



NSP Network Services Platform

**Network Functions Manager - Packet (NFM-P)
Release 17.3**

Statistics Management Guide

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About this document

Purpose

The *NSP NFM-P Statistics Management Guide* describes statistics management using the NFM-P and lists statistics counters for supported devices.

Safety information

For your safety, this document contains safety statements. Safety statements are given at points where risks of damage to personnel, equipment, and operation may exist. Failure to follow the directions in a safety statement may result in serious consequences.

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Part I: Statistics overview

Overview

Purpose

This volume contains an overview of NFM-P statistics management.

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1 Safety information

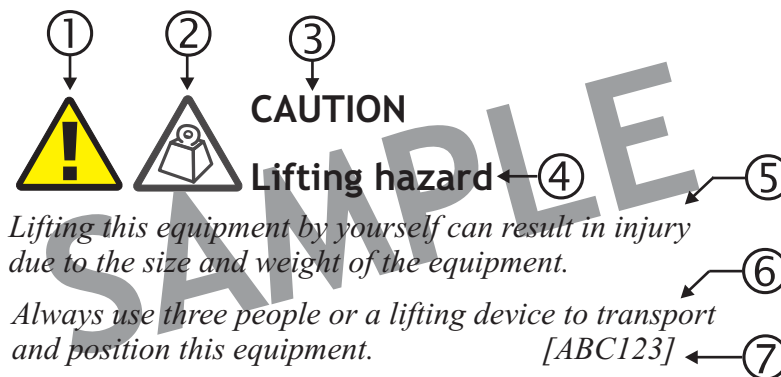
1.1 Structure of safety statements

1.1.1 Overview

This topic describes the components of safety statements that appear in this document.

1.1.2 General structure

Safety statements include the following structural elements:



Item	Structure element	Purpose
1	Safety alert symbol	Indicates the potential for personal injury (optional)
2	Safety symbol	Indicates hazard type (optional)
3	Signal word	Indicates the severity of the hazard
4	Hazard type	Describes the source of the risk of damage or injury
5	Safety message	Consequences if protective measures fail
6	Avoidance message	Protective measures to take to avoid the hazard
7	Identifier	The reference ID of the safety statement (optional)

1.1.3 Signal words

The signal words identify the hazard severity levels as follows:

Signal word	Meaning
DANGER	Indicates an extremely hazardous situation which, if not avoided, will result in death or serious injury.
WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE	Indicates a hazardous situation not related to personal injury.

2 Statistics management

Statistics management in the NFM-P

2.1 Overview

2.1.1 General information

The NFM-P provides a scalable platform for reliable statistics collection from managed NEs, and also provides statistics for monitoring NFM-P system processes and functions.

Depending on the statistics type, you can do the following with the collected data:

- Use an NFM-P GUI client to:
 - Schedule or perform on-demand collection.
 - View raw counter values in tabular format on the Statistics tab of an object properties form.
 - View multiple series of historical or real-time counter values in graphical format using the Statistics Plotter.
 - Save the tabular data or graphical representation to a file.
- Use an OSS client to retrieve the data for processing and analysis.
- Use the Analytics application to generate comprehensive, customized reports for traffic monitoring and trend analysis.

i **Note:** Before you configure statistics collection, you must consider the NFM-P resource constraints; see [“NFM-P statistics scalability” \(p. 26\)](#) for general information, and the *NSP NFM-P Planning Guide* for release-specific scalability guidelines.

The NFM-P can collect the following statistics types:

- performance statistics—collected by polling NE MIBs and transferred to the NFM-P using SNMP, or, for wireless PM counters, transferred from NEs to the NFM-P using FTP
- accounting statistics—collected in files on NEs and transferred to the NFM-P using FTP or SCP
- flow statistics—forwarded by NEs to a target file server for retrieval by an OSS, or to the NFM-P for use by the Analytics application
- server performance statistics—collected by NFM-P system processes and stored in the NFM-P database

See [“NFM-P statistics types” \(p. 22\)](#) for more information about each statistic type.

Policy-based collection

To collect statistics such as NE performance or accounting statistics, the NFM-P uses policies that specify the following:

- the network or service objects to collect statistics from
- the statistics counters to collect
- the collection rate

- how long the NFM-P is to retain the collected statistics data

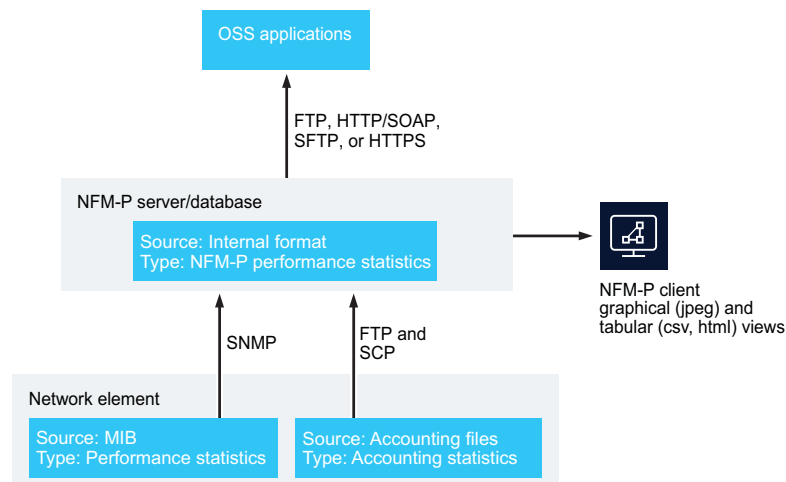
From the Statistics tab of an object properties form, you can use the following buttons to perform an on-demand collection of network or server performance statistics:

- Collect—returns one statistics record
- Collect All—returns one statistics record for each statistic type that the object supports

i **Note:** On-demand statistics collection may yield inconsistent results the first time it is run against an object. To obtain valid results, you must run the on-demand statistics collection more than once.

Statistics are stored for a configurable retention period that is defined in an NFM-P statistics policy. When the retention period elapses, the statistics are removed. However, statistics that are collected for real-time display are not stored; the statistics are available only for the duration of the current session, and only for the operator that initiates the session.

Figure 1 Basic statistics-collection architecture



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NFM-P statistics types

2.2 Overview

2.2.1 General information

Table 1 Characteristics of statistics types

Characteristic	Statistics type			
	Performance	Accounting • service • network • subscriber • AA	Server performance	Flow • AA Cflowd
Typical uses	NE monitoring NE troubleshooting	Billing SLA compliance Trend analysis	NFM-P system monitoring NFM-P system troubleshooting	Traffic monitoring Data analytics
Source	NE MIBs	All but AA: NE accounting files and NE MIBs AA: ISA-AA MIBs	Internal NFM-P system metrics	Traffic samples
On-demand collection	Yes	No	Yes	No
Scheduled collection	Yes Requires Statistics or Specific MIB policy	Yes Requires File and Accounting policies	Yes Requires Server Performance Statistics policy	Yes Requires NSP flow collector
Real-time graphing	Yes	Yes, if MIB-based	Yes	No
Historical graphing	Yes	Yes	Yes	No
Available via the XML API	Yes	Yes	Yes	No
Collection default	Off	Off	On	Off

2.2.2 Performance statistics

Performance statistics counters record NE data, for example, physical equipment status and routing throughput, for monitoring and troubleshooting. See the chapters in the “Performance statistics counters” volume for device-specific lists of the MIB-based performance statistics that the NFM-P supports.

Performance statistics, except for AA network performance statistics, are collected from NE MIBs using SNMP. The collection can be scheduled, or performed on demand.

You can graphically display performance statistics in real time, or export the data using the XML API. Historical performance statistics can be viewed in tabular or graphical form in the NFM-P client GUI.

Wireless PM counters

The device types that are part of the NFM-P LTE and Small Cell solutions support the collection of performance management statistics, which are called PM counters in the device documentation. The PM counters are collected in PM files, transferred to the NFM-P and stored in the following locations:

- The PM files from eNodeB and 9471 WMM NEs are stored in the NFM-P main server file system.
- The PM files from Small Cell gateway and access point NEs are stored in the NFM-P auxiliary server file system.

PM statistics are not available for display or plotting in the NFM-P GUI; however, the files can be made available to other systems such as the 9959 NPO. See the following guides for device-specific information about performance management statistics collection:

- *NSP NFM-P LTE RAN User Guide—eNodeB*
- *NSP NFM-P LTE EPC User Guide—9471 WMM*
- *NSP NFM-P Small Cells User Guide—Small Cell devices*

2.2.3 Accounting statistics

Accounting statistics counters typically record service or subscriber usage data for billing or to ensure SLA compliance. See the chapters in the “Accounting statistics counters” volume for device-specific lists of the accounting statistics that the NFM-P supports.

Accounting policies define the schedules that NEs use for the regular collection of accounting statistics. File policies specify how NEs store the accounting statistics data. An NE can perform scheduled accounting statistics collection only when a file policy and an accounting policy are deployed to the NE.

The NFM-P uses FTP or SCP to collect accounting statistics files from NEs. See the device documentation for information about accounting file creation and storage on a device.

You can view historical and real-time accounting statistics in tabular or graphical form in the NFM-P client GUI.

The supported accounting statistics types are:

- service accounting statistics—collected on each queue of each SAP that is associated with an accounting policy; provide queue throughput and drop information, and can be used for billing and SLA verification
- network accounting statistics—collected on each SDP queue or network port associated with an accounting policy; measure FC queue usage, which is of use for monitoring link utilization, identifying traffic patterns and trends, capacity planning, and traffic engineering

Note:

SDP statistics collection is supported only on devices that are in chassis mode B, C, or D.

- subscriber accounting statistics—collected on a subscriber profile for residential subscriber instances; used for billing and SLA verification
- application assurance, or AA, accounting statistics—collected from applications, application groups, and protocols on ISA-AA MDAs; AA network performance statistics are also available for monitoring the AA processing load on an ISA-AA MDA

See the on-product *IPDR Reference* for comprehensive information about AA accounting and AA network performance statistics.

You can customize the statistics record in a service, subscriber, or AA accounting policy by specifying the counters that are collected and the data thresholds for collection. See the *NSP NFM-P User Guide* for information about creating custom accounting records.

2.2.4 Flow statistics

Flow statistics measure the activity associated with traffic flows. A traffic flow is essentially a series of packets that have the same source address, destination address, and payload type, for example, a specific VoIP or social-networking application.

AA Cflowd statistics

ISA-AA groups support Cflowd sampling and TCP performance data collection for AA applications and application groups. NEs use the IPFIX protocol to send the statistics data in XDR-encoded binary records to one or more NSP flow collectors. An NSP Flow Collector can forward the statistics data to an OSS or third-party system for analysis or reporting purposes, and retain the data in an NFM-P auxiliary database for use by the Analytics application, which provides reports based on AA Cflowd and AA network performance statistics.

See the *NSP NFM-P System Architecture Guide* for information about NSP flow collector and auxiliary database communication, and the *NSP NFM-P Planning Guide* for deployment and scaling guidelines.

The on-product *IPDR Reference* has comprehensive information about AA Cflowd and AA network performance statistics types and the associated counters.

2.2.5 Server performance statistics

You can collect server performance statistics such as the following from main and auxiliary servers in an NFM-P system:

- server statistics, which include memory usage and alarm counters
- network activity statistics, which include SNMP trap counters, accounting and SNMP polled statistic record counters, statistics collection counters, application assurance statistics collection counters, and NE resynchronization counters

You can collect server performance statistics on demand, or schedule regular collection using a policy. Server performance statistics can also be collected and graphically displayed in real time, or exported using the XML API. Historical server performance statistics can be viewed in tabular or graphical form in the NFM-P client GUI.

NFM-P statistics scalability

2.3 Overview

2.3.1 General information


The overall volume of collected statistics is limited by the available storage resources. Therefore, the number of objects and collection frequency must be specified to meet operational requirements and remain within the storage constraints.

When a statistics collection policy or an accounting policy applies to a large number of objects, the collection interval must be sufficient to collect all of the data during the collection period. If the statistics collection time exceeds the collection interval, the NFM-P raises an alarm.

The maximum number of statistics the NFM-P can collect is specified in the *NSP NFM-P Planning Guide*. To prevent statistics loss and NFM-P performance degradation, it is recommended that you stay within the specified maximum guidelines and ensure that each collection interval is sufficient for the number of statistics to be collected during the interval.

You can use NFM-P auxiliary servers to reduce the statistics collection load on a main server. Auxiliary server deployment is supported only in a distributed NFM-P system. See the *NSP NFM-P Planning Guide* and *NSP NFM-P System Architecture Guide* for information about auxiliary servers.

Real-time statistics collection and graphical display are supported for many network and service objects. An NFM-P client can open up to five real-time plotter windows, and each window can display up to eight counters. If multiple open statistics plotters point to the same NE or the same object on an NE, the NE receives a large number of SNMP requests. It is recommended that you limit the number of open statistics plotters for the same NE. You can use a span of control to limit operator access to specific NEs and thereby reduce the number of simultaneous real-time collections from a specific NE.

 **Note:** The NFM-P limits the number of active MIB-based accounting statistics plots per NE to four among all NFM-P clients. For example, when two NFM-P clients each have two active MIB-based accounting statistics plots associated with the same NE, no other client can open a plot of the same type for the NE.

2.3.2 Accounting statistics

If you need to collect large numbers of accounting statistics, for example, more than one million, it is recommended that you enable the statistics collection in a staggered manner. This helps to prevent the first-time collection delays associated with building the initial cache. For example, if you need to collect 6 million statistics in a 15-min interval,

enable 500 000 statistics and wait until the interval completes before you add the next 500 000 statistics, and so on.

You can use custom accounting records to limit the processing requirements of service, subscriber, or AA accounting statistics collection. See [Chapter 5, “Accounting statistics”](#) for information about custom accounting records.

The NFM-P uses FTP or SCP to retrieve an NE statistics file when the NE notifies the NFM-P of the new file. The NFM-P retrieves and processes the files in the order that it receives the notifications. An NE retains files only for the period specified in the file policy; after this period, the NE deletes the files. The statistics data in the files is lost if the files are not retrieved from the NE during this time.



Note: After an extended loss of connectivity to an NE that has an active accounting policy, the NFM-P resumes accounting statistics file retrieval by starting with the most recent statistics file.

When an accounting statistics counter is not supported by an NE or is excluded from collection using a custom record, the counter value is not included in a statistics record or displayed in the NFM-P client GUI.

2.3.3 Performance statistics

When a performance statistics collection interval is too short, statistics data may be lost. Performance statistics that remain to be collected at the end of a collection interval are skipped, and the next collection begins.

NFM-P statistics and OSS applications

2.4 Overview

2.4.1 General information

The NFM-P can provide statistics to OSS applications using its XML API. See the *NSP NFM-P XML API Developer Guide* for information about using the XML API to retrieve statistics data from the NFM-P.

Part II: Statistics collection configuration

Overview

Purpose

This volume describes statistics collection in the NFM-P.

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3 Statistics collection

Statistics collection in the NFM-P

3.1 Overview

3.1.1 General information

The NFM-P can be configured to collect statistics counters from managed Nokia NEs and NFM-P servers. Statistics collection requires the configuration and deployment of various policies.

Statistics policies can be configured in the following ways:

- for an entire network, or top-down, using the forms available through the Tools→Statistics menu option
- for a specific object, or bottom-up, using the Statistics tab of an object configuration form

An NFM-P operator can create statistics collection policies only for NEs that are within the span of control of the current NFM-P user. However, an operator can view statistics from NEs that are not within the current span of control.

By default, the NFM-P stores performance and accounting statistics data in the NFM-P database. If required, you can disable the NFM-P database storage of accounting statistics, performance statistics, or both, to prevent unnecessary database growth. For example, if you use an OSS client to retrieve statistics from the NFM-P, and do not require the NFM-P statistics presentation functions such as historical plotting, you may want to disable database storage for one or both statistics types. See the *NSP NFM-P System Administrator Guide* for information about configuring NFM-P system preferences.

3.1.2 Using the NFM-P XML OSS interface to collect statistics

An OSS application can use the XML API to collect statistics. See the *NSP NFM-P XML API Developer Guide* for information about using the XML API to transfer statistics records to an OSS client.

3.1.3 Dynamic custom statistics aggregators

Some functions, for example NFM-P Analytics reporting, may require aggregated statistics data. You can define and create custom aggregatprs for performance, accounting, AA accounting, and AA Cflowd statistics data, and apply them dynamically.

To create one or more custom aggregators, you must define the aggregators in a file and apply the definitions. An aggregator definition file has the format shown in [Figure 2, “Custom aggregator definition format” \(p. 33\)](#).

Figure 2 Custom aggregator definition format

```
<aggregators> <aggregator aggregationName="AggregationName"
description="Aggregation description" displayName="Aggregation
name to display" aggregationKeys="key_1, key_2, ..." counters=
"counter1, counter2, ..." sumFields="counter2, counter4, ..."
maxFields="counter2, counter4, ..." minFields="counter2,
counter4, ..." varianceFields="counter6, counter7, ..."
avgFields="counter2, counter7, ..." absAvgFields="counter4,
counter4, ..." stddevFields="counter2, counter3, ..."
absoluteValue="true or false" applyFunctions="function1,
function2,..." <dataSource sourceName="Aggregation source table"
sourceType="table | class"/> </aggregator> </aggregators>
```

[Table 2, "Custom aggregator attributes" \(p. 32\)](#) lists and describes the attributes in a custom aggregator definition.



Note: The values in a list attribute are comma-separated.

Table 2 Custom aggregator attributes

Attribute	Description	Requirement
aggregationName	Unique aggregator name; must not contain a space character The hourly, daily, weekly, and monthly aggregation table names have the following format: <i>aggregationName_timescale</i> where <i>timescale</i> is hour, day, week, or month	Required
description	Aggregator description shown by the Aggregation Manager in the client GUI	Required
displayName	Aggregator displayed name shown by the Aggregation Manager in the client GUI	Required
aggregationKeys	Composite attribute that acts as a primary key for data aggregation; analogous to a 'group by' query function	Required

Table 2 Custom aggregator attributes (continued)

counters	List of aggregation columns; the aggregation functions specified in the applyFunctions attribute are each applied to the counter values	Optional
sumFields	List of sum aggregation fields; sum aggregation is performed against each specified field	Optional
maxFields	List of max aggregation fields; max aggregation is performed against each specified field	Optional
minFields	List of min aggregation fields; min aggregation is performed against each specified field	Optional
varianceFields	List of variance aggregation fields; variance aggregation is performed against each specified field	Optional
avgFields	List of average aggregation fields; average aggregation is performed against each specified field	Optional
absAvgFields	List of absolute aggregation fields; absolute average aggregation is performed against each specified field	Optional
stddevFields	List of standard deviation aggregation fields; standard deviation aggregation is performed against each specified field	Optional
absoluteValue	Whether aggregation is to use a periodic data table as the data source; the value is true or false Setting the attribute to true indicates that the specified source table contains only absolute values. The aggregation is run against the associated <i>sourceName_PERIODIC</i> tables instead of against the raw data source specified in the XML file.	Optional; default is false if not specified
applyFunctions	List of aggregation functions to apply against the specified counters The supported values are sum, max, min, avg, absavg, stddev, and variance	Optional; default is sum if not specified

Table 2 Custom aggregator attributes (continued)

sourceName	Name of aggregation data source; statistics class name or auxiliary database table name	Required
sourceType	Defines the type of data source; the value is table or class	Required

Figure 3, “Table-sourced aggregator definition” (p. 35) shows the contents of a single-aggregator definition file in which an auxiliary database table is the data source.

Figure 3 Table-sourced aggregator definition

```
<aggregators> <aggregator aggregationName="analytics_cflowd_aa_wifi_tcp_ag" description="Measures WiFi TCP performance per app group" displayName="WiFi TCP Performance per Application Group Aggregator" aggregationKeys="siteId, ipVers, subType, obsSubId, observationSide, groupId, partId, appGrpName" counters="flowCount, avgFlowDuration" maxFields="maxCtd, maxStd" minFields="minCtd,maxStd, maxFlowBytesC2s"> <dataSource sourceName="analytics_cflowd_aa_wifi_tcp_ag" sourceType="table"/>
</aggregator> </aggregators>
```

Figure 4, “Class-sourced aggregator definitions” (p. 35) shows the contents of a file that contains two aggregator definitions; each definition specifies a statistics class as the data source.

Figure 4 Class-sourced aggregator definitions

```
<aggregators> <aggregator aggregationName="acct_statistics_egress_ag" description="Complete Service Ingress Packets" displayName="CompServIngPcktAgg" aggregationKeys="monitoredobjectpointer, queueid, svcid, sapid" counters="alloctetsforwarded, inprofilepktsoffered, inprofilepktsforwarded, inprofilepktsdropped, allpktsdropped" absoluteValue="true" applyFunctions="max,min,avg" > <dataSource sourceName="service.CompleteServiceEgressPacketOctets" sourceType="class"/>
</aggregator> <aggregator aggregationName="acct_stats_ingress_ag" description="Complete Service Egress Packets" displayName="CompServEgPcktAgg" aggregationKeys="monitoredobjectpointer, queueid, svcid, sapid" counters="alloctetsforwarded, inprofilepktsoffered, inprofilepktsforwarded, inprofilepktsdropped, allpktsdropped" absoluteValue="true" applyFunctions="max,min,avg" > <dataSource sourceName="service.CompleteServiceIngressPacketOctets" sourceType="class"/>
</aggregator> </aggregators>
```

Creating and managing aggregator definitions

After you create an aggregator definition file, you must use a main server configuration utility to apply the definitions in the file. Subsequently, you can modify and re-apply the file to update the existing definitions, or remove definitions. See [3.2 “To create and manage custom statistics aggregators” \(p. 35\)](#) for information.

When you apply a definition and an aggregator with the same name does not exist, a new aggregator is created. If an aggregator with the same name exists, any changes to the aggregator are applied to the existing aggregator.

After you apply a definition, you can view and manage the aggregator using the Aggregation Manager in the NFM-P client GUI.

3.2 To create and manage custom statistics aggregators

3.2.1 Steps

1 _____

Create an aggregator definition file using the format described in [3.1.3 “Dynamic custom statistics aggregators” \(p. 32\)](#).

2 _____

Log in to the standalone or primary main server as the nsp user.

3 _____

Open a console window.

4 _____

Navigate to the /opt/nsp/nfmp/server/nms/bin directory.

5 _____

To apply new or modified definitions, enter the following:

```
bash$ ./nmserver.bash dynamic_aggregation create definition_
file↵
```

where *definition_file* is the absolute path and name of the aggregator definition file

The aggregator definition is applied.

6 _____

To remove a definition, enter the following:

```
bash$ ./nmserver.bash dynamic_aggregation remove
aggregationName ↵
```


where *aggregationName* is the aggregationName value in the aggregator definition



Note: Only dynamically created aggregators can be removed.

The aggregator definition is removed.

7

Close the console window.

8

To view and manage the aggregators using the client GUI, choose Tools→Aggregation Manager from the NFM-P main menu to open the Aggregation Manager form.

END OF STEPS

Statistics policies

3.3 Overview

3.3.1 General information

You can configure the following policy types for statistics collection:

- accounting policy—specifies the accounting record type and collection interval
- file policy—specifies the storage criteria for accounting statistics files on NEs
- statistics policy—specifies the storage criteria for statistics in the NFM-P
- MIB statistics policy—specifies the collection of MIB-based statistics counters from managed NEs, and is one of the following:
 - NE MIB statistics policy—applies to all NE objects of the specified type
 - specific MIB statistics policy—applies to a specific NE object
- server performance statistics policy—specifies the collection criteria for statistics related to NFM-P server performance

Table 3 Statistics policies per statistic type

Statistics type	Policy				
	Accounting	File	Statistics	MIB statistics	Server performance statistics
Accounting • service • network • subscriber • AA	✓	✓	✓	—	—
Performance	—	—	✓	✓	—
Server performance	—	—	✓	—	✓

3.3.2 Accounting policies

NEs collect accounting statistics using an accounting policy and an associated file policy that are assigned to a SAP, SDP, network port, or subscriber profile.

An accounting policy specifies an accounting statistics record type, a collection interval, an administrative state, and a file policy.

The NFM-P supports the following accounting policy types:

- service accounting policies—apply to SAPs, and specify the accounting records to collect for services
- network accounting policies—apply to network ports and SDPs, and specify the accounting records to collect for network resources
- subscriber accounting policies—apply to subscriber profiles and specify the accounting records to collect for residential subscribers
- AA accounting policies—apply to applications, application groups, and protocols, and specify the accounting records to collect for flows

An NE collects accounting statistics based on a specified collection interval and writes the statistics data in XML format to a file on the NE. After the rollover period specified in a file policy, the NE closes and compresses the file. The NE notifies the NFM-P that a new file is ready for processing, the NFM-P uses FTP or SCP to obtain the file from the NE, and adds the file contents to the NFM-P database. A third-party application can gather the statistics data and process it according to your specifications.



Note: To conserve NE and NFM-P resources, Nokia recommends that you disable an accounting policy on an object when statistics for the object are not required.

When an accounting policy is administratively disabled, accounting statistics data is not written to a file on the NE. When the accounting policy is re-enabled, the new accounting data represents traffic activity since the re-enabling of the policy. Because the statistics data accumulates in rolling counters, no information is lost.

You can customize the record in a service, subscriber, or AA accounting policy by specifying the counters that are collected and the data thresholds for collection. See [Chapter 5, “Accounting statistics”](#) for more information.

Changes to an accounting policy that is disabled apply immediately to all objects to which the policy is applied. Changes to an accounting policy that is enabled take effect at the beginning of the next collection period.

Consider the following before you configure an accounting policy.

- An accounting policy requires a file policy. If you deploy an accounting policy in the absence of a file policy, a default file policy is automatically created.
- For service and network accounting policies, there can be one default policy. Default accounting policies are not in effect until they are distributed to the NEs by the NFM-P operator.
- There is a one-to-many relationship between accounting policies and accounting objects. For example, one service accounting policy can apply to many SAPs, but a SAP can have only one service accounting policy.

i **Note:** When you configure an accounting policy, Nokia recommends that you specify the same value for the Collection Interval parameter in the accounting policy and the Rollover parameter in the file policy. Failure to align these values may result in resource contention when a file rollover occurs.

3.3.3 File policies

A file policy specifies the relative size, storage location, and backup location of the files on the NE that contain accounting statistics data. An NE collects accounting statistics based on the collection interval specified for a SAP, network port, or subscriber in an accounting policy, and writes the statistics data in XML format to a file on the NE. After the rollover period specified in a file policy, the NE closes and compresses the file. The NE then notifies the NFM-P that a new file is ready for processing.

One file policy can be defined as a default policy and is automatically associated with an accounting policy if no file policy is specified.

i **Note:** When configuring both an Accounting Policy and a File Policy, Nokia recommends that the intervals for both policies are aligned. Failure to align these intervals may result in a resource contention at the file Rollover time.

3.3.4 Statistics policies

A statistics policy specifies a retention period and alarm thresholds for a statistics record. The retention period defines how long the NFM-P database retains the statistics record after collection, which affects the database storage requirements.

When statistics collection is enabled, the oldest statistics records are periodically removed from the database. When the collection interval is short and the retention period is long, more disk space is required to store the statistics data.

i **Note:** You can configure the length of time that the NFM-P database globally retains accounting statistics data. See the *NSP NFM-P System Administrator Guide* for information about configuring the accounting statistics data retention period.

3.3.5 MIB statistics policies

The collection of performance statistics from NEs is controlled by MIB statistics policies that specify an administrative state, polling synchronization start time, and collection interval. There are two types of MIB statistics policies:

- NE MIB statistics policies
- specific MIB statistics policies

Each type of MIB statistics policy contains a list of MIB entry policies. A MIB entry policy defines the collection criteria for a specific MIB row. In an NE MIB policy, a MIB entry policy applies to all objects on the NE that use the MIB entry. In a specific MIB policy, the

MIB entry policy applies only to the specified objects on the NE. For example, the `sapEgrQosPlcyQueueStatsEntry` MIB entry applies to L2 and L3 SAPs. In an NE MIB statistics policy, selecting this MIB entry enables collection of the entry on all L2 and L3 SAPs on the NE. In a specific MIB statistics policy, selecting this MIB entry enables collection only on the selected L2 or L3 SAPs.

If the statistics collection time required for a MIB entry exceeds the collection interval specified in the MIB statistics policy, the NFM-P raises an alarm. An NFM-P operator can change the polling interval for a statistics class to prevent this. See [Chapter 4, “Performance statistics collection”](#) for information about modifying polling criteria.

The collection of MIB statistics counters is disabled by default. See [Chapter 4, “Performance statistics collection”](#) for information about enabling performance statistics collection.

NE MIB statistics policies

An NE MIB statistics policy defines the global collection of specific statistics on specific NEs, for example, the port statistics from all ports in a group of NEs. In such a collection scenario, configuring NE MIB policies rather than specific MIB policies is more efficient and uses fewer collection resources. Nokia recommends using NE MIB policies for general performance statistics collection on groups of NEs, and specific policies to enable or disable collection for specific NE objects.

After an NE MIB statistics policy is applied to an NE, statistics are collected for all objects on the NE, except for objects that have a specific MIB statistics policy. This prevents statistics from being collected twice—once by the NE MIB policy and once by the specific MIB policy.

Each NE requires an NE MIB statistics policy. The NFM-P has a default policy that it applies to an NE automatically when no NE MIB statistics policy is specified. The collection interval for each counter in the default policy is 15 min, and collection is disabled by default to conserve NE resources.

Specific MIB statistics policies

A specific MIB statistics policy defines the collection of selected performance statistics from specific objects on specific NEs to achieve a high statistics-collection granularity. For example, to collect port statistics at one rate for access ports and another rate for network ports, you can configure two policies that specify different collection intervals, and explicitly specify the access or network ports to which each policy applies. When a new access or network port is enabled, an NFM-P operator can add the port to the specific MIB statistics policy to enable statistics collection on the port.

The settings in a specific MIB statistics policy override the settings in an NE MIB statistics policy, and can be used to disable statistics collection for specific objects. For

example, you enable statistics collection globally for an NE using an NE MIB statistics policy, and then disable the collection of specific statistics using a specific MIB statistics policy.

3.3.6 Server performance statistics policies

Server performance statistics provide information about NFM-P server performance. You can specify the type of server statistics that are collected and the collection interval for each type.

Each type of server performance statistic has the following:

- a collection policy that specifies a synchronization time and a collection interval
- a statistics policy that specifies the NFM-P database retention period

4 Performance statistics collection

Collecting performance statistics

4.1 Overview

4.1.1 General information

Performance statistics provide information about physical equipment, routing, and other NE properties for monitoring and troubleshooting purposes. See the Performance statistics volume in this guide for lists of the MIB-based performance statistics that the NFM-P supports.

Performance statistics collection is enabled using a MIB statistics collection policy and associating the policy with one or more NEs or specific objects within the NEs, for example, ports. For greater efficiency and collection granularity, the following types of MIB statistics policies are available:

- NE MIB statistics policies—define collection at the NE level
An NE MIB statistics policy contains a list of the MIB entry policies that are invoked for all objects on the NE.
- specific MIB statistics policies—define collection at the object level
A specific MIB statistics policy contains the same list of MIB entry policies as an NE MIB statistics policy, but the MIB entry policies are applied only to the objects specified in the specific MIB statistics policy. A specific MIB statistics policy uses the concept of a monitored class, which is the type of object on which to collect statistics, for example, a port or service site. The monitored object instances must be specified in the specific MIB statistics policy. For example, if port is selected as the monitored object, then the actual ports in the network to which the policy applies must be specified, and become part of the policy.

Before the NFM-P performs a statistics collection based on a MIB statistics policy, it checks for duplicate collection requests, such as when the same object is included in an NE MIB policy and a specific MIB policy. If a duplicate is found, the NFM-P performs the collection on the object based on the specific policy rather than on the NE policy.

For performance reasons, Nokia recommends using NE MIB policies to collect statistics from all instances of an object on an NE, and specific policies to enable or disable collection for specific NE objects. This is a much more efficient use of NE resources than using a specific policy in which each object instance is specified. For example, you can configure an NE MIB policy to collect OSPF routing statistics on all the routing instances of the NE, and use a specific MIB policy to collect statistics on a subset of the routing instances.

Specific and NE MIB policies can operate together to streamline statistics collection. For example, to collect network port statistics at 5-min intervals and access port statistics at 15-min intervals, you can create an NE MIB policy for all ports with a 15-min collection interval and create a specific policy for network ports with a 5-min collection interval. At

every third interval, when the two policy activations coincide, the NE policy is used and duplicate collection is prevented.

NE MIB policies can be specified in NE discovery rules to ensure that statistics collection starts immediately after the NE is discovered. Specific MIB policies must be updated manually for specific objects on the new NE after it is discovered or new objects are created.

Specific MIB policy settings override NE MIB policy settings.

Table 4 MIB statistics policy overrides

For a given object		
NE MIB policy	Specific MIB policy	Action
Collect	Collect	Statistic is collected once
Do not collect	Do not collect	Statistic is not collected
Collect	Do not collect	Statistic is not collected
Do not collect	Collect	Statistic is collected

For top-down performance statistics configuration, choose Tools→Statistics→MIB Policies from the NFM-P main menu to systematically configure statistics for the network. For bottom-up performance statistics configuration, configure the MIB entry policy from the Statistics tab of the properties form for a specific object.

4.1.2 GNE performance statistics support

The NFM-P supports the collection of a limited set of statistics counters from standard system, interface, and routing MIBs on GNEs. These statistics are processed and presented in the same manner as statistics from other devices. You can view GNE statistics on the Statistics tab of a GNE interface properties form, retrieve them using the XML API, and display them graphically using the NFM-P Statistics Plotter.

i **Note:** If persistent SNMP indexes are not enabled on a GNE, one or more GNE interface indexes may change after a GNE reboots. This can cause a mismatch between the statistics records collected before the reboot and the current interface indexes. The NFM-P takes no action to identify or correct such a mismatch.

Workflow for performance statistics collection

4.2 Workflow

4.2.1 Process

- 1 _____
Configure the MIB statistics policy for NEs. See [4.3 “To create or modify an NE MIB statistics policy using a top-down method” \(p. 47\)](#) for the top-down method. See [4.4 “To modify an NE MIB statistics policy using a bottom-up method” \(p. 48\)](#) for the bottom-up method.
- 2 _____
Configure the MIB statistics policy for specific objects. See [4.5 “To create or modify a specific MIB statistics policy using a top-down method” \(p. 50\)](#) for the top-down method. See [4.6 “To create or modify a specific MIB statistics policy using a bottom-up method” \(p. 51\)](#) for the bottom-up method.
- 3 _____
Specify the MIB statistics policy polling interval. See [4.8 “To configure polling for a MIB statistics class” \(p. 54\)](#) for more information.
- 4 _____
Configure the statistics policy for an object. See [4.9 “To configure a statistics policy for MIB statistics” \(p. 56\)](#) for more information.
- 5 _____
If required, use an NFM-P client to view on-demand, scheduled, and real-time performance statistics. See [Chapter 8, “Statistics presentation”](#) for information about viewing statistics.
- 6 _____
Use the XML API to retrieve the performance statistics records from the NFM-P for processing by a third-party application. See the *NSP NFM-P XML API Developer Guide* for information about using the XML API to transfer statistics records from the NFM-P database to an OSS client application.

Performance statistics collection procedures

4.3 To create or modify an NE MIB statistics policy using a top-down method

4.3.1 Purpose

Perform this procedure to configure a policy for performance statistics collection on one or more NE MIBs using the NE properties form.

4.3.2 Steps

1 _____

Choose Tools→Statistics→MIB Policies from the NFM-P main menu. The Manage MIB Statistics Policies form opens.

2 _____

Choose NE MIB Statistics Policy (SNMP) from the object drop-down menu.

3 _____

Perform one of the following.

a. Modify a MIB statistics policy.

1. Specify a filter to create a filtered list of MIB statistics policies. A list of MIB statistics policies is displayed.
2. Choose a MIB statistics policy from the list and click on the Properties button. The NE MIB Statistics Policy (Edit) form opens.



Note: When you change a MIB statistics policy for an NE, the change affects all of the NEs to which the policy is assigned.

When you change a MIB statistics policy for a statistics class of an object, the change applies to all objects that use the same statistics class.


b. Click on the Create button to create a MIB statistics policy. The NE MIB Statistics Policy (Create) form opens.

4 _____

Configure the parameters:

- Displayed Name
- Polling Synchronization Time
- Polling Admin State

-
- 5 _____
Click on the Apply button. The form refreshes to display additional tabs.
 - 6 _____
Click on the Network Elements tab.
 - 7 _____
Click on the Assign Sites button. A filter form opens.
 - 8 _____
Configure the filter criteria and click on the OK button. The Assign *policy_name* form opens with a list of NEs displayed.
 - 9 _____
Select one or more NEs from the Unassigned Sites list, and click on the right arrow button. The selected NEs move to the Assigned Sites list.

 **Note:** You can also assign an NE MIB policy to NEs using a discovery rule. Doing this does not affect the previously discovered NEs. See the *NSP NFM-P User Guide* for information about device discovery.
 - 10 _____
Click on the OK button. The Assign *policy_name* form closes and the NE MIB Statistics Policy form reappears.
 - 11 _____
Close the NE MIB Statistics Policy form. The Manage MIB Statistics Policies form reappears.
 - 12 _____
Close the Manage MIB Statistics Policies form.

END OF STEPS _____

4.4 To modify an NE MIB statistics policy using a bottom-up method

4.4.1 Purpose

Perform this procedure to configure a policy for performance statistics collection on one or more NEs using the NE properties form.

4.4.2 Steps

- 1 _____
Choose Administration→Discovery Manager from the NFM-P main menu. The Discovery Manager form opens.
- 2 _____
Click on the Managed State tab.
- 3 _____
Choose an NE from the list and click on the Properties button. The Node Discovery Control (Edit) form opens with the General tab displayed.
- 4 _____
Click on the MIB Statistics Policy tab.
- 5 _____
Click on the Select button. The Configure MIB Statistics Policy form opens.
- 6 _____
Select a policy in the list and click on the OK button. The Configure MIB Statistics Policy form closes and the Node Discovery Control form reappears.
- 7 _____
Click on the OK button. The Node Discovery Control form closes and the Discovery Manager form reappears.
- 8 _____
Click on the OK button. A dialog box appears.
- 9 _____
Click on the Yes button. The Discovery Manager form closes.

END OF STEPS _____

4.5 To create or modify a specific MIB statistics policy using a top-down method

4.5.1 Purpose

Perform this procedure to configure a policy for performance statistics collection on a specific NE MIB object using NFM-P main menu options.

4.5.2 Steps

1 _____
Choose Tools→Statistics→MIB Policies from the NFM-P main menu. The Manage MIB Statistics Policies form opens.

2 _____
Choose Specific MIB Statistics Policy (SNMP) from the object drop-down menu.

3 _____
Perform one of the following.

a. Modify a MIB statistics policy.

1. Specify a filter to create a filtered list of MIB statistics policies. A list of MIB statistics policies is displayed.
2. Choose a MIB statistics policy from the list and click on the Properties button. The Specific MIB Statistics Policy form (Edit) opens.



Note: When you change a MIB statistics policy for an object statistics class, the change applies to each object that uses the statistics class.

b. Click on the Create button to create a MIB statistics policy. The Specific MIB Statistics Policy (Create) form opens.

4 _____
Configure the parameters:

- Auto-Assign ID
- Policy ID
- Displayed Name
- Polling Synchronization Time
- Polling Admin State

5 _____
Click on the Select button. The Specific Stats Polling Policy form opens.

- 6

Choose an object type from the list and click on the OK button. The Specific Stats Polling Policy form closes and the Specific MIB Statistics Policy form reappears with the object type displayed in the Monitored Class Name field.
- 7

Click on the Apply button. The Specific MIB Statistics Policy form refreshes to display additional tabs.
- 8

Click on the Monitored Objects tab.
- 9

Click on the Add button. The Select *monitored_object* for Specific MIB Statistics Policy form opens.
- 10

Configure the filter criteria and click on the Search button. A list of monitored objects is displayed.
- 11

Select one or more objects in the list and click on the OK button. The Select *monitored_object* for Specific MIB Statistics Policy form closes and the Specific MIB Statistics Policy form reappears with the selected objects listed.
- 12

Click on the OK button. The Specific MIB Statistics Policy form closes and the Manage MIB Statistics Policies form reappears.
- 13

Close the Manage MIB Statistics Policies form.


END OF STEPS

4.6 To create or modify a specific MIB statistics policy using a bottom-up method

4.6.1 Purpose

Perform this procedure to configure a policy for performance statistics collection on a specific NE MIB object using the object properties form.

4.6.2 Steps

- 1 _____
Choose an object on which to configure the MIB statistics policy.
- 2 _____
Right-click on the object and choose Properties from the contextual menu. The properties form for the object opens with the General tab displayed.
- 3 _____
Click on the Statistics tab.
- 4 _____
Click on the Statistics Policies button and choose Manage Specific MIB Policy from the drop-down menu. The Manage Specific MIB Policy form opens.
- 5 _____
Choose Specific MIB Statistics Policy (SNMP) from the object drop-down menu.
- 6 _____
Perform one of the following.
 - a. Modify a MIB statistics policy.
 1. Specify a filter to create a filtered list of MIB statistics policies. A list of MIB statistics policies is displayed.
 2. Choose a MIB statistics policy from the list and click on the Properties button. The Specific MIB Statistics Policy form (Edit) opens.
 -  **Note:** When you change a MIB statistics policy for an object statistics class, the change applies to each object that uses the statistics class.
 - b. Click on the Create button to create a MIB statistics policy. The Specific MIB Statistics Policy (Create) form opens.
- 7 _____
Configure the parameters:
 - Auto-Assign ID
 - Policy ID
 - Displayed Name
 - Polling Synchronization Time
 - Polling Admin State

8 _____

Click on the Select button. The Specific Stats Polling Policy form opens.

9 _____

Choose an object type from the list and click on the OK button. The Specific Stats Polling Policy form closes and the Specific MIB Statistics Policy form reappears with the object type displayed in the Monitored Class Name field.

10 _____

Click on the Apply button. The Specific MIB Statistics Policy form refreshes to display additional tabs.

11 _____

Click on the Monitored Objects tab.

12 _____

Click on the Add button. The Select *monitored_object* for Specific MIB Statistics Policy form opens.

13 _____

Configure the filter criteria and click on the Search button. A list of monitored objects is displayed.

14 _____

Select one or more objects in the list and click on the OK button. The Select *monitored_object* for Specific MIB Statistics Policy form closes and the Specific MIB Statistics Policy form reappears with the selected objects displayed.

15 _____

Click on the OK button. A dialog box appears.

16 _____

Click on the Yes button. The Specific MIB Statistics Policy form closes and the Manage Specific MIB Policy form reappears.

17 _____

Close the Manage Specific MIB Policy form.

18 _____

Close the object properties form.

END OF STEPS _____

4.7 To assign the default 1830 VWM OSU performance management policy to 1830 VWM devices

4.7.1 Steps

- 1 _____
Choose Tools→Statistics→VWM OSU Performance Management Policies from the NFM-P main menu. The VWM OSU Performance Management Policies form opens.
- 2 _____
Click Search, choose the Default SFTP policy, and click Properties. The 1830 VWM Performance Management Policy - 1 (Edit) form opens.
- 3 _____
Configure the required parameters.
- 4 _____
Click on the 1830 VWM Elements tab and click Assign 1830 VWM OSUs. The Assign "Default SFTP" Filter form open.
- 5 _____
Configure the filter criteria and use the right and left arrows to move the 1830 VWM devices between the Unassigned VWM list and the Assigned VWM list, as required in the Assign "Default SFTP" form.
- 6 _____
Click Apply to deploy the 1830 VWM performance management policy to the assigned 1830 VWM devices.
- 7 _____
Save your changes and close the forms.

END OF STEPS _____

4.8 To configure polling for a MIB statistics class

4.8.1 Purpose

Perform this procedure to configure a policy for performance statistics collection for an NE MIB statistics class on an object.

4.8.2 Steps

1 _____

Choose an object on which to configure the MIB statistics polling interval.

2 _____

Right-click on the object and choose Properties from the contextual menu. The properties form for the object opens with the General tab displayed.

3 _____

Click on the Statistics tab.

4 _____

Choose a statistics class from the object drop-down menu.

5 _____

Click on the Statistics Policies button and choose MIB Entry Policy from the drop-down menu. The MIB Entry Policy form opens with the General tab displayed.



Note: The MIB Entry Policy menu item is dimmed if you choose an invalid performance statistics class.

6 _____

Configure the parameters:

- Polling Interval
- Administrative State
- Number of Varbind per PDU

7 _____

Click on the OK button. A dialog box appears.

8 _____

Click on the Yes button. The MIB Entry Policy form closes and the object properties form reappears.

9 _____

Close the object properties form.

END OF STEPS _____

4.9 To configure a statistics policy for MIB statistics

4.9.1 Purpose

Perform this procedure to configure a policy for performance statistics collection on a MIB statistics class.

4.9.2 Steps

- 1 _____
Choose the object on which to configure the statistics policy.
- 2 _____
Right-click on the object and choose Properties from the contextual menu. The properties form for the object opens with the General tab displayed.
- 3 _____
Click on the Statistics tab.
- 4 _____
Choose a statistics class from the object drop-down menu.
- 5 _____
Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens with the General tab displayed.
- 6 _____
Configure the parameters:
 - Retention Time (hours)
 - Administrative State
 - Threshold Reporting State
- 7 _____
Click on the Thresholds tab. The Thresholds tab contains a threshold parameter for each counter in the statistics class.
- 8 _____
Configure the threshold parameters. When a statistics counter threshold is exceeded, the NFM-P raises a threshold-crossing alarm. See the statistics tables in the Performance statistics volume for a description of each statistics counter.

9 _____

Click on the OK button. A dialog box appears.

10 _____

Click on the Yes button. The Statistics Policy form closes and the object properties form reappears.

11 _____

Close the object properties form.

END OF STEPS _____

5 Accounting statistics

Accounting statistics collection

5.1 Overview

5.1.1 Description

Accounting statistics provide packet and octet throughput information for queues that are associated with the following objects:

- SAPs or SDPs, which provide service accounting statistics
- network ports, which provide network accounting statistics
- subscriber profiles, which provide subscriber accounting statistics
- subscribers, SAPs, and spoke SDP bindings, which provide application assurance, or AA, accounting statistics

See the *NSP NFM-P User Guide* for information about AA accounting statistics. See the Accounting statistics volume in this guide for lists of the MIB-based accounting statistics that the NFM-P supports.

To collect accounting statistics, you need to create and apply the following:

- an accounting policy
- a file policy
- a statistics policy

See [Chapter 3, "Statistics collection"](#) for a description of each policy type.

i **Note:** Not all managed NEs collect accounting statistics. See the Accounting statistics volume of this guide for information about NEs that collect accounting statistics.

5.1.2 Queue filters

You can use the NFM-P to configure queue filters for accounting statistics so that NEs use queues that do not have to be monitored. The NEs generate accounting data files that include all of the configured queues. When you configure a queue filter, the queue of each statistics record is checked; the queues that do not match the filter are discarded and are not processed.

You can specify a queue filter in the NFM-P main server configuration file. For example, you can enable the processing of queues 1 and 2 for combinedServiceEgressOctets and completeSubscriberIngressPacketOctets, and queues 1, 2, and 3 for completeSubscriberEgressPacketOctets:

```
<accountingStatsFilter
combinedServiceEgressOctets="1,2"
completeSubscriberEgressPacketOctets="1,2,3"
completeSubscriberIngressPacketOctets="1,2" />
```




CAUTION

Service Disruption

Contact Nokia technical support before you attempt to modify a server configuration file. Modifying the server configuration can have serious consequences that can include service disruption.

5.1.2 Custom accounting records

You can customize the record in an accounting policy to contain only the accounting data that you require. This reduces the statistics-collection processing load and the volume of data that collection generates. Custom accounting records allow you to specify the following in an accounting policy:

- the counters to include in each record, for example, packet but not octet counters
- the queues to monitor for collection
- significant-change criteria that define when an NE saves the data to a file:
 - significant change threshold
 - reference counters
 - reference queues
- HSMDA scheduler override counters and queues

The following accounting policy types support custom records:

- Custom Record Service
- Custom Record Subscriber
- Custom Record AA Subscriber



Note: In a Custom Record AA Subscriber accounting policy, you can specify optional attributes to include in each record; for example, the application profile or ASO associated with an AA subscriber.

5.1.3 Dynamic periodic accounting statistics calculations

You can define periodic value calculations for accounting statistics data and dynamically apply them. The periodic values are available for functions such as reporting by the Analytics application.

The dynamic calculation definitions for one or more statistics classes must be specified in an XML file that has the format shown in [Figure 5, “Dynamic periodic calculation definition format”](#) (p. 62).

Figure 5 Dynamic periodic calculation definition format

```
<classes> <className name="accounting statistics class name"
periodicFields="counters for which to calculate periodic values"
dataFields="list of additional fields to include in periodic
tables" /> </classes>
```

i **Note:** The dataFields entry is optional, and specifies data fields to include other than counters that are required for reports or data aggregations; for example, a SAP or port ID.

Figure 6, “Dynamic periodic definition example” (p. 61) shows a periodic calculation definition example that defines periodic values to calculate for four statistics classes.

Figure 6 Dynamic periodic definition example

```
<classes> <className name="service.
CompleteServiceEgressPacketOctets" periodicFields="inProfilePkt-
sOffered,inProfilePktsForwarded,inProfilePktsDropped"
dataFields="svcId,sapId,portId"/> <className name="service.
CompleteServiceIngressPacketOctets" periodicFields="inProfilePkt-
sOffered,inProfilePktsForwarded,inProfilePktsDropped "
dataFields="svcId,sapId,portId"/> <className name="service.
ServiceEgressOctets" periodicFields="allOctetsForwarded,
allOctetsDropped,allOctetsOffered" dataFields="svcId,sapId"/>
<className name="service.ServiceIngressOctets" periodicFields=
"allOctetsForwarded,allOctetsDropped" dataFields="svcId,sapId"/>
</classes>
```

The following sample periodic calculation file is available on an NFM-P main server:

```
/opt/nsp/nfmp/server/nms/config/accountingPeriodicSample.xml
```

Creating and managing definitions

After you create a definition file, you must use a main server configuration utility to apply the definitions in the file. Subsequently, you can modify and re-apply the file to update the existing definitions, or remove definitions. See 5.2 “To create and manage periodic accounting statistics calculations” (p. 63) for information.

i **Note:** If you re-apply a definition for a statistics class that has a statically defined periodic calculation, any additional columns in the definition are added, but no statically defined columns are removed.

You can view and manage static and dynamically defined periodic calculations using the Periodic Counters Manager in the client GUI.

5.2 To create and manage periodic accounting statistics calculations

5.2.1 Steps

- 1 _____
Create a periodic counter definition file using the format described in [5.1.3 “Dynamic periodic accounting statistics calculations”](#) (p. 61).
- 2 _____
Log in to the standalone or primary main server as the nsp user.
- 3 _____
Open a console window.
- 4 _____
Navigate to the `/opt/nsp/nfmp/server/nms/bin` directory.
- 5 _____
To apply new or modified definitions, enter the following:

```
bash$ ./nmserver.bash accountingPeriodic create definition_
file↵
```

where *definition_file* is the absolute path and name of the periodic counter definition file
The periodic counter definition is applied.
- 6 _____
To remove a definition, enter the following:

```
bash$ ./nmserver.bash accountingPeriodic remove class_name ↵
```

where *class_name* is the class of a periodic counter definition
The periodic counter definition is removed.
- 7 _____
Close the console window.
- 8 _____
To view and manage the periodic counter definitions using the client GUI, choose Tools→Analytics→Periodic Counters Manager from the NFM-P main menu.

END OF STEPS _____

Workflow for accounting statistics collection

5.3 Workflow

5.3.1 Process

1 _____

Ensure that FTP is enabled on the NEs from which you want to collect accounting statistics. See the *NSP NFM-P User Guide* for information about device commissioning and enabling FTP.

2 _____

Configure polling policies to enable NFM-P FTP or SCP access to the NEs, as required. See the *NSP NFM-P User Guide* for information about configuring polling policies.

3 _____

Enable statistics collection on the object. See the *NSP NFM-P User Guide* for information about enabling statistics collection on an object.

4 _____

Configure a file policy with rollover and retention values that are appropriate for the traffic volume, number of objects, and available file storage space. See [5.4 “To configure a file policy” \(p. 67\)](#) .

5 _____

Configure an accounting policy. See [5.5 “To configure an accounting policy” \(p. 68\)](#) .

6 _____



Note:

Nokia recommends this method of applying an accounting policy rather than distributing the policy to NEs. The NFM-P distributes the policy to an NE when the policy is applied to an object.

Apply the accounting policy. You can apply one accounting policy to a SAP, SDP, network object such as a port, or a subscriber profile.

- a. For service accounting statistics, apply the service accounting policy to a SAP or SDP.
 1. Administratively disable accounting on the SAP.
 2. Choose the newly created accounting policy.
- b. For network accounting statistics, apply the accounting policy to a network object

such as a port. You can specify a network accounting policy when you configure a port in network mode.

1. Administratively disable accounting for the network object.
2. Choose the newly created accounting policy.
For network accounting statistics on LSPs, see [5.13 “To configure ingress and egress accounting policies for an LSP”](#) (p. 81) .
- c. For subscriber accounting statistics, apply the accounting policy to a subscriber profile.
 1. Administratively disable accounting on the subscriber.
 2. Choose the newly created accounting policy.
- d. For AA accounting statistics, apply the accounting policy to an AA group or partition.

See the *NSP NFM-P User Guide* for information about applying an accounting policy to an object.

7

Configure a statistics policy to define the retention requirements for the accounting statistics records.

- a. For service accounting statistics, see [5.6 “To configure a statistics policy for accounting statistics on a SAP or an SDP”](#) (p. 70) .
- b. For network accounting statistics, see [5.7 “To configure a statistics policy for accounting statistics on a network interface”](#) (p. 72) .
- c. For subscriber accounting statistics, see [5.8 “To configure a statistics policy for accounting statistics on a subscriber”](#) (p. 73) .
- d. For AA accounting statistics per subscriber, see [5.9 “To configure a statistics policy for AA accounting statistics on a subscriber”](#) (p. 75) .
- e. For AA accounting statistics for an application, see [5.10 “To configure a statistics policy for an AA accounting statistics application”](#) (p. 77) .
- f. For AA accounting statistics for an application group, see [5.10 “To configure a statistics policy for an AA accounting statistics application”](#) (p. 77) .
- g. For AA accounting statistics for a protocol, see [5.12 “To configure a statistics policy for an AA accounting statistics protocol”](#) (p. 80) .

8

View the status of accounting statistics collection for NEs. See the *NSP NFM-P System Administrator Guide* for more information.

-
- 9** _____
If required, use the NFM-P client to view accounting statistics. See [Chapter 8, “Statistics presentation”](#) of the *NSP NFM-P User Guide* for more information.
- 10** _____
Use the XML API to retrieve the accounting statistics records from the NFM-P for processing by a third-party application.
See the *NSP NFM-P XML API Developer Guide* for information about using the XML API to transfer statistics records from the NFM-P database to an OSS client application.
- 11** _____
As required, create or manage periodic accounting statistics calculations; see [5.2 “To create and manage periodic accounting statistics calculations”](#) (p. 63).

Accounting statistics collection procedures

5.4 To configure a file policy

5.4.1 Purpose

Perform this procedure to configure a file policy that controls the management of accounting statistics files on one or more NEs.

i **Note:** You cannot modify or delete a file policy when the policy is associated with an accounting policy that is administratively enabled. You must set the Administrative State parameter of the corresponding accounting policy to Down before you can modify or delete the file policy. See [5.5 “To configure an accounting policy” \(p. 68\)](#) for more information.

5.4.2 Steps

1 _____

Choose Tools→Statistics→File Policies from the NFM-P main menu. The Manage File Policies form opens.

2 _____

Click Create, or choose an existing file policy and click Properties. The File Policy (Create) form opens.

3 _____

Configure the parameters.

i **Note:** Ensure that the NE resources are sufficient to support the file policy and associated accounting policy specifications. The collection, retention, and rollover intervals must be appropriate, and the statistics must be regularly retrieved from the NEs.

i **Note:** Some 7210 SAS devices are equipped with USB flash memory (uf1). In the equipment tree and on Alarm Info forms, the NFM-P displays only Flash Memory. The display does not distinguish between compact flash memory (cf) and USB flash memory (uf).

4 _____

Click Apply.

5 _____

Distribute the policy to NEs, as required.

6 _____
Close the open forms.

END OF STEPS _____

5.5 To configure an accounting policy

5.5.1 Purpose

Perform this procedure to configure a policy that specifies the type and frequency of accounting statistics collection.

5.5.2 Steps

1 _____
Choose Tools→Statistics→Accounting Policies from the NFM-P main menu. The Manage Accounting Policies form opens.

2 _____
Click Create, or choose an existing accounting policy and click Properties. The Accounting Policy (Create) form opens.

3 _____
Specify a file policy.

i **Note:** If you do not specify a file policy, a file policy with default values is automatically created and associated with the accounting policy. When a file policy is automatically created, you must verify that the file policy settings are appropriate for the accounting policy.

4 _____
Configure the required parameters.

5 _____
Click Apply button. The form displays additional tabs.

6 _____
If the policy type is not a Custom Record policy type, go to [Step 13](#) .

7 _____
Click on the Custom Record tab. The Significant Change Criteria tab is displayed.

8

Configure the significant change criteria, if required.

1. Configure the Significant Change Criteria and Significant Change Delta parameters.
2. In the Reference Queue panel, select the All Queues parameter to monitor all queues for significant change, or click Select to choose one queue.
3. In the Reference Queue panel, select the Ingress Counters and Egress Counters to monitor.
4. In the Reference Override panel, select the All Overrides parameter to monitor all override counters for significant change, or click Select to choose one override counter.
5. In the Reference Override panel, select the Ingress Counters and Egress Counters to monitor.

9

If the policy type is Custom Record AA Subscriber, specify the AA counters to monitor.

1. Click on the Application Assurance tab.
2. Select one or more Application Assurance, To Subscriber, and From Subscriber counters to monitor.
3. Specify the Optional Attributes to include in the record.

10

Configure queue counters to monitor, if required.

1. Click on the Queue Counter Config tab.
2. Click Create. The CustomQueue Config (Create) form opens.
3. Configure the ID parameter to specify a queue.
4. Specify one or more Ingress and Egress counters to monitor.
5. Click OK to save your changes and close the form.

11

Configure override counters to monitor, if required.

1. Click on the Override Counter Config tab.
2. Click on the Create button. The Custom Override Config (Create) form opens.
3. Configure the ID parameter to specify an override.
4. Specify one or more Ingress and Egress counters to monitor.
5. Click OK to save your changes and close the form.

12 _____
Click Apply.

13 _____
Distribute the policy to NEs, as required.

14 _____
Close the open forms.

END OF STEPS _____

5.6 To configure a statistics policy for accounting statistics on a SAP or an SDP

5.6.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of accounting statistics on a SAP or an SDP.

5.6.2 Steps

1 _____
Choose Manage→Service→Services from the NFM-P main menu. The Manage Services form opens.

2 _____
Specify a filter to create a filtered list of services and click on the Search button. A list of services is displayed.

3 _____
Select a service in the list and click on the Properties button. The service properties form opens with the General tab displayed.

4 _____
Click on one of the following tabs:

i **Note:** The tabs that are displayed depend on the type of service that is chosen.

- L2 Access Interfaces
- L3 Access Interfaces
- Mesh SDP Bindings
- Spoke SDP Bindings

The properties form for the object opens.

5 _____

Click on the Statistics tab.

6 _____

Choose a statistics class from the object drop-down menu.

7 _____

Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens with the General tab displayed.

8 _____

Configure the parameters:

- Retention Time (hours)
- Administrative State
- Threshold Reporting State



Note: If the Administrative State parameter is set to Down, accounting statistics for the selected statistics class type are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.

9 _____

Click on the Thresholds tab. The Thresholds tab contains a threshold parameter for each counter in the statistics class.

10 _____

Configure the threshold parameters. When a statistics counter threshold is exceeded, the NFM-P raises a threshold-crossing alarm.

11 _____

Click on the OK button. A dialog box appears.

12 _____

Click on the Yes button. The Statistics Policy form closes and the object properties form reappears.

13 _____

Close the object properties form. The service properties form reappears.

-
- 14 _____
Click on the OK button. A dialog box appears.
 - 15 _____
Click on the Yes button. The service properties form closes and the Manage Services form reappears.
 - 16 _____
Close the Manage Services form.
- END OF STEPS _____

5.7 To configure a statistics policy for accounting statistics on a network interface

5.7.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of accounting statistics on a network interface.

5.7.2 Steps

- 1 _____
Choose Routing from the navigation tree view selector.
- 2 _____
Navigate to the required network interface.
- 3 _____
Right-click on the interface icon and choose Properties from the contextual menu. The Network Interface (Edit) form opens with the General tab displayed.
- 4 _____
Click on the Statistics tab.
- 5 _____
Choose a statistics class from the object drop-down menu.
- 6 _____
Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens with the General tab displayed.

7

Configure the parameters:

- Retention Time (hours)
- Administrative State
- Threshold Reporting State



Note: If the Administrative State parameter is set to Down, accounting statistics for the selected statistics class type are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.

8

Click on the Thresholds tab. The Thresholds tab contains a threshold parameter for each counter in the statistics class.

9

Configure the threshold parameters. When a statistics counter threshold is exceeded, the NFM-P raises a threshold-crossing alarm.

10

Click on the OK button. A dialog box appears.

11

Click on the Yes button. The Statistics Policy form closes and the Network Interface form reappears.

12

Close the Network Interface form.

END OF STEPS

5.8 To configure a statistics policy for accounting statistics on a subscriber

5.8.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of accounting statistics on a subscriber.

5.8.2 Steps

- 1 _____
Choose Manage→Residential Subscribers from the NFM-P main menu. The Manage Residential Subscribers form opens.
- 2 _____
Choose Residential Subscriber Instance from the object drop-down menu and click on the Search button. A list of residential subscriber instances is displayed.
- 3 _____
Select a residential subscriber instance in the list and click on the Properties button. The Residential Subscriber Instance form opens with General tab displayed.
- 4 _____
Click on the Statistics tab.
- 5 _____
Choose a statistics class from the object drop-down menu.
- 6 _____
Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens with the General tab displayed.
- 7 _____
Configure the parameters:
 - Retention Time (hours)
 - Administrative State
 - Threshold Reporting State

i **Note:** If the Administrative State parameter is set to Down, accounting statistics for the selected statistics class type are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.
- 8 _____
Click on the Thresholds tab. The Thresholds tab contains a threshold parameter for each counter in the statistics class.

9 _____
Configure the threshold parameters. When a statistics counter threshold is exceeded, the NFM-P raises a threshold-crossing alarm.

10 _____
Click on the OK button. A dialog box appears.

11 _____
Click on the Yes button. The Statistics Policy form closes and the Residential Subscriber Instance form reappears.

12 _____
Close the Residential Subscriber Instance form.

13 _____
Close the Manage Residential Subscriber Instance form.

END OF STEPS _____

5.9 To configure a statistics policy for AA accounting statistics on a subscriber

5.9.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of AA accounting statistics on a subscriber.

5.9.2 Steps

1 _____
Choose Manage→Residential Subscribers from the NFM-P main menu. The Manage Residential Subscribers form opens.

2 _____
Choose Residential Subscriber Instance from the object drop-down menu and click on the Search button. A list of residential subscriber instances is displayed.

3 _____
Select a residential subscriber instance in the list and click on the Properties button. The Residential Subscriber Instance form opens with General tab displayed.

-
- 4 _____
Click on the Statistics tab.
 - 5 _____
Choose an AA statistics class from the object drop-down menu.
 - 6 _____
Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens with the General tab displayed.
 - 7 _____
Configure the parameters:
 - Retention Time (hours)
 - Administrative State

i **Note:** If the Administrative State parameter is set to Down, accounting statistics for the selected statistics class type are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.
 - 8 _____
Click on the OK button. A dialog box appears.
 - 9 _____
Click on the Yes button. The Statistics Policy form closes and the Residential Subscriber Instance form reappears.
 - 10 _____
Close the Residential Subscriber Instance form.
 - 11 _____
Close the Manage Residential Subscribers form.
- END OF STEPS** _____

5.10 To configure a statistics policy for an AA accounting statistics application

5.10.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of AA accounting statistics on an AA application.

5.10.2 Steps

- 1 _____
Choose Policies→ISA Policies→Application Assurance from the NFM-P main menu. The Application Assurance Policies form opens.
- 2 _____
Choose AA Group Policy and click on the Search button. A list of application group policies is displayed.
- 3 _____
Select a policy in the list and click on the Properties button. The global AA Group Policy (Edit) form opens.
- 4 _____
Click on the Local Definitions tab.
- 5 _____
Select a local policy definition in the list and click on the Properties button. The local AA Group Policy (Edit) form opens.
- 6 _____
Click on the Applications tab.
- 7 _____
Select an application in the list and click on the Properties button. The Application (Edit) form opens.
- 8 _____
Click on the Statistics tab.
- 9 _____
Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens.

10

Configure the parameters:

- Retention Time (hours)
- Administrative State

i **Note:** If the Administrative State parameter is set to Down, accounting statistics for the selected application are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.

11

Click on the OK button. A dialog box appears.

12

Click on the Yes button. The Statistics Policy form closes and the Application (Edit) form reappears.

13

Close the forms.

END OF STEPS

5.11 To configure a statistics policy for an AA accounting statistics application group

5.11.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of AA accounting statistics on an AA application group.

5.11.2 Steps

1

Choose Policies→ISA Policies→Application Assurance from the NFM-P main menu. The Application Assurance Policies form opens.

2

Choose AA Group Policy and click on the Search button. A list of application group policies is displayed.

3

Select a policy in the list and click on the Properties button. The global AA Group Policy (Edit) form opens.

4 _____

Click on the Local Definitions tab.

5 _____

Select a local policy definition in the list and click on the Properties button. The local AA Group Policy (Edit) form opens.

6 _____

Click on the Application Groups tab.

7 _____

Select an application group in the list and click on the Properties button. The Application Group (Edit) form opens.

8 _____

Click on the Statistics tab.

9 _____

Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens.

10 _____

Configure the parameters:

- Retention Time (hours)
- Administrative State



Note: If the Administrative State parameter is set to Down, accounting statistics for the selected application group are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.

11 _____

Click on the OK button. A dialog box appears.

12 _____

Click on the Yes button. The Statistics Policy form closes and the Application Group (Edit) form reappears.

13

Close the forms.

END OF STEPS

5.12 To configure a statistics policy for an AA accounting statistics protocol

5.12.1 Purpose

Perform this procedure to configure a policy that specifies the NFM-P database storage criteria for a specific class of AA accounting statistics on an AA protocol.

5.12.2 Steps

1

Choose Equipment from the navigation tree view selector. The navigation tree displays the Equipment view.

2

Navigate to an ISA-AA group. The path is *device*→ISA-AA Groups→*ISA_group*.

3

Right-click on the ISA-AA Group icon and choose Properties. The ISA-AA Group (Edit) form opens.

4

Click on the Statistics tab.

5

Choose AA Protocol Stats (Application Assurance) from the object drop-down menu. A list of AA protocols is displayed.

6

Select a protocol in the list.

7

Click on the Statistics Policies button and choose Statistics Policy from the drop-down menu. The Statistics Policy form opens.

8

Configure the parameters:

- Retention Time (hours)
- Administrative State



Note: If the Administrative State parameter is set to Down, accounting statistics for the selected protocol are not stored in the NFM-P database. The statistics cannot be viewed in the NFM-P GUI or exported to an NFM-P XML API client using find or findToFile operations. However, if an NFM-P XML API client registers using registerLogToFile, the accounting statistics data is exported to files.

9

Click on the OK button. A dialog box appears.

10

Click on the Yes button. The Statistics Policy form closes and the ISA-AA Group (Edit) form reappears.

11

Close the ISA-AA Group form.

END OF STEPS

5.13 To configure ingress and egress accounting policies for an LSP

5.13.1 Purpose

Perform this procedure to configure accounting policies for an LSP. Collecting statistics on an LSP requires configuring an egress accounting policy on the LSP and a separate ingress accounting policy on the MPLS instance at the LSP destination.

5.13.2 Steps

1

Configure a file policy, as described in [5.4 “To configure a file policy” \(p. 67\)](#) .

2

Create an accounting policy for the ingress statistics, as described in [5.5 “To configure an accounting policy” \(p. 68\)](#) . Configure the Type parameter of the policy to Combined MPLS LSP Ingress, and use the file policy you created in [Step 1](#) .

-
- 3

Create a second accounting policy for the egress statistics. Configure the Type parameter to Combined MPLS LSP Egress, and use the file policy you created in [Step 1](#) .
 - 4

Navigate to the MPLS instance at the destination of the LSP. The path is Routing→NE→Routing Instance→MPLS.
 - 5

Right-click on the MPLS instance and choose Properties. The MPLS (edit) form opens.
 - 6

Click on the Accounting tab.
 - 7

Click on the Create button. The IngStatsPolicy, Routing Instance (Create) form opens.
 - 8

Configure the parameters in the LSP Information panel:
 - LSP Name
 - Sender Address
 - 9

Configure the parameters in the Ingress Accounting Statistics panel:
 - Click on the Select button. The Select Accounting Policy - IngStatsPolicy - Routing Instance form opens. Choose the ingress accounting policy you created in [Step 2](#) .
 - Collect Accounting Statistics
 - Administrative State
 - 10

Click on the OK button. Close the MPLS form.
 - 11

Navigate to the LSP.
 - 12

Right-click on the LSP and choose Properties. The LSP (edit) form opens.

13

Click on the Accounting tab.

14

Configure the parameters in the Egress Accounting Statistics panel:

- Click on the Select button. The Select Accounting Policy - Dynamic LSP form opens. Choose the egress accounting policy you created in [Step 3](#) .
- Collect Accounting Statistics
- Administrative State



Note: The Ingress Accounting Statistics panel displays a read-only view of the ingress accounting policy you configured on the MPLS router.

15

Click on the OK button.

END OF STEPS

6 Flow statistics collection

Flow statistics collection in the NFM-P

6.1 Overview

6.1.1 Introduction

The NFM-P can collect flow statistics from managed NEs. Although other criteria may apply, a flow is basically a series of IP packets that share a common source, destination, and type of payload, for example, traffic that is specific to an application.

When an NE is configured to collect flow statistics, the NE monitors the traffic on one or more interfaces to identify the flows, aggregates the flow data, and regularly exports flow data records to an external system.

An NSP flow collector can collect the following flow statistics from managed NEs:

- system Cflowd, for example, per-AS or per-subnet
- AA

See the on-product *IPDR Reference* for comprehensive information about AA statistics types and counters.

6.1.2 Functional description

The NFM-P supports flow statistics collection on the following devices:

- 7450 ESS, Release 13.0 or later
- 7750 SR, Release 13.0 or later, 7750 SR-1 chassis excepted
- 7750 MG, Release 8.0 or later

An NSP flow collector extracts the managed-network information upon initialization, and receives regular updates to the information from an NFM-P main server via JMS notifications. Depending on the configuration, the NSP flow collector subsequently collects system Cflowd or AA Cflowd statistics from NEs using the IPFIX protocol.

i **Note:** If the IP address of an NFM-P main server changes, you must update the IP address in the configuration of each associated NSP flow collector and perform a manual snapshot extraction, as described in [6.11 “To control NSP flow collector functions” \(p. 98\)](#).

The collected statistics data is managed using one or both of the following methods:

- Forwarding the statistics records in IPDR, EDR, or 5670 RAM format to a target file server
- Storing the data in an NFM-P auxiliary database for use by the Analytics application

Fault tolerance

The NFM-P can forward statistics data to redundant targets for retrieval by an OSS or third-party application. Additionally, you can use multiple NSP flow collectors to collect statistics from the same set of NEs and forward the data to the redundant targets. Such a configuration provides a high degree of fault tolerance in the event of an NFM-P component failure. See the *NSP NFM-P System Administrator Guide* for more information.



Note: When multiple NSP flow collectors forward statistics to one OSS, it is recommended that you configure the OSS to organize the statistics data by saving the statistics from each server in a separate directory.

Workflow to configure flow statistics collection

6.2 Workflow

6.2.1 Process

- 1 _____
Open the NSP flow collector web UI; see [6.4 “To open the NSP flow collector web UI” \(p. 92\)](#).
- 2 _____
Specify whether the statistics in a domain are stored for Analytics use or forwarded to a file server; see [6.5 “To configure the flow data persistence” \(p. 92\)](#).
- 3 _____
Specify the NEs from which to collect flow statistics; see [6.6 “To specify the NEs and MDAs for flow statistics collection” \(p. 93\)](#).
- 4 _____
Configure the general collection parameters to specify the objects to monitor, the aggregation intervals, and the counters to collect; see [6.7 “To configure flow statistics aggregation” \(p. 94\)](#).
- 5 _____
Configure a special-study policy, if required; see [6.8 “To configure an AA Cflowd special-study policy” \(p. 95\)](#).
- 6 _____
Configure AA application or protocol filters as required; see [6.9 “To configure an AA application or protocol filter” \(p. 96\)](#).
- 7 _____
If you require a similar configuration on multiple NSP flow collectors, copy one or more configuration files to the servers; see [6.10 “To distribute a configuration to multiple NSP flow collectors” \(p. 97\)](#).
- 8 _____
If required, configure redundant destinations for the statistics collected by each NSP flow collector. See the *NSP NFM-P System Administrator Guide*.

9

Control NSP flow collector functions such as the following; see [6.11 “To control NSP flow collector functions” \(p. 98\)](#):

- enable or disable statistics collection
- enable or disable JMS event monitoring
- initiate network information retrieval

Workflow to configure AA Cflowd special study statistics collection

6.3 Special study configuration workflow

6.3.1 Purpose

Use this workflow along with [“Workflow to configure flow statistics collection” \(p. 88\)](#) to configure collection of Special Study AA Cflowd statistics. Special study configuration is required for DNS Performance or VOIP OTT reports in the Analytics application. See the *NSP NFM-P Analytics Report Catalog* for more information about Analytics reports.

6.3.2 Process

1 _____

Select the Enable Application Performance Reporting for Residential Groups parameter in each AA group policy associated with the special-study subscribers.

2 _____

Open the NSP flow collector web UI; see [6.4 “To open the NSP flow collector web UI” \(p. 92\)](#).

3 _____

Specify the NEs from which to collect AA Cflowd statistics; see [6.6 “To specify the NEs and MDAs for flow statistics collection” \(p. 93\)](#).

4 _____

Configure a special-study policy; see [6.8 “To configure an AA Cflowd special-study policy” \(p. 95\)](#).

For Analytics reports, the following considerations apply:

- The Filter Type parameter must be set to All Traffic per Application and the Subscriber Type and Subscriber ID parameters must be set to N/A.
- To collect DNS statistics, add applications that have been created to model DNS server types.
- To collect OTT VoIP statistics, enter the names of the VoIP OTT applications, for example, Skype Calls, you want to report on.
- The application name you configure in the NSP flow collector web UI must match the application name exactly, including blanks, as seen in the report prompt in the Analytics application.

5

Proceed with statistics collection configuration, for example, configure AA application or protocol filters.

Flow statistics collection procedures

6.4 To open the NSP flow collector web UI

6.4.1 Steps

- 1 _____
Use a browser to open the following URL:
`https://server:8443/dcp-admin/admin`
where *server* is the NSP flow collector IP address or hostname
- 2 _____
If a login form opens, enter the required user credentials and click OK. The NSP flow collector page opens.

END OF STEPS _____

6.5 To configure the flow data persistence

6.5.1 Purpose

Perform this procedure to specify, for one or more statistics domains, whether the NFM-P retains the collected data for Analytics application reporting, forwards the data to a target file server, or both.

6.5.2 Steps

- 1 _____
Open the NSP flow collector web UI.
- 2 _____
Click on the Collector Configuration link. The main configuration page opens.
- 3 _____
Click on the Results Persistence tab. The AA Cflowd statistics domains are listed.
- 4 _____
Select or deselect the persistence options for each statistics domain, as required.
 - Select IPDR to enable data forwarding to a target file server.
 - Select Vertica to enable data storage for use by the Analytics application.

5 _____

Click Save Configuration. The persistence settings are applied.

END OF STEPS _____

6.6 To specify the NEs and MDAs for flow statistics collection

6.6.1 Steps

1 _____

Open the NSP flow collector web UI.

2 _____

Click on the Collector Configuration link. The main configuration page opens.

3 _____

Add NEs and IS-AA MDAs, as required.

1. Click Add. A new table row is displayed.
2. Configure the parameters:
 - System ID
 - Source IPFIX Address
 - Description

i **Note:** The System ID value must match the System ID that the NFM-P associates with the NE, for example, as shown on the NE properties form in the GUI.

i **Note:** You can specify multiple MDAs on one NE by adding one table row for each MDA and using the same System ID in each row.

i **Note:** The Source IPFIX Address value is the MDA IP address from which the NE is to send IPFIX traffic to the NSP flow collector.

4 _____

To delete an NE, select the Delete on save check box beside the NE.

5 _____


Click Save Configuration. The configuration is saved.


END OF STEPS _____

6.7 To configure flow statistics aggregation

6.7.1 Steps

- 1 _____
Open the NSP flow collector web UI.
- 2 _____
Click on the Collector Configuration link. The main configuration page opens.
- 3 _____
Click on the Aggregation Policy tab.
- 4 _____
Perform one of the following.
 - a. If the NSP flow collector is to collect system Cflowd statistics, select one or more aggregation types in the Basic IPv4 panel.
 - b. If the NSP flow collector is to collect AA statistics, select one or more statistics classes in the Subscriber Collection panel to enable aggregation for the classes.
- 5 _____
Use the Interval drop-down menus in the Aggregation Intervals panel to specify the aggregation interval for each statistic type, as required.

 **Note:** The default interval is 1 min for system Cflowd statistics.

 **Note:** The default interval is 15 min for each AA statistics type except the following:

 - Comprehensive—Hourly
 - IP Detail Top N—Daily
 - PGW-EDR—1 min
- 6 _____
The Interval Closing Timeout parameter specifies a latency value that is applied at the end of a collection interval to ensure that any queued statistics are written to the current file. Typically, the default value of one second is adequate; configure the parameter only at the request of technical support.
- 7 _____
If the NSP flow collector collects AA Cflowd statistics, specify the counters to collect for each statistic type, as required.

1. Click on the tab in the lower panel that corresponds to the statistic type.
2. Select or deselect the counters, as required.

8 _____

Click Save Configuration. The configuration is saved.

END OF STEPS _____

6.8 To configure an AA Cflowd special-study policy

6.8.1 Steps

1 _____

Open the NSP flow collector web UI.

2 _____

Click on the Collector Configuration link. The main configuration page opens.

3 _____

Click on the Special Study Policy tab.

4 _____

Click Add. A new table row is displayed.

5 _____

Configure the Filter Type parameter.

6 _____

If the Filter Type parameter is set to something other than All Traffic per Subscriber, configure the Application / Application Group Name parameter.

7 _____

Configure the Subscriber Type parameter.

8 _____

Configure the Subscriber ID parameter.



Note: In the mobile domain, the subscriber ID must be prefixed by IMSI, MSISDN, or IMEI. For example, IMSI 88123398891xxxx.

9 _____

If the Subscriber Type value is SAP, SDP Binding, or Business Transit Sub, configure the System ID parameter by specifying the system IP address of the host NE.

10 _____

To delete a policy, select the Delete on save check box beside the policy.

11 _____

Click Save Configuration. The configuration is saved.

END OF STEPS _____

6.9 To configure an AA application or protocol filter

6.9.1 Steps

1 _____

Open the NSP flow collector web UI.

2 _____

Click on the Collector Configuration link. The main configuration page opens.

3 _____

Click on the Application / Protocol Filters tab.

4 _____

Click Add. A new table row is displayed.

5 _____

Configure the Filter Type parameter.

6 _____

Configure the Application / Protocol Name parameter.

7 _____

To delete a filter, select the Delete on save check box beside the filter.

8

Click Save Configuration. The filters are applied to the next scheduled collection.

END OF STEPS

6.10 To distribute a configuration to multiple NSP flow collectors

6.10.1 Purpose

Perform this procedure to distribute all or part of the configuration on one NSP flow collector to another NSP flow collector.

The following scenarios require a duplicate configuration.

- The two servers are to independently collect the same statistics from different sets of NEs.
- One NSP flow collector is to act as a redundant backup of the other in the event of a failure.



Note: The two servers must collect the same statistics type, for example, system Cflowd or AA Cflowd.



CAUTION

Misconfiguration Risk

In a redundancy scenario, if the two statistics-collection configurations do not match, the collected data or server redundancy may be compromised in the event of a failure. For example:

- Using different collection intervals may cause data duplication.
- Enabling the collection of different counters effectively defeats the redundancy function.

The file transfer configurations may differ, but the statistics collection and NFM-P communication configurations must be identical.

6.10.2 Steps

1

Log in to the NSP flow collector station as the root user.

2

Navigate to the `/opt/nsp/flow/jboss-6.4.0/standalone/configuration/dcp` directory.

3

Copy the following files to the same directory on the other NSP flow collector, as required:

- CfdResultsPersistencePolicy.xml—Results Persistence settings
- CfdEdrResultsTransfer.properties—EDR file transfer settings
- CfdIpdrResultsTransfer.properties—IPDR file transfer settings
- CfdSpecialStudyPolicy.xml—Special Study Policy settings
- CfdUappsPolicy.xml—Application / Protocol Filters settings
- SamHostInfoCfg.xml—NFM-P Configuration settings

4

If the NSP flow collector collects system Cflowd statistics, copy the following additional file to the same directory:

- SysCfdAggregationPolicy.xml—global system Cflowd aggregation policy

5

If the NSP flow collector collects AA Cflowd statistics, copy the following additional file to the directory:

- AaCfdAggregationPolicy.xml—global AA Cflowd aggregation policy

6

Perform one of the following.

- a. If the new NSP flow collector is to be a redundant backup of the existing server, copy the appropriate local policy file to the same directory on the other server:
 - If the servers collect system Cflowd statistics:
 - SysCfdCollectionPolicy.xml
 - If the servers collect AA Cflowd statistics:
 - AaCfdCollectionPolicy.xml
- b. If the new NSP flow collector is not to be a redundant backup server, use the web UI of the other NSP flow collector to specify the NEs from which to collect AA Cflowd statistics. See [6.6 “To specify the NEs and MDAs for flow statistics collection” \(p. 93\)](#).

END OF STEPS

6.11 To control NSP flow collector functions

6.11.1 Purpose

Perform this procedure to manage functions such as statistics collection and JMS event monitoring on an NSP flow collector.

6.11.2 Steps

- 1 _____
Open the NSP flow collector web UI.
- 2 _____
Click on the Collector Configuration link. The main configuration page opens.
- 3 _____
Click on the Operations tab. The Operations page is displayed.
- 4 _____



CAUTION

Service Disruption

The Force Snapshot Extraction option consumes NFM-P main server resources, and is typically required only as recommended by technical support.

Ensure that you choose Force Snapshot Extraction only if required, and only during a period of low NFM-P system activity.

Perform one or more of the following, as required:

- a. To stop the statistics collection, click Disable Statistics Collection.
- b. To start the statistics collection, click Enable Statistics Collection.
- c. To start monitoring NFM-P JMS events, click Start Event Collector.
- d. To stop monitoring NFM-P JMS events, click Stop Event Collector.
- e. To force the NSP flow collector to retrieve all network information from the NFM-P, click Force Snapshot Extraction.

END OF STEPS _____

7 Server performance statistics

Server performance statistics collection

7.1 Overview

7.1.1 General information

Server performance statistics are collected from the NFM-P main servers in an NFM-P system. To collect server performance statistics, you need to create and apply the following policies:

- statistics policy
- server performance collection policy

See [Chapter 3, "Statistics collection"](#) for more information about the policies.

Workflow for server performance statistics collection

7.2 Workflow

7.2.1 Process

- 1 _____
Configure the statistics policy associated with the statistics data. See [7.3 “To configure a statistics policy for server performance statistics” \(p. 104\)](#) for more information.
- 2 _____
Configure the server performance collection policy that is associated with the statistics data. See [7.4 “To configure a statistics collection policy for server performance statistics” \(p. 105\)](#) for more information.
- 3 _____
Delete statistics records, as required. See [7.5 “To delete statistics records” \(p. 106\)](#) for more information.

Server performance statistics collection procedures

7.3 To configure a statistics policy for server performance statistics

7.3.1 Purpose

Perform this procedure to create a policy that specifies the storage criteria for NFM-P server performance statistics. You can create one statistics policy for each type of statistics counter.

7.3.2 Steps

- 1 _____
Choose Tools→Statistics→Server Performance Statistics from the NFM-P main menu. The Server Performance Statistics form opens.
- 2 _____
Choose one of the statistics classes from the object drop-down menu.
- 3 _____
Click on the Statistics Policy button. The Statistics Policy form opens with the General tab displayed.
- 4 _____
Configure the parameters:
 - Retention Time (hours)
 - Administrative State
 - Threshold Reporting State (if available)
- 5 _____
Click on the Thresholds tab. The Thresholds tab contains a threshold parameter for each counter in the statistics class.
- 6 _____
Configure the threshold parameters. When a statistics counter threshold is exceeded, the NFM-P raises a threshold-crossing alarm.
- 7 _____
Click OK. A dialog box appears.

8 _____
Click Yes. The Statistics Policy form closes and the Server Performance Statistics form reappears.

9 _____
Close the Server Performance Statistics form.

END OF STEPS _____

7.4 To configure a statistics collection policy for server performance statistics

7.4.1 Purpose

Perform this procedure to create a policy for the collection of NFM-P server performance statistics. You can create one collection policy for each statistics policy.

7.4.2 Steps

1 _____
Choose Tools→Statistics→Server Performance Statistics from the NFM-P main menu. The Server Performance Statistics form opens.

2 _____
Choose one of the following statistics classes from the object drop-down menu.

3 _____
Click on the Collection Policy button. The Collection Policy form opens.

4 _____
Configure the parameters:

- Administrative State
- Polling Synchronization Time
- Collection Interval

5 _____
Click on the OK button. A dialog box appears.

6 _____
Click on the Yes button. The Collection Policy form closes and the Server Performance Statistics form reappears.

-
- 7 _____
Close the Server Performance Statistics form.

END OF STEPS _____

7.5 To delete statistics records

7.5.1 Purpose

Perform this procedure to remove one or more server performance statistics records from the NFM-P database.

7.5.2 Steps

- 1 _____
Choose Tools→Statistics→Server Performance Statistics from the NFM-P main menu. The Server Performance Statistics form opens.
- 2 _____
Choose one of the following statistics classes from the object drop-down menu.
- 3 _____
Click on the Statistics Policy button. The Statistics Policy form opens with the General tab displayed.
- 4 _____
Click on the Purge Statistics Records button. If this button is not visible, click on the More Actions button and choose Purge Statistics Records. The Statistics Policy filter form opens.
- 5 _____
Use the filter form to narrow the search for specific statistics records.
- 6 _____
Click on the OK button. A dialog box appears.
- 7 _____
Click on the Yes button. The Statistics Policy filter form closes, and the records are deleted from the database. The Statistics Policy form appears.
- 8 _____
Close the Statistics Policy form. The Server Performance Statistics form reappears.

9

Close the Server Performance Statistics form.

END OF STEPS

Part III: Statistics presentation

Overview

Purpose

This volume describes the presentation of statistics in the NFM-P.

Contents

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8 Statistics presentation

Statistics presentation in the NFM-P

8.1 Overview

8.1.1 General information

You can view all NFM-P-supported statistics types in a table or graph. A table lists specific values that you can filter and sort. A graph can display multiple statistics counters simultaneously, and helps to identify trends. A graph can also use dual, independently scaled axes that allow an NFM-P operator to visually compare statistics with high numbers, such as throughput statistics, to statistics with very low numbers, such as dropped packet statistics.

You can display statistics for multiple objects in one list, and can export table data or a graph image to a file in multiple formats.

There are two ways to choose the statistics to view in a table or graph.

- bottom-up method—uses the Statistics tab of an object properties form; applies to performance and accounting statistics
- top-down method—uses the NFM-P Statistics Manager; applies to all statistics types

8.1.2 Tabular statistics view

Statistics records for an object are listed on the Statistics tab of the object properties form. Each statistics class in the object drop-down menu corresponds to an NE MIB table or accounting file.

From the Statistics tab, you can use the Collect button to collect on-demand network or server performance statistics, and the Collect All button to collect one on-demand statistics record for each statistic type that the object supports.

i **Note:** On-demand collection is not available for accounting statistics, because accounting statistics are available only after an NE transfers an accounting statistics file to the NFM-P.

You can sort and filter the listed records, for example, to display only the statistics collected during a specific period, and can export the list to a file.

A Properties button on the Statistics tab enables you to view a selected record. Depending on the number and types of counters that a record contains, the counters are displayed on separate tabs of the record properties form. The General tab displays information about the record, for example, the record type and collection time, and the other tabs each display a group of counters, for example, octet-based or packet-based counters, to facilitate finding a specific counter.

8.1.3 Graphical statistics view

NOTICE

Service Disruption

When multiple NFM-P clients each have multiple open plotters that display multiple counters, a large volume of statistics is collected from the NEs. If the data for multiple plotters is from one NE, the independent polls of the NE by each plotter may affect performance. You can use a scope of command role to limit plotter access to specific NFM-P user groups. See the NSP NFM-P System Administrator Guide for scope of command role information.

The NFM-P Statistics Plotter creates graphs using statistics data. The plotter can display multiple performance, accounting, and server performance statistics simultaneously, using dual Y axes to represent different value scales. The plotter also displays the numerical value of each point on the graph in a table, and can display minimum, maximum, and average values for a plot area. Multiple Statistics Plotter windows can be simultaneously active in one client GUI.

You can use the NFM-P main menu, contextual menu options, or the Plotter button on a form to open the Statistics Plotter and create graphs of real-time or historical statistics. Historical plots use data from previous scheduled collections. Real-time plots collect statistics data while the plotter window is open and plot the data as it is collected.



Note: Historical plots use only statistics data from scheduled collections, not data from on-demand collections.

User-defined plotter profiles specify the plot attributes for a type of object. Plotter profiles are a convenient way to open the same type of plot for different objects of the same type. Right-click menu options for objects in navigation trees and maps open a plotter window for the object and optionally display the plots defined in one or more plotter profiles.

Graphical presentation options

You can plot raw values, and periodic counter values, which the NFM-P calculates by subtracting the previous counter value from the current counter value. In graphical form, periodic data is typically more informative than raw counter data for troubleshooting and trend analysis. You can also plot values such as the following, which provide a more comprehensive view of network activity:

- link utilization

The NFM-P uses ingress and egress port and channel statistics to calculate utilization values for plotting. Plotted utilization values provide a convenient view of the bandwidth usage.

- throughput data expressed as a flow rate

When you need to monitor a data flow rate, you can choose to plot normalized counter data, such as the number of octets per second received on a port, using a scale that is appropriate for the flow rate.

- event-based data expressed as a rate

You can plot normalized event-based counter data, such as the number of received DHCP requests or dropped packets per second.

- matching counter data for the opposite endpoint of a link

When you create a plot of endpoint data from an object such as a physical or optical link that terminates on a physical port, you can use a button in the plotter window to create a plot of the same data for the opposite endpoint, and create a profile that you can use to automatically plot both endpoints of other links. This function can help to isolate throughput issues.

See [Chapter 10, "Graphing statistics"](#) for information about using the NFM-P Statistics Plotter.

9 Viewing statistics

Viewing statistics in the NFM-P

9.1 Overview

9.1.1 General information

Statistics can be viewed as numerical data in a table, which is useful for obtaining raw counter values. The tabular data can be sorted, filtered, and exported to files in different formats.

AA statistics can be viewed from the Statistics tab of a local AA policy object, such as an application, application group, or protocol.

Workflow for viewing statistics

9.2 Workflow

9.2.1 Process

- 1 _____
Monitor on-demand performance statistics. See [9.3 “To view on-demand statistics” \(p. 118\)](#) for more information.
- 2 _____
Monitor statistics for sets of objects. See [9.4 “To view statistics for a set of objects” \(p. 119\)](#) for more information.
- 3 _____
Monitor scheduled collection for the following statistics types, as required:
 - performance—see [9.6 “To view performance statistics” \(p. 121\)](#) for more information
 - service accounting—see [9.8 “To view service accounting statistics” \(p. 124\)](#) for more information
 - specific-object—see [9.5 “To view network accounting statistics” \(p. 120\)](#) for more information
 - subscriber accounting—see [9.9 “To view subscriber accounting statistics” \(p. 125\)](#) for more information
 - AA accounting—see [9.9 “To view subscriber accounting statistics” \(p. 125\)](#) to [9.13 “To view AA accounting statistics for a protocol” \(p. 131\)](#) for more information
- 4 _____
Monitor NFM-P server performance statistics using the GUI. See [9.7 “To view server performance statistics” \(p. 122\)](#) for more information.


Viewing statistics procedures

9.3 To view on-demand statistics

9.3.1 Purpose

Perform this procedure to collect and display the statistics values in a current statistics record.

9.3.2 Steps

- 1 _____
Open the properties form of the object for which you want to view statistics. The General tab is displayed.
- 2 _____
Click on the Statistics tab.
- 3 _____
Choose a statistics class from the object drop-down menu.
 **Note:** The Collect and Collect All buttons are not displayed when you choose a statistics class that does not support on-demand statistics collection.
- 4 _____
Specify a filter to create a filtered list of statistics records, if required.
- 5 _____
Perform one of the following.
 - a. Click on the Collect button to collect the statistics for only the specified class.
 - b. Click on the Collect All button to collect statistics for all classes.The statistics records are displayed in a list.
- 6 _____
Identify a statistics record to view.
- 7 _____
Perform one of the following.
 - a. Scroll horizontally to view the statistics counter values for the statistics record.
 - b. Open the statistics record to view it.

1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
2. View the statistics record.
3. Click on the Close button to close the Statistics Record form.

8

Close the object properties form.

END OF STEPS

9.4 To view statistics for a set of objects

9.4.1 Purpose

Perform this procedure to display the statistics data and collection criteria for a one or more statistics classes.

9.4.2 Steps

1

Choose Tools→Statistics→Statistics Manager from the NFM-P main menu. The Statistics Manager form opens.

2

Configure the Statistics Type parameter.

3

Do one of the following:

- a. Choose a statistics class from the object drop-down tree.
- b. Choose a statistics class by clicking on the Filter for Object Type button.

4

Click on the Search button. A list of entries is displayed.

5

Identify an entry to view.

6

Do one of the following:

- a. Scroll horizontally to view the values that the entry contains.

- b. Open the entry to view it.
 1. Select the entry and click on the Properties button. The appropriate form opens, based on the Statistics Type parameter setting.
 2. View the form contents.
 3. Close the form.

7 _____
Close the Statistics Manager form.

END OF STEPS _____

9.5 To view network accounting statistics

9.5.1 Purpose

Perform this procedure to display network-based accounting statistics data in a table.

9.5.2 Steps

- 1 _____
Choose Manage→Service Tunnels from the NFM-P main menu. The Manage Service Tunnels form opens.
- 2 _____
Specify a filter to create a filtered list of service tunnels and click on the Search button. A list of service tunnels is displayed.
- 3 _____
Select a service tunnel in the list and click on the Properties button. The service tunnel properties form opens with the General tab displayed.
- 4 _____
Click on the Statistics tab.
- 5 _____
Choose a statistics class from the object drop-down menu.
- 6 _____
Specify a filter to create a filtered list of statistics classes, if required.

7 _____

Click on the Search button. A list of statistics records is displayed.

8 _____

Identify a statistics record to view.

9 _____

Perform one of the following.

a. Scroll horizontally to view the statistics counter values for the statistics record.

b. Open the statistics record to view it.

1. Select the statistics record and click on the Properties button. The Statistics Record form opens.

2. View the statistics record.

3. Click on the Close button to close the Statistics Record form.

10 _____

Close the service tunnel properties form.

11 _____

Close the Manage Service Tunnels form.

END OF STEPS _____

9.6 To view performance statistics

9.6.1 Purpose

Perform this procedure to display performance statistics data in a table.

9.6.2 Steps

1 _____

Right-click on an object in the navigation tree and choose Properties from the contextual menu. The properties form for the object opens with the General tab displayed.

2 _____

Click on the Statistics tab.

-
- 3** _____
Choose a statistics class from the object drop-down menu.
- i** **Note:** The Collect and Collect All buttons are not displayed when you choose a statistics class that does not support on-demand statistics collection.
- 4** _____
Specify a filter to create a filtered list of statistics classes.
- 5** _____
Perform one of the following.
- Click on the Collect button to collect the statistics for only the specified class.
 - Click on the Collect All button to collect statistics for all classes.
- The statistics records are displayed in a list.
- 6** _____
Identify a statistics record to view.
- 7** _____
Perform one of the following.
- Scroll horizontally to view the statistics counter values for the statistics record.
 - Open the statistics record to view it.
 - Select the statistics record and click on the Properties button. The Statistics Record form opens.
 - View the statistics record.
 - Click on the Close button to close the Statistics Record form.
- 8** _____
Close the object properties form.

END OF STEPS _____

9.7 To view server performance statistics

9.7.1 Purpose

Perform this procedure to display NFM-P server performance statistics data in a table.

9.7.2 Steps

- 1 _____
Choose Tools→Statistics→Server Performance Statistics from the NFM-P main menu. The Server Performance Statistics form opens.
- 2 _____
Choose a statistics class from the object drop-down menu.
- 3 _____
Specify a filter to create a filtered list of statistics records, if required.
- 4 _____
Perform one of the following.
 - a. Click on the Search button to list statistics records for scheduled collections of the statistics class.
 - b. Click on the Collect button to perform an on-demand collection for the statistics class.
- 5 _____
Identify a statistics record to view.
- 6 _____
Perform one of the following.
 - a. Scroll horizontally to view the statistics counter values for the statistics record.
 - b. Open the statistics record to view it.
 1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
 2. View the statistics record.
 3. Click on the Close button to close the Statistics Record form.
- 7 _____
Close the Server Performance Statistics form.

END OF STEPS _____

9.8 To view service accounting statistics

9.8.1 Purpose

Perform this procedure to display service-based accounting statistics data in a table.

9.8.2 Steps

- 1 _____
Choose Manage→Service→Services from the NFM-P main menu. The Manage Services form opens.
- 2 _____
Specify a filter to create a filtered list of services and click on the Search button. A list of services is displayed.
- 3 _____
Select a service in the list and click on the Properties button. The service properties form opens with the General tab displayed.
- 4 _____
Click on the L2 Access Interfaces or L3 Access Interfaces tab, as required, to display a list of access interfaces.
- 5 _____
Select an interface in the list and click on the Properties button. The appropriate access interface properties form opens with the General tab displayed.
- 6 _____
Click on the Statistics tab.
- 7 _____
Choose a statistics class from the object drop-down menu.
- 8 _____
Specify a filter to create a filtered list of statistics classes, if required.
- 9 _____
Click on the Search button. A list of statistics records is displayed.

10 _____
Identify a statistics record to view.

11 _____
Perform one of the following.

- a. Scroll horizontally to view the statistics counter values for the statistics record.
- b. Open the statistics record to view it.
 1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
 2. View the statistics record.
 3. Click on the Close button to close the Statistics Record form.

12 _____
Close the access interface properties form.

13 _____
Close the service properties form.

14 _____
Close the Manage Services form.

END OF STEPS _____

9.9 To view subscriber accounting statistics

9.9.1 Purpose

Perform this procedure to display subscriber-related accounting statistics data in a table.

9.9.2 Steps

1 _____
Choose Manage→Residential Subscribers from the NFM-P main menu. The Manage Residential Subscribers form opens.

2 _____
Choose Residential Subscriber Instance from the object drop-down menu and click on the Search button. A list of residential subscriber instances is displayed.

-
- 3** _____
Select a residential subscriber instance in the list and click on the Properties button. The Residential Subscriber Instance properties form opens with the General tab displayed.
- 4** _____
Click on the Statistics tab.
- 5** _____
Choose a statistics class from the object drop-down menu.
- 6** _____
Specify a filter to create a filtered list of statistics classes, if required.
- 7** _____
Click on the Search button. A list of statistics records is displayed.
- 8** _____
Identify a statistics record to view.
- 9** _____
Perform one of the following.
- a. Scroll horizontally to view the statistics counter values for the statistics record.
 - b. Open the statistics record to view it.
 1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
 2. View the statistics record.
 3. Click on the Close button to close the Statistics Record form.
- 10** _____
Close the Residential Subscriber Instance properties form.
- 11** _____
Close the Manage Residential Subscribers form.
- END OF STEPS** _____

9.10 To view per-subscriber AA accounting statistics

9.10.1 Purpose

Perform this procedure to display, in a table, the AA-related accounting statistics data for a subscriber.

9.10.2 Steps

- 1 _____
Choose Manage→Residential Subscribers from the NFM-P main menu. The Manage Residential Subscribers form opens.
- 2 _____
Choose Residential Subscriber Instance from the object drop-down menu and click on the Search button. A list of residential subscriber instances is displayed.
- 3 _____
Select a residential subscriber instance in the list and click on the Properties button. The Residential Subscriber Instance properties form opens with the General tab displayed.
- 4 _____
Click on the Statistics tab.
- 5 _____
Choose an AA statistics class from the object drop-down menu.
- 6 _____
Specify a filter to create a filtered list of statistics classes, if required.
- 7 _____
Click on the Search button. A list of statistics records is displayed.
- 8 _____
Identify a statistics record to view.
- 9 _____
Perform one of the following.
 - a. Scroll horizontally to view the statistics counter values for the statistics record.
 - b. Open the statistics record to view it.

1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
2. View the statistics record.
3. Click on the Close button to close the Statistics Record form.

10

Close the Residential Subscriber Instance properties form.

11

Close the Manage Residential Subscribers form.

END OF STEPS

9.11 To view AA accounting statistics for an application

9.11.1 Purpose

Perform this procedure to display, in a table, the AA-related accounting statistics data for an application.

9.11.2 Steps

1

Choose Policies→ISA Policies→Application Assurance from the NFM-P main menu. The Application Assurance Policies form opens.

2

Choose AA Group Policy and click on the Search button. A list of AA group policies is displayed.

3

Select a policy in the list and click on the Properties button. The AA Group Policy (Global) form opens.

4

Click on the Local Definitions tab.

5

Select a local policy definition in the list and click on the Properties button. The local AA Group Policy form opens.

6 _____

Click on the Applications tab.

7 _____

Choose an application in the list and click on the Properties button. The Application properties form opens.

8 _____

Click on the Statistics tab.

9 _____

Specify a filter to create a filtered list of statistics classes, if required.

10 _____

Click on the Search button. A list of statistics records is displayed.

11 _____

Identify a statistics record to view.

12 _____

Perform one of the following.

- a. Scroll horizontally to view the statistics counter values for the statistics record.
- b. Open the statistics record to view it.
 1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
 2. View the statistics record.
 3. Click on the Close button to close the Statistics Record form.

13 _____

Close the forms.

END OF STEPS _____

9.12 To view AA accounting statistics for an application group

9.12.1 Purpose

Perform this procedure to display, in a table, the AA-related accounting statistics data for an application group.

9.12.2 Steps

- 1 _____
Choose Policies→ISA Policies→Application Assurance from the NFM-P main menu. The Application Assurance Policies form opens.
- 2 _____
Choose AA Group Policy and click on the Search button. A list of AA group policies is displayed.
- 3 _____
Select a policy in the list and click on the Properties button. The AA Group Policy (Global) form opens.
- 4 _____
Click on the Local Definitions tab.
- 5 _____
Select a local policy definition in the list and click on the Properties button. The local AA Group Policy form opens.
- 6 _____
Click on the Application Groups tab.
- 7 _____
Choose an application group in the list and click on the Properties button. The Application Group properties form opens.
- 8 _____
Click on the Statistics tab.
- 9 _____
Specify a filter to create a filtered list of statistics classes, if required.
- 10 _____
Click on the Search button. A list of statistics records is displayed.
- 11 _____
Identify a statistics record to view.

12

Perform one of the following.

- a. Scroll horizontally to view the statistics counter values for the statistics record.
- b. Open the statistics record to view it.
 1. Select the statistics record and click on the Properties button. The Statistics Record form opens.
 2. View the statistics record.
 3. Click on the Close button to close the Statistics Record form.

13

Close the forms.

END OF STEPS

9.13 To view AA accounting statistics for a protocol

9.13.1 Purpose

Perform this procedure to display, in a table, the AA-related accounting statistics data for a protocol.

9.13.2 Steps

1

Choose Equipment from the navigation tree view selector. The navigation tree displays the Equipment view.

2

Navigate to an ISA-AA group. The path is *device*→ISA-AA Groups→*ISA_group*.

3

Right-click on the ISA-AA Group icon and choose Properties. The ISA-AA Group (Edit) form opens with the General tab displayed.

4

If the ISA-AA group is partitioned, click on the ISA-AA Partitions tab. A list of ISA-AA partitions is displayed.

5

Select an ISA-AA partition and click on the Properties button. The ISA-AA Group Partition (Edit) form opens with the General tab displayed.

6 _____
Click on the Statistics tab.

7 _____
Perform one of the following.

- a. Scroll horizontally to view the statistics counter values for the statistics record.
- b. Open the statistics record to view it.
 - 1. Select the statistics record and click on the Properties button. The Statistics Record - AA Protocol Stats form opens.
 - 2. View the statistics record.
 - 3. Click on the Close button to close the Statistics Record - AA Protocol Stats form.

8 _____
Close the ISA-AA Group form.

END OF STEPS _____

10 Graphing statistics

Graphing statistics overview

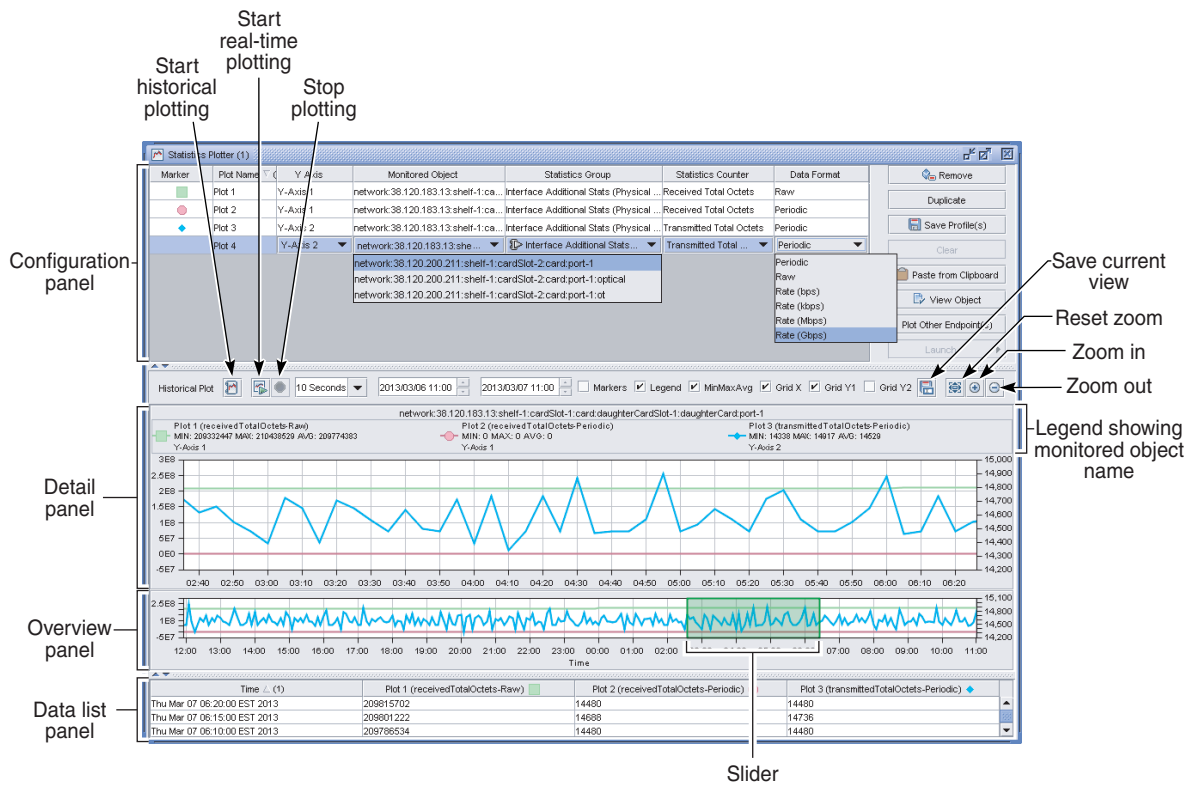
10.1 Overview

10.1.1 General

The NFM-P Statistics Plotter displays statistics data in graphical form. [Figure 7, “NFM-P Statistics Plotter” \(p. 134\)](#) shows the Statistics Plotter window, which has the following panels:

- configuration—allows you to specify the counters to plot
- detail—contains the plotted graph points, axes, and grid lines
- overview—provides an overview of the entire data range
- data list—displays the graph data in tabular form

Figure 7 NFM-P Statistics Plotter



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The Statistics Manager form, and the Statistics tab of an object properties form, each have a statistics class drop-down menu. An icon beside each statistics class in the menu indicates the plot types that the class supports; the icons are shown in [Figure 8, “Plotting support indicators”](#) (p. 134).

Figure 8 Plotting support indicators



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10.1.2 About the NFM-P Statistics Plotter

The NFM-P Statistics Plotter allows you to plot counter values for real-time or historical statistics. An NFM-P GUI client can open up to five Statistics Plotter windows, and each window can simultaneously plot up to eight counters. You can maximize or minimize a panel in the Statistics Plotter by clicking on the up or down arrow on the left side of the divider bar between it and the neighboring panel.

You can open a new plot for a specific object using the following:

- contextual menu option in network navigation tree or map
- NFM-P clipboard paste function
- Plotter button on Statistics tab of object properties form

i **Note:** Objects that are not stored in the NFM-P database, such as LSN subscriber hosts, have no Statistics tab on the object properties form; the Plotter button for such an object is on the home tab of the properties form.

See [10.3 “To create a statistics graph”](#) (p. 141) and [10.4 “To modify a statistics graph”](#) (p. 146) for information about creating and modifying plots.

Configuration panel

You use the configuration panel to specify the objects and statistics counters in a graph. You can enter up to eight counters in the panel. If more than one counter from the same monitored object is required, you can click on the Duplicate button and choose the new counter and class. After you choose the counters, you can close the panel to increase the space available for the graph panels. The configuration panel contains the following columns:

- Marker—shows the symbol that marks each data point when markers are enabled
- Plot Name—identifies the plot

- Y Axis—allows you to choose the Y axis for a plot; see [“Choosing the Y axis” \(p. 137\)](#) in this section for information
- Monitored Object—identifies the object of a plot; if an object has child objects that support plotting, the Monitored Object in a new plot is a drop-down menu of the child objects, as shown for plot 4 in [Figure 7, “NFM-P Statistics Plotter” \(p. 134\)](#)
- Statistics Group—allows you to choose the statistics class; an icon beside each class indicates the supported plot types, as described in [Figure 8, “Plotting support indicators” \(p. 135\)](#)
- Statistics Counter—allows you to choose the statistics counter
- Data Format—allows you to choose how the statistics data is quantified; see [“Statistics data formats” \(p. 137\)](#) in this section for information

Detail panel

The detail panel contains the plotted statistics line graphs. The panel can contain historical or real-time graphs, but not both.

Real-time statistics are plotted as they are collected. Historical plotting uses the data stored in the NFM-P database. For real-time statistics, you can enable or disable automatic scrolling. See [“Overview panel” \(p. 136\)](#) in this section for more information.

You can zoom in and out on a graph, and can enable or disable the display of markers and a legend that includes the monitored object name. Markers are useful for identifying different lines, for example, when a graph is printed in black and white. You can save a graph as an image, with or without the legend information or markers.

You can enable or disable the X, Y1, and Y2 grid lines. The Y1 and Y2 grid lines are displayed only when the corresponding Y axis is enabled. See [“Choosing the Y axis” \(p. 137\)](#) for more information about the Y1 and Y2 axes.

Overview panel

The overview panel displays a high-level view of the plot data. The shaded box in the panel, which is called the slider, contains the plot area that is displayed in the detail panel. When you double-click on the slider, you can set automatic scrolling to on or off. The slider is green when automatic scrolling is enabled, and red when it is disabled. You can click on the slider and drag it horizontally to change the display in the detail panel. When the slider is not selected and real-time statistics are being plotted, the slider automatically scrolls to show the latest statistics. When automatic scrolling is disabled, the detail panel statically displays the plot area shown in the slider.

Data list panel

The data list panel displays the plotted statistics values in a tabular format. You can save the table data to a file in CSV or HTML format. See the *NSP NFM-P User Guide* for information about using the contextual menu in the plot value list heading.

Choosing the Y axis

A statistics graph has one X axis, but can have one or two Y axes. The X axis is a time scale, and a Y axis is a scale for data values. The second Y axis facilitates the viewing of plots whose data scales differ widely, for example, when one set of plotted values is in the range of 900 000 to 1 000 000, and another set of values is in the range of 100 to 500. [Figure 7, “NFM-P Statistics Plotter” \(p. 134\)](#) shows the two Y axes; Y axis 1 is on the left side of the detail panel, and Y axis 2 is on the right side.

You specify the Y axis for a plot using the Y Axis drop-down menu in the configuration panel. The graph legend indicates which Y axis is associated with each plot, as shown in [Figure 7, “NFM-P Statistics Plotter” \(p. 134\)](#).

Statistics data formats

Using the Data Format column in the configuration panel, you can choose how the statistics data is represented in a plot. Depending on the type of object and statistics counter, the following options are available:

- Raw—displays the current counter value, which is cumulative
- Periodic—displays the periodic counter value, which is the difference between the current and previous raw counter values
- Rate (*units*)—displays a normalized throughput value; you can choose from rates such as bps, kbps, Mbps, or Gbps

10.1.3 Plotting real-time statistics data

The Statistics Plotter has a configurable polling interval and retention period for real-time statistics collection. The retention period specifies how long the NFM-P collects real-time statistics before it deletes the oldest sample. For example, at a sampling rate of 10 seconds, the plotter stores 8640 samples per counter in one day. The retention period and a default polling interval are configured on the User Preferences form; see the *NSP NFM-P User Guide*.

The detail and data list panels indicate when a real-time statistic is missing from a plot. The detail panel plot markers in the plot list panel Markers column change from solid to dark grey with the marker color as the border. The data list panel displays N/A or Data Missing instead of a data value.

- N/A indicates that events are skewed. For example, there is data event plot for plot 1 and plot 2 at time T1, and a data event plot for plot 3 and plot 4 at time T2. Accordingly, the table row displays N/A for plot 3 and plot 4 at time T1, and for plot 1 and plot 2 at time T2. N/A is displayed whenever the same graph plots counters from different classes or different NEs.
- Data Missing indicates an error during statistics collection. Data Missing is displayed when an NE reports an error or when the polling interval elapses before the response to a previous poll arrives.

You can remove a plot at any time during real-time statistics collection; the plot disappears immediately from the detail and data list panels.

10.1.4 Plotting utilization statistics

The NFM-P can plot ingress and egress utilization statistics using calculated values. Plotted utilization statistics provide a quickly accessible view of the bandwidth usage, on a specified port or channel, in graphical and tabular form.

Ingress utilization statistics represent the received total octets during a collection interval, expressed as a percentage of the port bandwidth. Egress utilization statistics represent the transmitted total octets during a collection interval, expressed as a percentage of the port bandwidth.

You can plot the utilization statistics for all physical ports. Utilization statistics are available for members of the following objects, but not for the objects themselves:

- LAGs
- bundles
- TDM channel groups
- CCAGs
- SONET TUG3s
- SONET tributaries

See [10.5 “To plot utilization statistics” \(p. 147\)](#) for information about how to plot utilization statistics.

10.1.5 Plotter profiles

The NFM-P provides default statistics plotter profiles that you can use to generate customized statistics plots. This enables you to save a specific plotter configuration, for example, a set of queues to monitor, and later apply it to the same type of object. After you save a customized profile, you can use a right-click menu option on an object of the same type to open a plotter window. The window is automatically populated with the statistics counter information in the profile.

The right-click contextual menu for plotter profiles is available for objects in the network navigation tree and map, depending on the object type. The menu is available to all users, but a user with the Administrator or Statistics Plotter Profile Management role can specify whether a specific profile is included in the menu for other users.

i **Note:** Only an Administrator or Statistics Plotter Profile Management user can create and delete customized profiles.

You cannot delete a default profile.

To list and view profiles, use the Statistics Plotter Profiles form, which lists all profiles, or a contextual menu option that lists the profiles that are specific to a type of object. Default profiles are available for objects that include the following:

- dynamic LSPs

- L3 SAPs
- MPLS interfaces
- physical and virtual ports

You can create a customized profile directly from the plotter window, or use a default profile as a template to create a customized profile. See [10.6 “To create a customized plotter profile” \(p. 148\)](#) for information about creating customized plotter profiles. See [10.7 “To plot statistics using a plotter profile” \(p. 150\)](#) for information about how to create a plot using a plotter profile.

Link endpoint profiles

When you create a plot for a port that is a link endpoint, you can enable the automatic plotting of the same counters for the port at the other end of the link. If the function is enabled in a plotter profile, the profile is accessible from links of the same type in topology maps. Using a right-click menu option, you can quickly plot and compare counter data for both endpoints of a link to monitor or troubleshoot the link.

Workflow for graphing statistics

10.2 Workflow

10.2.1 Process

- 1 _____
Configure statistics collection for the equipment or logical object that is the source of the statistics data to be plotted.

- 2 _____
Create a real-time or historical statistics graph; see [10.3 “To create a statistics graph” \(p. 141\)](#) .

- 3 _____
Modify a real-time or historical statistics graph; see [10.4 “To modify a statistics graph” \(p. 146\)](#) .

- 4 _____
Create a customized plotter profile, if required; see [10.6 “To create a customized plotter profile” \(p. 148\)](#) .

- 5 _____
Use a default or customized plotter profile to plot statistics; see [10.7 “To plot statistics using a plotter profile” \(p. 150\)](#) .

Graphing statistics procedures

10.3 To create a statistics graph

10.3.1 Purpose

Perform this procedure to graphically plot statistics data for one or more objects.

10.3.2 Steps

1

Perform one of the following.

- a. Use a contextual menu option. Right-click on a map or network navigation tree object and choose Plotter→New Plot or Plotter→*profile_name* from the contextual menu. The Statistics Plotter form opens with a plot entry for the object listed in the configuration panel.
- b. Use the Copy to Clipboard function. Perform the following steps.
 1. Right-click on a GUI object and choose Copy to Clipboard from the contextual menu, or select an object on a list form and click on the Copy to Clipboard button.
 2. Choose Tools→Statistics→Statistics Plotter→New Plot from the NFM-P main menu. The Statistics Plotter form opens.
 3. Click on the Paste from Clipboard button or right-click in the configuration panel and choose Paste from Clipboard from the contextual menu. A plot entry for the object is listed in the configuration panel.
- c. Use the Plotter button. Perform the following steps.
 1. Open the properties form for an object.
 2. Click on the Statistics tab.

Note:

Objects that are not stored in the NFM-P database, such as LSN or ESM subscriber hosts, have no Statistics tab on the object properties form; the Plotter button for such an object is on the home tab of the properties form.

3. Choose a statistics class from the object drop-down menu, if required.

Note:

The icon beside each class indicates the plot types that the class supports. See [Figure 8, "Plotting support indicators" \(p. 135\)](#) for the icon descriptions.

4. Click on the Search button to view statistics record entries for scheduled collections of the selected statistics class.
5. Select a statistics record.
6. Click on the Plotter button and choose New Plot from the drop-down menu.

The Statistics Plotter form opens with a plot entry for the object listed in the configuration panel.

2

If the Monitored Object field for the plot entry displays a drop-down arrow, as shown for plot 4 in [Figure 7, “NFM-P Statistics Plotter” \(p. 134\)](#), the object has child objects. Use the Monitored Object drop-down menu to specify a child object, if required.

3

Use the Statistics Group drop-down menu to specify a statistics group.

Additional configurable columns are displayed in the configuration panel if the chosen statistics group has filterable attributes. The columns allow you to filter the statistics. Perform the following steps to configure a filter, as required.

1. Click on an up or down arrow in a column heading to specify an enumerated entry such as a queue ID.
2. Double-click in a text-based column heading and type in a value.

Note:

The NFM-P does not validate a typed entry. You must type an entire entry correctly to generate the expected filter output.

4

Use the Statistics Counter drop-down menu to specify a statistics counter.

5

Use the Data Format drop-down menu to specify how the counter data is quantified.

6

Use the Y Axis drop-down menu to specify the Y axis that the plot is to use.

7

Add a plot to the graph, if required. Perform one of the following.

- a. Use an existing plot as a template. Perform the following steps.
 1. Select a plot entry in the list and click on the Duplicate button. A duplicate plot entry is created.
 2. Customize the plot parameters, as described in [Step 2](#) to [Step 6](#).
- b. Add a plot using a new object. Repeat [Step 1](#) to [Step 6](#).

8

Repeat [Step 7](#) to add another plot, as required.

i **Note:** A statistics graph can contain up to eight plots. Each plotted Statistics Counter and Managed Object combination must be unique.

9

Perform one of the following.

i **Note:** Real-time statistics plotting is supported for network performance, server performance, and MIB-based accounting statistics. Historical statistics plotting is supported for network performance, server performance, and accounting statistics. Each plot must be unique. The NFM-P deletes the older plot if you attempt to create a duplicate a plot in this step.

- a. To create a real-time statistics graph, perform the following steps.
 1. Choose a polling interval from the Real-time Polling Interval drop-down menu, or enter a value between 10 and 3600.

The default polling interval is configured on the User Preferences form; see the *NSP NFM-P User Guide*.
 2. Click on the Real-time Plot button. The detail panel displays the plotted statistics using the configured polling interval.

Note:
You do not have to stop real-time statistics collection to add or remove plots.
- b. To create a graph using historical statistics, perform the following steps.
 1. Configure the historical plot start time using the left-hand time field in the configuration panel.
 2. Configure the historical plot end time using the right-hand time field in the configuration panel.
 3. Click on the Historical Plot button. The statistics are retrieved from the database and plotted in the detail panel.

10

If you are plotting statistics data for an object that has physical endpoints, such as a physical link or an optical link, you can plot statistics data for the other endpoint by performing the following steps.

1. Select the plot in the configuration panel that you want to duplicate for the opposite endpoint.
2. Click on the Plot Other Endpoint(s) button. A plot entry for the other link endpoint is added to the configuration panel, and the plot is added to the graph.

11

Perform one or more of the following to modify the detail panel display.

- a. To display a plot tool tip, move the mouse pointer over the data points in the detail

panel. A tool tip identifies the plot number, the statistics collection interval, and the data value at that point.

- b. To change the view displayed in the detail panel, click on the slider in the overview panel and drag it horizontally.



Note: When the slider is not selected and real-time statistics are being collected, the slider autoscrolls to display the latest statistics.

- c. To turn off autoscrolling, double-click on the slider. The slider color changes to red.
- d. To resize the objects in the detail panel, click on the Zoom in Tool and Zoom out Tool buttons; click on the Reset Zoom tool button to return to the default zoom level.
- e. To display the data points for each plot using markers, select the Markers check box.
- f. To display the legend elements, perform the following steps.
 1. Select the Legend check box.
 2. To include the minimum, maximum, and average plot values in the legend, select the MinMaxAvg check box.

Note:

The source of the values in the legend is the plot range displayed in the detail panel. If you move the slider to display a different plot range, the values are recalculated.

- g. To display the X-axis grid lines, select the Grid X check box.
- h. To display the Y1 grid lines, select the Grid Y1 check box. The grid lines are displayed only when the Y1 axis is used by a plot.
- i. To display the Y2 grid lines, select the Grid Y2 check box. The grid lines are displayed only when the Y2 axis is used by a plot.
- j. Perform the following steps to hide a plot. This may be required when plots in the detail panel overlap.



Note: Statistics data collection for a plot does not stop when the plot is hidden; only the display of the plotted data is suppressed.

1. Right-click on the data list panel header row and choose Column Display. The Column Display form opens.
2. Select the plot to hide in the Displayed on Table list and click on the left arrow button. The selected plot moves to the Available for Table list.
3. Click on the OK button. The plot information is removed from the detail and data list panels.
4. To show the plot in the detail panel, right-click in the column heading of the data list panel and choose Plot n from the contextual menu, where n is the plot

to show. A check mark is displayed beside the plot in the contextual menu and the plot is displayed in the detail and data list panels.

- k. Perform the following steps to show a previously hidden plot.
 1. Right-click on the data list panel header row and choose Column Display. The Column Display form opens.
 2. Select the plot to show in the Available for Table list and click on the right arrow button. The selected plot moves to the Displayed on Table list.
 3. Click on the OK button. The plot information is restored in the detail and data list panels.

12

To change the parameters of a plot, perform the following steps.

1. Select the plot entry in the configuration panel and click on the Clear button. The plot is removed from the detail and data list panels.
2. Customize the plot parameters, as described in [Step 2](#) to [Step 6](#).

13

To remove a plot entirely, perform the following steps.

1. Select the plot entry in the configuration panel and click on the Clear button. The plot is removed from the detail and data list panels.
2. Click on the Remove button. The plot is removed from the Statistics Plotter window.

14

To stop all plotting, click on the Stop button. The plotting of each counter stops.

15

To switch from real-time to historical plotting, perform the following steps.

1. Click on the Stop button.
2. Configure the historical plot start and end times to specify the time range of the plot.
3. Click on the Historical Plot button. The detail panel clears, and the statistics are retrieved from the database and plotted.

16

To switch from historical to real-time plotting, perform the following steps.

1. Choose a polling interval from the real-time polling interval drop-down menu, or type a value between 10 and 3600 seconds.
2. Click on the Real-time Plot button. The detail panel clears and real-time statistics plotting begins.

17

To save the plotter view, perform the following steps.

i **Note:** Only the graphics information in the detail panel is saved. To change the view in the detail panel before you save the results, use the slider or the zoom buttons.
If the Legend check box is selected, the legend is saved with the statistics graph results.

1. Click on the Save Current View button. The Save As form opens.
2. Use the form to specify a file location and file type.
3. Click on the Save button. The Save As form closes, and the graph is saved in the specified file.

18

Perform the following steps to save the statistics table results, if required.

1. Right-click on the plot value list heading and choose Save To File from the contextual menu. The Save form opens.
2. Use the form to specify a file location and file type.
3. Click on the Save button. The Save As form closes, and the tabulated plot information is saved in the specified file.

19

Close the Statistics Plotter window.

i **Note:** The Statistics Plotter window cannot be saved. When you close a Statistics Plotter window, the data in the window is deleted.

END OF STEPS

10.4 To modify a statistics graph

10.4.1 Purpose

Perform this procedure to modify an existing statistics graph that contains one or more plots.

10.4.2 Steps

1

Perform one of the following.

- a. Use a contextual menu option. Right-click on a map or network navigation tree object and choose Plotter→# Statistics Plotter (#) from the contextual menu. The

Statistics Plotter form opens.

- b. Open a Statistics Plotter form. Choose Tools→Statistics→Statistics Plotter→# Statistics Plotter (#) from the NFM-P main menu. The Statistics Plotter form opens.
- c. Add an object to the Statistics Plotter form. Perform the following steps.
 1. Choose the object on which to modify a statistics graph.
 2. Locate the object in the network navigation tree.
 3. Right-click on the object in the navigation tree and choose Properties from the contextual menu. The object properties form opens with the General tab displayed.
 4. Click on the Statistics tab.
 5. Choose a statistics class from the object drop-down menu.

Note:

The icon beside each class indicates the plot types that the class supports. See [Figure 8, “Plotting support indicators” \(p. 135\)](#) for the icon descriptions.

6. Click on the Plotter button and choose Statistics Plotter (#) from the drop-down menu. The Statistics Plotter form opens with the current plot information displayed.

Note:

A statistics graph can plot up to eight statistics counters. The statistics counters can be same only for different objects. If only one object is the source of the statistics, each counter must be unique.

If the Statistics Plotter (#) menu item is not available, the Statistics Plotter does not support the selected object type.

2

Perform [Step 3](#) to [Step 19](#) of [10.3 “To create a statistics graph” \(p. 141\)](#) to configure the plot parameters.

END OF STEPS

10.5 To plot utilization statistics

10.5.1 Purpose

Perform this procedure to plot the utilization percentage of a port or channel object.

10.5.2 Steps

- 1 _____
Open a new plot for the object, as described in [Step 1 of 10.3 “To create a statistics graph” \(p. 141\)](#) .
- 2 _____
Use the Statistics Group drop-down menu to specify Interface Additional Stats.
- 3 _____
Perform one of the following.
 - a. Use the Statistics Counter drop-down menu to specify Ingress Utilization.
 - b. Use the Statistics Counter drop-down menu to specify Egress Utilization.
- 4 _____
Start the plotting of real-time or historical utilization statistics, as described in [Step 9 of 10.3 “To create a statistics graph” \(p. 141\)](#) .

END OF STEPS _____

10.6 To create a customized plotter profile

10.6.1 Purpose

Perform this procedure to create a customized plotter profile.

i **Note:** Only a user with the Admin or Statistics Plotter Profile Management scope of command role can create a custom profile.

10.6.2 Steps

- 1 _____
Perform one of the following.
 - a. If the object of the profile is a dynamic LSP, perform the following steps.
 1. Open the dynamic LSP properties form.
 2. Click on the Statistics tab.
 3. Click on the Plotter button, or click on the More Actions button and choose Plotter if the Plotter button is dimmed.
 - b. If the object of the profile is not a dynamic LSP, right-click on the object, for example, a physical port in the network navigation tree, and choose Plotter.

2

Perform one of the following.

- a. Choose New Plot from the Plotter contextual menu. The Statistics Plotter window opens.
- b. Choose *profile_name*→New Plot from the contextual menu.

3

Customize the plot, as described in [Step 3 to Step 19 of 10.3 "To create a statistics graph" \(p. 141\)](#).

4

Click on the Save Profile(s) button. The Plotter Profile (Create) form opens.

5

Configure the parameters:

- Name
- Description
- Display in Menus
- Include Other Endpoint(s)



Note: The Include Other Endpoint(s) parameter is configurable only when the monitored object is a port.

To make the profile accessible as a right-click menu option for links in topology maps, you must select the Include Other Endpoint(s) parameter.

6

To change the Y axis of a plot in the profile, perform the following steps.

1. Click on the Plots tab.
2. Select a plot in the list and click on the Properties button. The Plot Profile Entry (Edit) form opens.
3. Configure the Y Axis parameter.
4. Click on the OK button. The Plot Profile Entry (Edit) form closes.

7

Click on the OK button. The Plotter Profile (Create) form closes. The new plotter profile is available for objects of the same type.

END OF STEPS

10.7 To plot statistics using a plotter profile

10.7.1 Purpose

Perform this procedure to open a plot based on the criteria in a plotter profile.

10.7.2 Steps

- 1 _____
Perform [10.6 “To create a customized plotter profile” \(p. 148\)](#) to create a customized plotter profile, if the required profile does not exist.
 - 2 _____
Perform one of the following.
 - a. If the object of the plot is a dynamic LSP, perform the following steps.
 1. Open the dynamic LSP properties form.
 2. Click on the Statistics tab.
 3. Click on the Plotter button, or click on the More Actions button and choose Plotter if the Plotter button is dimmed.
 - b. If the object of the plot is a link in a topology map, perform the following steps.
 1. Right-click on the link and choose Expand Group from the contextual menu.
 2. Right-click on the link and choose Plotter from the contextual menu.
 - c. Right-click on a map or network navigation tree object, and choose Plotter from the contextual menu.
 - 3 _____
Choose *profile_name*→New Plot from the Plotter contextual menu. The Statistics Plotter opens and begins to plot the statistics data for the counters in the profile.
 - 4 _____
When you are finished viewing the plot, close the Statistics Plotter window.
- END OF STEPS _____

10.8 To manage plotter profiles

10.8.1 Purpose

Perform this procedure to list, view, or delete statistics plotter profiles.

10.8.2 Steps

1

To list all plotter profiles that apply to a specific type of object, perform one of the following.

a. For a dynamic LSP, perform the following steps.

1. Open the dynamic LSP properties form.
2. Click on the Statistics tab.
3. Click on the Plotter button, or click on the More Actions button and choose Plotter if the Plotter button is dimmed, and choose View All Profiles from the contextual menu.

b. For an object in the network navigation tree, right-click on the object and choose Plotter→View All Profiles from the contextual menu.

The View All Profiles form opens. The form lists the default and customized plotter profiles that are selectable for the object type.

2

To list all plotter profiles, choose Tools→Statistics→Statistics Plotter Profiles from the NFM-P main menu. The Statistics Plotter Profiles form opens.

3

To delete a profile, perform the following steps.



Note: Only a user with the Admin or Statistics Plotter Profile Management scope of command role can delete a custom profile.
You cannot delete a default profile.

1. Select the profile in the list and click on the Delete button. A dialog box appears.
2. Click on the Yes button. The profile is deleted and removed from the list.

4

Close the View All Profiles form.

END OF STEPS

Part IV: Statistics content

Overview

Purpose

This volume contains a description of the statistics record format for supported statistics types in the NFM-P.

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11 Statistics record format

Statistics record format in the NFM-P

11.1 Overview

11.1.1 Supported statistics types

Table 5 NFM-P supported statistics types

Statistics type	Description
Performance	Performance statistics provide categorized information about network throughput. Performance statistics are SNMP-based, and acquired by sending SNMP queries to network elements.
Accounting	There are three main classes of accounting policy: service, network, and subscriber. Accounting statistics are aggregated in files on network elements, and then transferred to the NFM-P on request.
Server performance	Server performance statistics include NFM-P component performance indicators regarding memory usage, JMS activity, alarm activity, SNMP trap receipt, statistics collection and processing, and NE resynchronization.
Internal statistics	Internal statistics are NFM-P process performance counters that Nokia technical support use for system troubleshooting.

Performance statistics

11.2 Overview

11.2.1 General information

Performance statistics provide categorized information about network throughput, and are obtained using SNMP. The information in a performance statistics record includes the following:

- collection timestamp
- collection record type
- source device and object identifiers
- Suspect indicator that indicates a problem with the collected statistics; for example, when an NE is unresponsive to SNMP requests
- statistics counters that contain the raw data

When the Suspect indicator in a record is set, the counters in the record contain the following values:

- periodic counters—zero
- non-periodic counters—the value of the same counter in the most recent non-suspect record

After a suspect record collection, the next non-suspect record may contain a large value that is seen as a dramatic increase. Such an increase skews the data value for the interval and may result in misinterpretation. To alleviate this, an operator can configure a System Preferences parameter to increase, rather than reset, the Periodic Time value after the collection of a suspect record. For example, for a 15-minute collection interval, if one record is suspect and the next is not, the periodic time of the second record is recorded as 30 minutes. In this way, the NFM-P presents the first non-suspect record collected after a collection failure using a more realistic average value. See the *NSP NFM-P System Administrator Guide* for information about setting system preferences.

Table 6 Performance statistics record properties

Property	Description
Monitored Object	Unique identifier of the object from which the statistics are collected
Monitored Object Name	Name of the object from which the statistics are collected
Periodic Time	Number of milliseconds since previous statistics collection

Table 6 Performance statistics record properties (continued)

Property	Description
Record Type	The type of record, based on the following collection types: <ul style="list-style-type: none"> • Scheduled Full Performed according to a user-configurable schedule • On-demand Performed immediately at the request of an NFM-P operator
Site ID	NE identifier
Site Name	NE name
Suspect	Indicates a statistics collection failure.
Time Captured	Unix Epoch time at which the statistics were collected and the NFM-P adds the log to the database
Time Logged	Time at which the NFM-P receives the SNMP get-response

Table 7 Performance statistics data types and examples

NE data type	NFM-P data type	Example
Counter32	long	32-bit counter such as Received Octets in the Interface Stats group
Gauge32		
Unsigned32		
TimeStamp		
Counter64	UINT128	64-bit counter such as Received Broadcast Packets in the Interface Additional Stats group
Integer32	double	Radio output power, in tenths of dBm; NFM-P converts to dBm
Integer32	float	Port output power, in tenths of μ W
Integer32	int	Small value, such as index, enumerator, or identifier
TruthValue	Boolean	State indicator
various	String	MAC address, object name

Accounting statistics

11.3 Overview

11.3.1 General information

Accounting statistics are available for network ports, SAPs, SDPs, and subscribers. Service accounting statistics typically provide service-usage data for billing requirements. Network accounting statistics provide service-quality data for SLA QoS compliance requirements. Subscriber accounting statistics provide subscriber profile usage information for billing and SLA compliance.

The information in an accounting statistics record includes the following:

- collection timestamp
- collection record type
- source device and object identifiers
- statistics counters that contain the raw data

Table 8 Accounting policy types

Accounting policy type	Policy name and description	NE acronym
Application assurance	AA Application—octet, packet, and flow counters for applications	aaApp
	AA Application Group—octet, packet, and flow counters for application groups	aaAppGrp
	AA Protocol—octet, packet, and flow counters for protocols	aaProt
	AA Subscriber Application—octet, packet, and flow counters for applications per subscriber	aaSubApp
	AA Subscriber Protocol—octet, packet, and flow counters for protocols per subscriber	aaSubProt
	AA Subscriber Custom Record—octet, packet, and flow counters per subscriber	aaSubCustom
	AA Performance - Application Assurance performance-oriented performance for a particular group and ISA-AA MDA	aaPerformance

Table 8 Accounting policy types (continued)

Accounting policy type	Policy name and description	NE acronym
Network	Combined MPLS LSP Egress—counters for egress data path at ingress LER	mplsLspEgr
	Combined MPLS LSP Ingress—counters for ingress data path at egress LER	mplsLspIn
	Combined Network Ing Egr Octets—octet counters for ingress and egress network port queues	cmNio, cmNeo
	Combined Network Ing Egr Packets—packet counters for ingress and egress network port queues	cmNip, cmNep
	Combined Queue Groups—packet and octet counters for ingress and egress service queue groups and egress network queue groups	cmQgse, cmQgsi, cmQgne
	Network Egress Octet—octet counters for egress network port queues	neo
	Network Ingress Octet—octet counters for ingress network port queues	nio
	Network Egress Packet—packet counters for egress network port queues	nep
	Network Ingress Packet—packet counters for ingress network port queues	nip
	Queue Group Octets—octet counters for ingress and egress service queue groups and egress network queue groups	qgose, qgosi, qgone
	Queue Group Packets—packet counters for ingress and egress service queue groups and egress network queue groups	qgpse, qgpsi, qgpne

Table 8 Accounting policy types (continued)

Accounting policy type	Policy name and description	NE acronym
Service	Combined Service Ing Egr Octets—octet counters for ingress and egress SAP queues	cmSio, cmSeo
	Combined Service Ingress—packet and octet counters for ingress SAP queues	cmSipo
	Combined Service SDP Ingress Egress—per-service packet and octet counters on ingress and egress SDPs	cmSdpipe, cmSdpepo
	Compact Service Ingress Octets—octet counters for ingress SAP queues	ctSio
	Complete Service Ingress Egress—packet and octet counters for ingress SAP queues	cpSipo, cpSepa
	Complete Service SDP Ingress Egress—packet and octet counters on ingress and egress SDPs	cmSdpipe, cmSdpepo, cpSdpipe, cpSdpepo
	Custom Record Service—user-specified Complete Service Ingress Egress counters	cpSipo, cpSepa
	Service Egress Octet—octet counters for egress SAP queues	seo
	Service Ingress Octet—octet counters for ingress SAP queues	sio
	Service Egress Packet—packet counters for egress SAP queues	sep
	Service Ingress Packet—packet counters for ingress SAP queues	sip
Subscriber	Complete Subscriber Ingress Egress—per-subscriber packet and octet counters for ingress and egress SAP queues	cpSBipo, cpSBepa
	Subscriber Custom Record—user-specified Complete Subscriber Ingress Egress counters	cpSBipo, cpSBepa, cpSBipoo, cpSBepoo

Table 9 Accounting statistics record properties

Property	Description
Forwarding Class	Forwarding class associated with a queue
Lag Port	Identifies a LAG port
Monitored Object	Detailed information about the object for which the statistics are collected

Table 9 Accounting statistics record properties (continued)

Property	Description
Monitored Object Name	Name of the object for which the statistics are collected
Periodic Time	Not applicable to accounting statistics
Port Id	Identifies a port
Queue Id	Identifies a hardware queue
Record Type	Type of collection, for example, Scheduled Full
Sap Id	Physical port identifier portion of a SAP definition
Sdp Id	Identifies an SDP
Site ID	Identifies a site
Site Name	Identifies the name of a site
SlaProfile Id	Identifies the value assigned to an SLA profile
Group ID	Identifies the ISA-AA group
Partition ID	Identifies the partition ID within an ISA-AA group
Subscriber Id	Identifies a subscriber
Subscriber Profile Id	Identifies a subscriber profile
Svc Id	Identifies a service
Time Captured	Time when the NFM-P starts to process the data file collected from the NE
Time Recorded	Time when the statistics were collected on the NE
Final Count	Contains a value greater than zero when a subscriber or SAP is deleted after the previous collection. The value represents the ordinal of the deleted object; for example, if the object is the first object deleted since the previous collection, the value is 1; the property has a value of 2 in the record of the second object deleted during the same collection interval, and so on.

All accounting statistics share certain common properties, with some additional properties for each statistic type.

Table 10 Accounting statistics common properties

Statistic Type	Properties
All	<ul style="list-style-type: none"> • Time Captured • Record Type • Monitored Object • Monitored Object Name • Site Name • Site ID • Periodic Time • Time Recorded
Service	<ul style="list-style-type: none"> • Sap Id • Svc Id • Sdp Id • Queue Id • Final Count
Network	<ul style="list-style-type: none"> • Forwarding Class • Lag Port • Port Id • Queue Id
Subscriber	<ul style="list-style-type: none"> • Subscriber Id • Subscriber Profile Id • Sla Profile Id
AA	<ul style="list-style-type: none"> • Group ID • Partition ID

Table 11 Accounting statistics counter definitions

Counter name	Definition
All Octets Offered All Packets Offered	Offered packets enter a queue and are dropped or forwarded. An octet value is a packet value expressed in Bytes.
Forwarding Class	The forwarding class of the traffic; this is a classification rather than a counter

Table 11 Accounting statistics counter definitions (continued)

Counter name	Definition
High Octets Dropped High Octets Offered High Pkts Dropped High Pkts Offered High Priority Octets Dropped High Priority Octets Offered High Priority Pkts Dropped High Priority Pkts Offered	High-priority packets for a traffic class are marked as in-profile on the ingress classification or based on the forwarding class of the packet. High-priority forwarding classes include nc, h1, ef, and h2. See the appropriate node's QoS guide for more information about forwarding class scheduler mapping. Offered packets enter a queue and are dropped or forwarded. Dropped packets are not forwarded through a queue. An octet value is a packet value expressed in Bytes.
In Profile Octets Dropped In Profile Octets Forwarded In Profile Packets Forwarded In Profile Pkts Dropped In Profile Pkts Forwarded	In-profile packets are received at a rate that is lower than the queue CIR. Forwarded packets are sent to an egress queue. Dropped packets are not forwarded through a queue. An octet value is a packet value expressed in Bytes.
Long Duration Flows	Subscriber host application sessions that are longer than 180s in duration
Low Octets Dropped Low Octets Offered Low Pkts Dropped Low Pkts Offered Low Priority Octets Dropped Low Priority Octets Offered Low Priority Pkts Dropped Low Priority Pkts Offered	Low-priority packets for a traffic class are marked as out-of-profile on the ingress classification or based on the forwarding class of the packet. Low-priority forwarding classes include l1, af, l2, and be. See the appropriate node's QoS guide for more information about forwarding class scheduler mapping. Offered packets enter a queue and are dropped or forwarded. Dropped packets are not forwarded through a queue. An octet value is a packet value expressed in Bytes.
Medium Duration Flows	Subscriber host application sessions that are 180s or less in duration
Net to Sub Active Flows Net to Sub Admit Flows Net to Sub Admit Octets Net to Sub Admit Pkts Net to Sub Deny Flows Net to Sub Deny Octets Net to Sub Deny Pkts	Net to Sub traffic flows from the network to a subscriber. An active flow is a flow that is opened, closed, opened and closed, or continued during a collection interval. Admit objects are objects that are forwarded. Deny objects are objects that are not forwarded. An octet value is a flow or packet value expressed in Bytes.
Num of Subs	The number of subscribers that have the specified flow type

Table 11 Accounting statistics counter definitions (continued)

Counter name	Definition
Out Of Profile Octets Dropped Out Of Profile Octets Forwarded Out of Profile Packets Forwarded Out Of Profile Pkts Dropped Out Of Profile Pkts Forwarded	Out-of -profile packets are received at a rate that is higher than the queue CIR. Forwarded packets are sent to an egress queue. Dropped packets are not forwarded through a queue. An octet value is a packet value expressed in Bytes.
Short Duration Flows	Subscriber host application sessions that are 30s or less in duration
Sub to Net Active Flows Sub to Net Admit Flows Sub to Net Admit Octets Sub to Net Admit Pkts Sub to Net Deny Flows Sub to Net Deny Octets Sub to Net Deny Pkts	Sub to Net traffic flows from a subscriber to the network. An active flow is a flow that is opened, closed, opened and closed, or continued during a collection interval. Admit objects are objects that are forwarded. Deny objects are objects that are not forwarded. An octet value is a flow or packet value expressed in Bytes.
Total Flow Duration	Aggregate duration, in seconds, of the completed flows at the time of collection.
Total Flows Completed	The number of completed flows in each direction
Total Octets Dropped Total Octets Forwarded Total Packets Dropped Total Packets Forwarded	Offered packets enter a queue and are dropped or forwarded. Forwarded packets are sent to an egress queue. Dropped packets are not forwarded through a queue. An octet value is a packet value expressed in Bytes.
Total Term Flows	The number of completed flows in each direction
Uncoloured Octets Offered Uncoloured Packets Offered Uncoloured Pkts Forwarded Uncoloured Pkts Offered	Octets and packets can be modified or colored using color profiles. Color profiling adds the ability to selectively treat packets received on a SAP as in-profile or out-of-profile regardless of the queue forwarding rate. This allows a customer or access device to color a packet out-of-profile with the intention of keeping the in-profile bandwidth for higher-priority packets. Offered packets enter a queue and are dropped or forwarded. Forwarded packets are sent to an egress queue. An octet value is a packet value expressed in Bytes.

Server performance statistics

11.4 Overview

11.4.1 General information

Server performance statistics provide memory usage, alarm counters, and network activity statistics, and are collected on each server in an NFM-P server cluster. The information in a performance statistic record includes the following:

- collection timestamp
- collection record type
- source object identifiers
- statistics counters that contain the raw data

Table 12 Server performance statistics properties

Properties	Description
Monitored Object	Detailed information about the object for which the statistics are collected
Monitored Object Name	Name of the object for which the statistics are collected
Periodic Time	Time difference between one data record collection period and the next
Record Type	Type of collection, for example, Scheduled Full or On-demand
Time Captured	Time when the statistics were collected

Table 13 Monitored NFM-P servers per statistics policy

Server performance statistics policy	Monitored servers
Alarm Rate	Main server
Application Assurance Statistics Collection	Main server Auxiliary server
Assurance Event Rate	Main server
Call Trace	Main server
CPAM BGP AS Events	Main server
Debug Call Trace	Main server

Table 13 Monitored NFM-P servers per statistics policy (continued)

Server performance statistics policy	Monitored servers
JMS Durable Sessions	JMS server
JMS Topic	JMS server
NFM-P Event Log	Main server
Node Resync	Main server
OAM PM event	Main server Auxiliary server
PCMD Collector	Auxiliary server
Publisher CPAM Event	Main server
Publisher MAP Event	Main server
Publisher Object Event	Main server
Publisher Queue Event	Main server
Publisher Realtime Event	Main server
Publisher XML Event	Main server
Server Memory	Main server Auxiliary server JMS server
SNMP Trap	Main server
Statistics Collection	Main server Auxiliary server
STM Event	Main server
TCA Rate	Main server
XML API Find to File Request	Main server
XML API Request	Main server
XML Find Request	Main server

Table 14 Server performance statistics counter information

Server performance statistics class	Counter name	Counter description
Alarm Rate	Alarm Total	Total number of alarms
	Cleared	Count of cleared alarms
	Condition	Count of condition alarms
	Critical	Count of critical alarms
	Indeterminate	Count of indeterminate alarms
	Info	Count of information alarms
	Major	Count of major alarms
	Minor	Count of minor alarms
	Warning	Count of warning alarms

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
Application Assurance Statistics Collection (subset of Statistics Collection)	Maximum Processing Time	Maximum processing time for AA statistics files during the collection interval
	Minimum Processing Time	Minimum processing time for AA statistics files during the collection interval
	Total Processing Time	Total processing time for AA statistics files during the collection interval
	Average Processing Time	Average processing time for AA statistics files during the collection interval
	AA Stats Failure	Number of AA statistics files that have not been processed due to errors related to transfer or parsing. This count is also included in the AA Stats Failure statistic under the generic Statistics Collection record.
	AA Stats Pending	Number of AA statistics data rows that have been read but not processed. This count is also included in the AA Stats Pending statistic under the generic Statistics Collection record.
	AA Stats Processed	Number of AA statistics data rows processed and converted to NFM-P statistics records. This count is also included in the AA Stats Processed statistic under the generic Statistics Collection record.
	AA Stats Total	Total number of AA statistics data rows read from accounting files. This count is also included in the AA Stats Total statistic under the generic Statistics Collection record.
	File AA Stats Pending	Number of AA files transferred from NEs that are waiting to be processed. This count is also included in the File AA Stats Pending statistic under the generic Statistics Collection record.
	File AA Stats Processed	Number of AA statistics files that have been read and processed into statistics records. This count is also included in the File AA Stats Processed statistic under the generic Statistics Collection record.
File AA Stats Total	Number of AA statistics files that have been transferred from NEs. This count is also included in the File AA Stats Total statistic under the generic Statistics Collection record.	

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
Call Trace	Bad Udp Packet	Count of bad UDP packets
	Dropped Backpressure	Count of UDP packets dropped because of NFM-P server memory limitations
	Dropped Not Managed	Count of UDP packets dropped because the source is not managed by the NFM-P
	File Closed Management Based	Count of closed management-based files
	File Closed Signaling Based	Count of closed signaling-based files
	File Created Management Based	Count of management based files
	File Created Signaling Based	Count of signaling based files
	File Deleted	Count of deleted files
	Incoming	Count of received UDP packets
	Incoming Management Based	Count of received management-based UPOS messages
	Incoming Signaling Based	Count of received signaling-based UPOS messages
	Non Pdu Tag Management Based	Count of received management-based UPOS messages that have no PDU tag
	Non Pdu Tag Signaling Based	Count of received signaling-based UPOS messages that have no PDU tag
	WMM File Failed	Total count of failed files
	WMM File Received	Total count of files that are received

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
Debug Call Trace	Dropped Backpressure	Count of UDP packets dropped because of NFM-P server memory limitations
	Dropped Not Managed	Count of UDP packets dropped because the source is not managed by the NFM-P
	File Closed	Count of closed files
	File Created	Count of created files
	File Deleted	Count of deleted files
	Incoming	Count of received UDP packets
JMS Durable Sessions	Filtered Event Vessel Average Size	Average size of filtered event vessels sent during subscriber session
	Filtered Event Vessel Count	Count of filtered event vessels sent during subscriber session
	Filtered Event Vessel Max Size	Size of largest filtered event vessels sent during subscriber session
	Filtered Event Vessel Min Size	Size of smallest event vessel sent during subscriber session
	Current Message Count	Total messages queued for durable XML subscriber session at collection time
JMS Topic	Max Topic Message Count	The maximum message count in a subscription queue for a topic
	Min Topic Message Count	The minimum message count in a subscription queue for a topic
	Subscription Count	The total subscription count for a topic
	Current Topic Message Count	Total messages in all subscription queues for a topic

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
Node Resync	Scheduled Resync Failure	Count of failed scheduled resynchronizations
	Scheduled Resync Processed	Count of processed scheduled resynchronizations
	Scheduled Resync Received	Count of scheduled resynchronizations received
	Unscheduled Resync Failure	Count of unscheduled resynchronizations
	Unscheduled Resync Processed	Count of processed unscheduled resynchronizations
	Unscheduled Resync Received	Count of unscheduled resynchronizations received
XML API Find Request	Average Request Response Time	Average find request execution time
	Maximum Request Response Time	Maximum find request execution time
	Minimum Request Response Time	Minimum find request execution time
	Requests Failed	Count of find requests that failed execution
	Requests Passed	Count of successfully executed find requests
	Requests Pending	Count of find requests that are being executed
	Requests Received	Count of received find requests; each request is executed upon receipt

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
XML API Find To File Request	Asynchronous Requests Failed	Count of asynchronous findToFile requests that failed execution or were rejected due to queue size exceeded
	Asynchronous Requests Passed	Count of successfully queued and executed asynchronous findToFile requests
	Asynchronous Request sPending	Count of asynchronous findToFile requests that are queued or being executed
	Asynchronous Requests Queued	Count of queued asynchronous findToFile requests
	Asynchronous Requests Received	Count of received asynchronous findToFile requests; Asynchronous requests are queued while awaiting execution
	Asynchronous Requests Rejected Maximum Queue Size Exceeded	Count of asynchronous findToFile requests rejected because the maximum queue size is exceeded
	Average Request Response Time	Average findToFile request execution time; queued time is included for asynchronous requests
	Maximum Request Response Time	Maximum findToFile request execution time; queued time is included for asynchronous requests
	Minimum Request Response Time	Minimum findToFile request execution time; queued time is included for asynchronous requests
	Synchronous Requests Failed	Count of synchronous findToFile requests that failed execution
	Synchronous Requests Passed	Count of successfully executed synchronous findToFile requests
	Synchronous Requests Pending	Count of synchronous findToFile requests that are being executed
	Synchronous Requests Received	Count of received synchronous findToFile requests; each synchronous request is executed upon receipt

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
XML API Request	Average Request Response Time	Average request execution time; includes execution time of failed requests, and excludes execution time of asynchronous findToFile requests
	Maximum Request Response Time	Maximum request execution time; includes execution time of failed requests, and excludes execution time of asynchronous findToFile requests
	Minimum Request Response Time	Minimum request execution time; includes execution time of failed requests, and excludes execution time of asynchronous findToFile requests
	Requests Failed	Count of failed XML API requests, excluding failed asynchronous findToFile requests
	Requests Passed	Count of successfully executed XML API requests
	Requests Pending	Count of XML API requests that are being executed, excluding queued and executing asynchronous findToFile requests
	Requests Received	Count of received XML API requests; each request is executed immediately upon receipt
	Requests Rejected Maximum Connections Exceeded	Count of requests rejected because the maximum number of connections is exceeded
	Requests Rejected Maximum User Connections Exceeded	Count of requests rejected because the maximum number of connections for one user is exceeded
Server Memory	Committed Heap Memory	Total amount of memory allocated for use by code
	Committed Non Heap Memory	Initial amount of memory allocated to the heap
	Init Heat Memory	Initial amount of memory allocated to the heap
	Init Non Heap Memory	Initial amount of memory allocated for use by code
	Max Heap Memory	Maximum number of kbytes occupied by the heap
	Max Non Heap Memory	Maximum number of kbytes occupied by the code
	Used Heap Memory	Number of kbytes currently occupied by the heap
	Used Non Heap Memory	Number of kbytes currently occupied by code

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
SNMP Trap	Dropped Backpressure	Count of traps dropped due to back pressure from the server
	Dropped Duplicate	Count of duplicate traps dropped
	Dropped Full Resync	Count of traps dropped during a full resynchronization
	Dropped Not Managed	Count of traps dropped from unmanaged NEs
	Dropped Out of Sequence	Count of out of sequence traps dropped
	Dropped Trap Disabled	Count of disabled traps dropped
	Dropped Trap Unspecified	Count of unspecified traps dropped
	Incoming	Count of incoming traps

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
Statistics Collection	Accounting Stats Failure	Number of accounting statistics files that have not been processed due to errors related to transfer or parsing
	Accounting Stats Pending	Number of accounting statistics data rows that have been read but not processed
	Accounting Stats Processed	Number of accounting statistics data rows processed and converted to NFM-P statistics records
	Accounting Stats Total	Total number of accounting statistics data rows read from accounting files
	File Accounting Stats Pending	Number of accounting files transferred from NEs and waiting to be processed
	File Accounting Stats Processed	Number of accounting statistics files that have been read and processed into NFM-P statistics records
	File Accounting Stats Total	Total number of accounting statistics files that have been transferred from the NEs
	Scheduled Polling Stats Pending	Number of scheduled performance statistics rows read from the NEs and waiting to be processed
	Scheduled Polling Stats Processed	Number of scheduled performance statistics rows processed and saved to the database
	Scheduled Polling Stats Records	Number of scheduled performance statistics records created through statistics processing; in some case, processing one row of statistics from an NE might result in multiple NFM-P statistics records
	Scheduled Polling Stats Total	Total number scheduled performance statistics rows read from NEs
	Scheduled Stats Failure	Number of scheduled performance statistics collection attempts that have failed due to errors related to reading values from the NE
	Unscheduled Polling Stats Pending	Number of on-demand performance statistics rows read from the NEs and waiting to be processed
	Unscheduled Polling Stats Processed	Number of on-demand performance statistics rows processed and converted to NFM-P statistics records

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
Statistics Collection	Unscheduled Polling Stats Records	Number of on-demand performance statistics records created through statistics processing; in some cases, processing one row of statistics from an NE might result in multiple NFM-P statistics records
	Unscheduled Polling Stats Total	Total number of on-demand performance statistics rows read from NEs
	Unscheduled Stats Failure	Number of on-demand performance statistics collection attempts that have failed due to errors related to reading values from the NE
STM Event	Files Received Count	Number of files received
	Result Processed Count	Number of processed results
	Files Received Count Periodic	Number of files received since the last period
	Result Processed Count Periodic	Number of processed results since the last period

Table 14 Server performance statistics counter information (continued)

Server performance statistics class	Counter name	Counter description
TCA	Alarm Skipped	Number of TCAs not executed because the maximum number of alarms is reached
	Alarmed	Number of TCAs executed
	Cleared	Number of TCAs cleared
	Custom	Number of custom TCAs created for execution
	Custom Executed	Number of custom TCA rules executed
	Custom Pending	Number of custom TCAs created but not yet executed
	Delta	Number of TCAs raised because of a delta
	Drop	Number of drop TCAs created for execution
	Drop Executed	Number of drop TCA rules executed
	Drop Pending	Number of drop TCAs created but not yet executed
	Error	Number of error TCAs created for execution
	Error Executed	Number of error TCA rules executed
	Error Pending	Number of error TCAs created but not yet executed
	Utilization	Number of utilization TCAs created for execution
	Utilization Executed	Number of utilization TCA rules executed
Utilization Pending	Number of utilization TCAs created but not yet executed	

Nokia internal statistics

11.5 Overview

11.5.1 General information

Internal statistics are server performance statistics that track information related to core NFM-P processes. The information provided by these statistics is best used in conjunction with Nokia technical support. For more information about internal statistics, please contact your Nokia support representative. [Table 15, “Internal statistics” \(p. 180\)](#) describes the internal statistics.

11.5.2 NFM-P publisher events

Several internal statistics track the publishing of event messages in the NFM-P, and the status of the publisher queues. Event messages are in XML format and carry information about events in the NFM-P or changes in the database - for example, a user deleting one or more network objects triggers the creation of a Delete Event Vessel event, containing information about the deleted objects. Event messages are sent to the publisher queues and distributed throughout the NFM-P system. The statistics in this section provide information about event messages and the status of the publisher queue. For more information about using NFM-P XML events, see the *NSP NFM-P XML API Developer Guide*.

Some internal statistics are simple counts of the number of event messages published during the collection period, and may not directly correlate to the number of times the triggering event occurred. For example, deleting several objects simultaneously publishes a single Delete Event Vessel event containing all the deleted objects.

Table 15 Internal statistics

Server performance statistics class	Counter name	Counter description
Publisher Map Event	Edge List Event Count	Count of Edge List Events published. This event is triggered when an edge group is modified, for example when the group acquires new child objects.
	Edge Status Event Count	Count of Edge Status Events published. This event is triggered when the status of an edge group changes.
	Incremental Event Count	Count of Incremental Event Count events published. This event is triggered when a client requests incremental command notification.
	Incremental Highlight Event Count	Count of Incremental Highlight Events published. This event is triggered when a client requests incremental command notification for highlighting.
	Map Service Event Count	Abstract count of all publisher map service events. For more information about publisher map service events, contact your Nokia service representative.
	Vertex Status Event Count	Count of Vertex Status Events published. This event is triggered when the status of a vertex changes.
	Vertex Topology Event Count	Count of Vertex Topology Events published. This event is triggered by changes to a topology map, for example when an edge, vertex or group is created or modified.
	Vertex Tree Event Count	Count of Vertex Tree Events published. This event is triggered by changes to a topology tree, for example when a vertex or group is added to or removed from the tree.
	View Event Count	Count of View Events published. This event is triggered by updates to the topology map view and sending view messages.

Table 15 Internal statistics (continued)

Server performance statistics class	Counter name	Counter description
Publisher Object Event	Attribute Value Change Context Event Count	Count of Attribute Value Change Context events published. This event is triggered by changing the attributes of an object, and contains additional attribute information for context.
	Delete Event Vessel Count	Count of Delete Event Vessel events published. This event is triggered when an object is deleted, and contains lists of objects to be deleted.
	Event Vessel Count	Count of event lists sent using the EventVessel event.
	File Available Event Count	Count of File Available Events events published. This event is triggered when the target of an asynchronous findToFile request becomes available.
	Olc Update Completed Event Count	Count of Olc Update Completed events published. This event is triggered by successful updates to the OLC State of an object.
	Text Message Event Count	Count of Text Message Events published. This event is triggered when an NFM-P text message is sent to a user using the text message function.
Publisher Queue	Object Event In Publisher Queue	Number of outstanding events in the object publisher queue
	Reatime Event In Publisher Queue	Number of outstanding events in the real-time publisher queue
	Xml Event In Publisher Queue	Number of outstanding events in the XML publisher queue
Publisher Realtime Event	Realtime Data Communication Failure Count	Count of realtime statistic collection failures caused by a communication error with the node
	Realtime Data Event Count	Count of Realtime Data Events published. This event is triggered when a graph data point is sent.
	Realtime Data Failure Count	Count of realtime statistic collection failures caused by the node failing to retrieve a statistic value.
	Realtime Data Missed Event Count	Count of Realtime Data Missed Events published. This event is triggered when a realtime statistic collection fails due to the NFM-P not receiving the data within the configured collection interval.

Table 15 Internal statistics (continued)

Server performance statistics class	Counter name	Counter description
Publisher XML Event	Alarm Status Change Event Count	Count of Alarm Status Change Events. This event is triggered by changes to the status of an alarm or alarm aggregate.
	Attribute Value Change Event Count	Count of Attribute Value Change Events published. This event is triggered by changing the attributes of an object, and contains information about the changes.
	DB Activity Event Count	Count of database switchovers and failover notifications sent using the DBActivityEvent event. This event is triggered when a switchover or failover begins, and again when it ends.
	Db Connection State Change Event Count	Count of Db Connection State Change Events published. This event is triggered by changes to the database connection state, such as the connection going down or being placed on standby.
	Db Error Event Count	This counter is not currently used by any function.
	Db Proxy State Change Event Count	Count Db Proxy State Change Events published. This event is triggered by changes to the status of the NFM-P database proxy.
	Deployer Event Count	Count of Deployer Events published. This event is triggered by attempting to deploy an object.
	Event Vessel Average Size	Average size of event vessels
	Db Error Event Count	This counter is not currently used by any function.
	Db Proxy State Change Event Count	Count Db Proxy State Change Events published. This event is triggered by changes to the status of the NFM-P database proxy.
	Deployer Event Count	Count of Deployer Events published. This event is triggered by attempting to deploy an object.
	Event Vessel Average Size	Average size of event vessels
	Event Vessel Count	Count of event vessels sent
	Event Vessel Max Size	Size, in bytes, of largest event vessel sent
	Event Vessel Min Size	Size, in bytes, of smallest event vessel sent

Table 15 Internal statistics (continued)

Server performance statistics class	Counter name	Counter description
Publisher XML Event	Exception Event Count	Count of generic exception events
	Filter Change Event Count	Count of changes to the registration filter for a subscribed client
	Keep Alive Event Count	Count of Keep Alive events, sent every five minutes to the OSS.
	Log File Available Event Count	Count of LogFileAvailableEvent events published. This event is triggered when the target of a LogToFile request becomes available.
	Managed Route Event Count	Count of changes to routes managed by the CPAM
	Object Creation Event Count	Count of objects created in the NFM-P
	Object Deletion Event Count	Count of objects deleted in the NFM-P
	Relationship Change Event Count	Count Relationship Change Events published. This event is triggered by changes to the relationships between objects, such as adding or deleting a relationship.
	Script Execution Event Count	Count of scripts executed
	State Change Event Count	Count of stateChangeEvent events sent, containing changes to the state of an object.
	Stats Event Count	Count of Stats Events published. This event is triggered when a polling interval begins or ends.
	Terminate Client Session Count	Count of Terminate Client Session events published. This event is sent to close a client session.

Part V: Performance management statistics

Overview

Purpose

This volume contains device-specific lists of the performance statistics that the NFM-P supports.

The tables in this volume are provided as a reference.

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12 1830 PSS performance statistics counters

12.1 Performance statistics counters

12.1.1 Counters

Table 16 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tnMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tnMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitCount [Egress Hit Count] (tnMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tnMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 17 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 17 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 17 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 17 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 17 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 17 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 17 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tnPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tnPortEntry and tnPortEtherEntry rows must be in the proper state for removal. The tnPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tnPortEtherTable): The tnPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tnPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 18 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 18 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 18 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 18 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 19 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CfmTwoWayDelayStats MIB entry name: tnEthCfmTWDmStatsEntry Entry description: Table description (for tnEthCfmTWDmStatsTable): The tnEthCfmTWDmStatsTable stores information of a Eth-Cfm-Two-Way-Dm bin. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetoam.CfmTwoWayDelayTest		
binId [Bin Id] (tnEthCfmTWDmStatsBin)	int	The bin number, starting with bin 0.
binStatus [Bin Status] (tnEthCfmTWDmStatsBinStatus)	int	This attribute indicates the validity of the bin.
farEndFrameDelayAverage [Far End Frame Delay Average] (tnEthCfmTWDmStats-FarEndFrameDelayAverage)	long	
farEndFrameDelayMax [Far End Frame Delay Max] (tnEthCfmTWDmStats-FarEndFrameDelayMax)	long	
farEndFrameDelayMin [Far End Frame Delay Min] (tnEthCfmTWDmStats-FarEndFrameDelayMin)	long	

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
farEndFrameDelayVariationAverage [Far End Frame Delay Variation Average] (tnEthCfmTWDmStats- FarEndFrameDelayVariationAverage)	long	
farEndFrameDelayVariationMax [Far End Frame Delay Variation Max] (tnEthCfmTWDmStats- FarEndFrameDelayVariationMax)	long	
farEndFrameDelayVariationMin [Far End Frame Delay Variation Min] (tnEthCfmTWDmStats- FarEndFrameDelayVariationMin)	long	
interval [Interval] (tnEthCfmTWDmStatsInterval)	int	The collection interval.
nearEndFrameDelayAverage [Near End Frame Delay Average] (tnEthCfmTWDm- StatsNearEndFrameDelayAverage)	long	
nearEndFrameDelayMax [Near End Frame Delay Max] (tnEthCfmTWDm- StatsNearEndFrameDelayMax)	long	
nearEndFrameDelayMin [Near End Frame Delay Min] (tnEthCfmTWDm- StatsNearEndFrameDelayMin)	long	

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nearEndFrameDelayVariationAverage [Near End Frame Delay Variation Average] (tnEthCfmTWDm- StatsNearEndFrameDelayVariationAverage)	long	
nearEndFrameDelayVariationMax [Near End Frame Delay Variation Max] (tnEthCfmTWDm- StatsNearEndFrameDelayVariationMax)	long	
nearEndFrameDelayVariationMin [Near End Frame Delay Variation Min] (tnEthCfmTWDm- StatsNearEndFrameDelayVariationMin)	long	
roundTripFrameDelayAverage [Round Trip Frame Delay Average] (tnEthCfmTWDmStatsRoundTrip- FrameDelayAverage)	long	
roundTripFrameDelayMax [Round Trip Frame Delay Max] (tnEthCfmTWDmStatsRoundTrip- FrameDelayMax)	long	
roundTripFrameDelayMin [Round Trip Frame Delay Min] (tnEthCfmTWDmStatsRoundTrip- FrameDelayMin)	long	
startTime [Start Time] (tnEthCfmTWDmStatsStartTime)	String	This attribute is the bin collection start date and time.

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalMembers [Total Members] (tnEthCfmTWDmStatsTotalMembers)	long	This attribute is the total number of members in the bin.
CfmTwoWayLMTestStats MIB entry name: tnEthCfmTWLmStatsEntry Entry description: Table description (for tnEthCfmTWLmStatsTable): The tnEthCfmTWLmStatsTable stores information of a Eth-Cfm-Two-Way-Lm bin. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetoam.CfmLMTest		
binId [Bin Id] (tnEthCfmTWLmStatsBin)	int	The bin number, starting with bin 0.
binStatus [Bin Status] (tnEthCfmTWLmStatsBinStatus)	int	This attribute indicates the validity of the bin.
farEndFrameLossRatioAverage [Far End Frame Loss Ratio Average] (tnEthCfmTWLmStatsFarEndFrame- LossRatioAverage)	long	
farEndFrameLossRatioMax [Far End Frame Loss Ratio Max] (tnEthCfmTWLmStatsFarEndFrame- LossRatioMax)	long	

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
farEndFrameLossRatioMin [Far End Frame Loss Ratio Min] (tnEthCfmTWLmStatsFarEndFrame- LossRatioMin)	long	
farEndHighLossIntervals [Far End High Loss Intervals] (tnEthCfmTWLmStatsFarEndHighLoss)	long	This object is the number of high loss intervals (HLI) over time in the far-end direction. High loss interval (HLI) is the availability interval during which the flr is larger than 0.5. The value starts at 0 and increments for every HLI that occurs.
farEndUnavailableIntervals [Far End Unavailable Intervals] (tnEthCfmTWLmStatsFarEndUnavailable)	long	This object contains the number of availability intervals evaluated as unavailable in the far-end direction by this MEP during this collection Interval.
interval [Interval] (tnEthCfmTWLmStatsInterval)	int	The collection interval.
nearEndFrameLossRatioAverage [Near End Frame Loss Ratio Average] (tnEthCfmTWLmStatsNearEndFra- meLossRatioAverage)	long	
nearEndFrameLossRatioMax [Near End Frame Loss Ratio Max] (tnEthCfmTWLmStatsNearEndFra- meLossRatioMax)	long	
nearEndFrameLossRatioMin [Near End Frame Loss Ratio Min] (tnEthCfmTWLmStatsNearEndFra- meLossRatioMin)	long	

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nearEndHighLossIntervals [Near End High Loss Intervals] (tnEthCfmTWLmStatsNearEndHighLoss)	long	This object is the number of high loss intervals (HLI) over time in the near-end direction. High loss interval (HLI) is the availability interval during which the flr is larger than 0.5. The value starts at 0 and increments for every HLI that occurs.
nearEndUnavailableIntervals [Near End Unavailable Intervals] (tnEthCfmTWLmStatsNearEndUnavailable)	long	This object contains the number of availability intervals evaluated as unavailable in the near-end direction by this MEP during this collection Interval.
startTime [Start Time] (tnEthCfmTWLmStatsStartTime)	String	This attribute is the bin collection start date and time.
totalMembers [Total Members] (tnEthCfmTWLmStatsTotalMembers)	long	This attribute is the total number of members in the bin.
<p>CfmTwoWaySlmStats MIB entry name: tnEthCfmTWSlmStatsEntry Entry description: Table description (for tnEthCfmTWSlmStatsTable): The tnEthCfmTWSlmStatsTable stores information of a Eth-Cfm-Two-Way-Slm bin. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetoam.CfmTwoWaySlm</p>		
binId [Bin Id] (tnEthCfmTWSlmStatsBin)	int	The bin number, starting with bin 0.
binStatus [Bin Status] (tnEthCfmTWSlmStatsBinStatus)	int	This attribute indicates the validity of the bin. This attribute does not apply to Continuous Bin.

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
farEndFrameLossRatioAverage [Far End Frame Loss Ratio Average] (tnEthCfmTWSImStatsFarEndFrameLossRatioAverage)	long	
farEndFrameLossRatioMax [Far End Frame Loss Ratio Max] (tnEthCfmTWSImStatsFarEndFrameLossRatioMax)	long	
farEndFrameLossRatioMin [Far End Frame Loss Ratio Min] (tnEthCfmTWSImStatsFarEndFrameLossRatioMin)	long	
farEndHighLossIntervals [Far End High Loss Intervals] (tnEthCfmTWSImStatsFarEndHighLoss)	long	This object is the number of high loss intervals (HLI) over time in the far-end direction. High loss interval (HLI) is the availability interval during which the flr is larger than 0.5. The value starts at 0 and increments for every HLI that occurs.
farEndUnavailableIntervals [Far End Unavailable Intervals] (tnEthCfmTWSImStatsFarEndUnavailable)	long	This object contains the number of availability intervals evaluated as unavailable in the far-end direction by this MEP during this collection Interval.
interval [Interval] (tnEthCfmTWSImStatsInterval)	int	The collection interval.
nearEndFrameLossRatioAverage [Near End Frame Loss Ratio Average] (tnEthCfmTWSImStatsNearEndFrameLossRatioAverage)	long	

Table 19 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nearEndFrameLossRatioMax [Near End Frame Loss Ratio Max] (tnEthCfmTWSImStatsNearEndFrameLossRatioMax)	long	
nearEndFrameLossRatioMin [Near End Frame Loss Ratio Min] (tnEthCfmTWSImStatsNearEndFrameLossRatioMin)	long	
nearEndHighLossIntervals [Near End High Loss Intervals] (tnEthCfmTWSImStatsNearEndHighLoss)	long	This object is the number of high loss intervals (HLI) over time in the near-end direction. High loss interval (HLI) is the availability interval during which the flr is larger than 0.5. The value starts at 0 and increments for every HLI that occurs.
nearEndUnavailableIntervals [Near End Unavailable Intervals] (tnEthCfmTWSImStatsNearEndUnavailable)	long	This object contains the number of availability intervals evaluated as unavailable in the near-end direction by this MEP during this collection Interval.
startTime [Start Time] (tnEthCfmTWSImStatsStartTime)	String	This attribute is the bin collection start date and time.
totalMembers [Total Members] (tnEthCfmTWSImStatsTotalMembers)	long	This attribute is the total number of members in the bin.

Table 20 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SiteFibStats MIB entry name: tnSvcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for tnSvcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (tnSvcTlsFdbNumEntries)	long	The value of the object tnSvcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (tnSvcTlsFdbTableSize)	long	The value of the object tnSvcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of tnSvcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of tnSvcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of tnSvcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (tnSvcTlsFdbNumStaticEntries)	long	The value of the object tnSvcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.

Table 21 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tnMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tnMcLagLagStatsTable): The tnMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tnMcLagLagStatsPktsRxConfig)	long	The value of tnMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.
configPacketsTransmitted [Config Packets Transmitted] (tnMcLagLagStatsPktsTxConfig)	long	The value of tnMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tnMcLagLagStatsPktsTxFailed)	long	The value of tnMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tnMcLagLagStatsPktsRxState)	long	The value of tnMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tnMcLagLagStatsPktsTxState)	long	The value of tnMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 21 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisLagStats</p> <p>MIB entry name: tnMcLagGlobalStatsEntry</p> <p>Entry description: Each row entry represents stats data for a lag that participates in a multi-chassis configuration with a given peer. Rows are created or removed automatically by the system, each time a row is created or deleted in the tnMcLagConfigLagTable.</p> <p>Table description (for tnMcLagGlobalStatsTable): The tnMcLagGlobalStatsTable has an entry for the stats of each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tnMcLagStatsPktsRxConfig)	long	The value of tnMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tnMcLagStatsPktsTxConfig)	long	The value of tnMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tnMcLagStatsDropMD5)	long	The value of tnMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tnMcLagStatsPktsTxFailed)	long	The value of tnMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tnMcLagStatsDropTlvInvlIdLagId)	long	The value of tnMcLagStatsDropTlvInvlIdLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.

Table 21 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tnMcLagStatsDropTlvInvalidSize)	long	The value of tnMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tnMcLagStatsPktsTxKeepalive)	long	The value of tnMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tnMcLagStatsDropOutOfSeq)	long	The value of tnMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsReceived [Packets Received] (tnMcLagStatsPktsRx)	long	The value of tnMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tnMcLagStatsPktsTx)	long	The value of tnMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tnMcLagStatsPktsRxPeerConfig)	long	The value of tnMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tnMcLagStatsPktsTxPeerConfig)	long	The value of tnMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tnMcLagStatsPktsRxState)	long	The value of tnMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tnMcLagStatsPktsTxState)	long	The value of tnMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.

Table 21 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tooShortPacketsDropped [Too Short Packets Dropped] (tnMcLagStatsDropPktTooShort)	long	The value of tnMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tnMcLagStatsDropUnknownPeer)	long	The value of tnMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tnMcLagStatsDropUnknownTlv)	long	The value of tnMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tnMcLagStatsDropPktVerifyFaild)	long	The value of tnMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 22 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tnMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tnMcLagPeerStatsTable): The tnMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tnMcLagPeerStatsPktsRxConfig)	long	The value of tnMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tnMcLagPeerStatsDropMD5)	long	The value of tnMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tnMcLagPeerStatsPktsTxFailed)	long	The value of tnMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tnMcLagPeerStatsDropTlvInvldId)	long	The value of tnMcLagPeerStatsDropTlvInvldId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tnMcLagPeerStatsDropTlvInvldSz)	long	The value of tnMcLagPeerStatsDropTlvInvldSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 22 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tnMcLagPeerStatsPktsRxKpalive)	long	The value of tnMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tnMcLagPeerStatsPktsTxKpalive)	long	The value of tnMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tnMcLagPeerStatsDropOutOfSeq)	long	The value of tnMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tnMcLagPeerStatsPktsRx)	long	The value of tnMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tnMcLagPeerStatsPktsTx)	long	The value of tnMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tnMcLagPeerStatsPktsRxPeerCfg)	long	The value of tnMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tnMcLagPeerStatsPktsTxPeerCfg)	long	The value of tnMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tnMcLagPeerStatsDropStateDsblD)	long	The value of tnMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tnMcLagPeerStatsPktsRxState)	long	The value of tnMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.

Table 22 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tooShortPacketsDropped [Too Short Packets Dropped] (tnMcLagPeerStatsDropPktTooShrt)	long	The value of tnMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tnMcLagPeerStatsDropUnknownTlv)	long	The value of tnMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tnMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tnMcPeerSyncStatsTable): The tnMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tnMcPeerSyncPktsRxErrBody)	long	The value of tnMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tnMcPeerSyncPktsRxData)	long	The value of tnMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tnMcPeerSyncPktsTxData)	long	The value of tnMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.
erroneousPacketsReceived [Erroneous Packets Received] (tnMcPeerSyncPktsRxErr)	long	The value of tnMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.

Table 22 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tnMcPeerSyncPktsRxErrHeader)	long	The value of tnMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tnMcPeerSyncPktsRxHello)	long	The value of tnMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tnMcPeerSyncPktsTxHello)	long	The value of tnMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tnMcPeerSyncPktsRxOther)	long	The value of tnMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tnMcPeerSyncPktsTxOther)	long	The value of tnMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tnMcPeerSyncPktsTxErr)	long	The value of tnMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tnMcPeerSyncPktsRxErrSeqNum)	long	The value of tnMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.
totalPacketsReceived [Total Packets Received] (tnMcPeerSyncPktsRxAll)	long	The value of tnMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.

Table 22 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsTransmitted [Total Packets Transmitted] (tnMcPeerSyncPktsTxAll)	long	The value of tnMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 23 optical statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AmplifierPortStats MIB entry name: tnAmplifierPortConfigEntry Entry description: Table description (for tnAmplifierPortConfigTable): The provisioned ports on an amplifier card. Supports realtime plotting Supports scheduled collection Monitored class: optical.AmplifierPortSpecifics</p>		
ampPortPowerGainMax [Amp Port Power Gain Max] (tnAmplifierPortPowerGainMax)	float	The following description applies to the signal port of the amplifier card: This value is used by power management. Current configurable ranges and defaults: A2325A: (1600..3200), 3200 A2P2125 (port 1): (0..2500), 2500 A2P2125 (port 4): (1500..3100), 3100 A4PSWG (port 1): (0..2500), 2500 A4PSWG (port 4): (700..2900), 2200 AA2DONW: (1300..2300), 2300 AHPHG: (1300..3300), 3300 AHPLG: (600..2400), 2400 ALPFGK: (1300..2300), 2300 ALPFGT: (1300..2300), 2300 ALPHG: (1000..3000), 3000 AM2017B: (600..2400), 2400 AM2032A: (2600..4000), 4000 AM2125A: (1500..3100), 3100 AM2125B: (1500..3100), 3100 AM2318A: (700..2400), 2400 AM2325B: (1600..3200), 3200 AM2625A: (1600..3000), 3000 ASWG: (700..2900), 2200 MESH4: (700..2400), 2400 RA2P: (0..2500), 2500.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ampPortPowerGainMin [Amp Port Power Gain Min] (tnAmplifierPortPowerGainMin)	float	The following description applies to the signal port of the amplifier card: This value is used by power management. Current configurable ranges and defaults: A2325A: (1600..3200), 1600 A2P2125 (port 1): (0..2500), 700 A2P2125 (port 4): (1500..3100), 1500 A4PSWG (port 1): (0..2500), 700 A4PSWG (port 4): (700..2900), 700 AA2DONW: (1300..2300), 1300 AHPHG: (1300..3300), 1300 AHPLG: (600..2400), 600 ALPFGK: (1300..2300), 1300 ALPFGT: (1300..2300), 1300 ALPHG: (1000..3000), 1000 AM2017B: (600..2400), 600 AM2032A: (2600..4000), 2600 AM2125A: (1500..3100), 1500 AM2125B: (1500..3100), 1500 AM2318A: (700..2400), 700 AM2325B: (1600..3200), 1600 AM2625A: (1600..3000), 1600 ASWG: (700..2900), 700 MESH4: (700..2400), 700 RA2P: (0..2500), 700.
ampPortVoaSet [Amp Port Voa Set] (tnAmplifierPortVoaSet)	float	The following description applies to the LINEOUT port of the uni-directional amplifier card: Current configurable range: 0 to 1800.
CardMibStats MIB entry name: tnCardStatsEntry Entry description: Table description (for tnCardStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: equipment.BaseCard		
binStatus [Bin Status] (tnCardStatsBinStatus)	int	This attribute indicates the validity of the bin.
cpuAverage [Cpu Average] (tnCardStatCpuAverage)	long	The average CPU usage as a percentage.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
heapUsage [Heap Usage] (tnCardStatHeapUsage)	long	The heap usage as a percentage.
poolUsage [Pool Usage] (tnCardStatPoolUsage)	long	The pool usage as a percentage.
startTime [Start Time] (tnCardStatsStartTime)	long	This attribute is the bin collection start date and time.
CardRawStats MIB entry name: tnCardRowCountStatsEntry Entry description: Table description (for tnCardRowCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: equipment.BaseCard		
rawCpuAverage [Raw Cpu Average] (tnCardRowCountStatCpuAverage)	long	The average CPU usage as a percentage.
rawHeapUsage [Raw Heap Usage] (tnCardRowCountStatHeapUsage)	long	The heap usage as a percentage.
rawPoolUsage [Raw Pool Usage] (tnCardRowCountStatPoolUsage)	long	The pool usage as a percentage.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CdrMibStats MIB entry name: tnCdrStatsEntry Entry description: Table description (for tnCdrStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
binStatus [Bin Status] (tnCdrStatsBinStatus)	int	This attribute indicates the validity of the bin.
tnCdrStatAverage [Tn Cdr Stat Average] (tnCdrStatAverage)	long	Average chromatic dispersion received (ps/nm).
tnCdrStatMax [Tn Cdr Stat Max] (tnCdrStatMax)	long	Maximum chromatic dispersion received (ps/nm).
tnCdrStatMin [Tn Cdr Stat Min] (tnCdrStatMin)	long	Minimum chromatic dispersion received (ps/nm).
<p>CdrRawCountStats MIB entry name: tnCdrRawCountStatsEntry Entry description: Table description (for tnCdrRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tnCdrRawCountStatAverage [Tn Cdr Raw Count Stat Average] (tnCdrRawCountStatAverage)	int	Average chromatic dispersion received (ps/nm).
tnCdrRawCountStatMax [Tn Cdr Raw Count Stat Max] (tnCdrRawCountStatMax)	int	Maximum chromatic dispersion received (ps/nm).
tnCdrRawCountStatMin [Tn Cdr Raw Count Stat Min] (tnCdrRawCountStatMin)	int	Minimum chromatic dispersion received (ps/nm).
DgdrMibStats MIB entry name: tnDgdrStatsEntry Entry description: Table description (for tnDgdrStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
tnDgdrStatAverage [Tn Dgdr Stat Average] (tnDgdrStatAverage)	float	Average differential group delay received (ps).
tnDgdrStatMax [Tn Dgdr Stat Max] (tnDgdrStatMax)	float	Maximum differential group delay received (ps).
tnDgdrStatMin [Tn Dgdr Stat Min] (tnDgdrStatMin)	float	Minimum differential group delay received (ps).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tnDgdrStatsBinStatus [Tn Dgdr Stats Bin Status] (tnDgdrStatsBinStatus)	int	This attribute indicates the validity of the bin.
<p>DgdrRawCountStats MIB entry name: tnDgdrRawCountStatsEntry Entry description: Table description (for tnDgdrRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
tnDgdrRawCountStatAverage [Tn Dgdr Raw Count Stat Average] (tnDgdrRawCountStatAverage)	float	Average differential group delay received (ps).
tnDgdrRawCountStatMax [Tn Dgdr Raw Count Stat Max] (tnDgdrRawCountStatMax)	float	Maximum differential group delay received (ps).
tnDgdrRawCountStatMin [Tn Dgdr Raw Count Stat Min] (tnDgdrRawCountStatMin)	float	Minimum differential group delay received (ps).
<p>DigitalWrapper64BitMibStats MIB entry name: tnDigitalWrapper64BitStatsEntry Entry description: Table description (for tnDigitalWrapper64BitStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
binStatus [Bin Status] (tnDw64BitStatsBinStatus)	int	This attribute indicates the validity of the bin.
rxBERPostFEC [Rx BERPost FEC] (tnDw64BitStatRxBERPostFEC)	double	Provides error bit rate of post-FEC (Forward Error Correction).
rxBERPreFEC [Rx BERPre FEC] (tnDw64BitStatRxBERPreFEC)	double	Provides the error bit rate of pre-FEC (Forward Error Correction).
rxPMBIP8ErrCnt [Rx PMBIP8 Err Cnt] (tnDw64BitStatRxPMBIP8ErrCnt)	java. math. BigInteger	Provides a count of the path monitor bit interleaved parity (BIP-8) errors detected at the receiver.
rxPMES [Rx PMES] (tnDw64BitStatRxPMES)	java. math. BigInteger	Provides a count of the path monitor errored seconds.
rxPMFEBIP8ErrCnt [Rx PMFEBIP8 Err Cnt] (tnDw64BitStatRxPMFEBIP8ErrCnt)	java. math. BigInteger	Provides a count of the far end bit interleaved parity (BIP-8) errors detected at the receiver.
rxPMFEES [Rx PMFEES] (tnDw64BitStatRxPMFEES)	java. math. BigInteger	Provides a count of far end errored seconds.
rxPMFESES [Rx PMFESES] (tnDw64BitStatRxPMFESES)	java. math. BigInteger	Provides a count of far end severely errored seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPMFEUAS [Rx PMFEUAS] (tnDw64BitStatRxPMFEUAS)	java. math. BigInteger	Provides a count of far end unavailable seconds.
rxPMSES [Rx PMSES] (tnDw64BitStatRxPMSES)	java. math. BigInteger	Provides a count of the path monitor severely errored seconds.
rxPMUAS [Rx PMUAS] (tnDw64BitStatRxPMUAS)	java. math. BigInteger	Provides a count of the path monitor unavailable seconds.
rxRsCorrCnt [Rx Rs Corr Cnt] (tnDw64BitStatRxRSCorrCnt)	java. math. BigInteger	Provides a count of the number of bits corrected at the receiver.
rxRsUncorrCnt [Rx Rs Uncorr Cnt] (tnDw64BitStatRxRSUncorrCnt)	java. math. BigInteger	Provides a count of the number of blocks detected at the receiver which have uncorrectable errors.
rxSMBIAESErrCnt [Rx SMBIAESErr Cnt] (tnDw64BitStatRxSMBIAESErrCnt)	java. math. BigInteger	Provides a count of the section monitor backward error indication (BEI) errors.
rxSMBIP8ErrCnt [Rx SMBIP8 Err Cnt] (tnDw64BitStatRxSMBIP8ErrCnt)	java. math. BigInteger	Provides a count of the section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
rxSMES [Rx SMES] (tnDw64BitStatRxSMES)	java. math. BigInteger	Provides a count of the section monitor errored seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxSMFEBIP8ErrCnt [Rx SMFEBIP8 Err Cnt] (tnDw64BitStatRxSMFEBIP8ErrCnt)	java. math. BigInteger	Provides a count of the far end section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
rxSMFEES [Rx SMFEES] (tnDw64BitStatRxSMFEES)	java. math. BigInteger	Provides a count of section monitoring far end errored seconds.
rxSMFESES [Rx SMFESES] (tnDw64BitStatRxSMFESES)	java. math. BigInteger	Provides a count of section monitoring far end severely errored seconds.
rxSMFEUA [Rx SMFEUA] (tnDw64BitStatRxSMFEUAS)	java. math. BigInteger	Provides a count of section monitoring far end unavailable seconds.
rxSMIAESErrCnt [Rx SMIAESErr Cnt] (tnDw64BitStatRxSMIAESErrCnt)	java. math. BigInteger	Provides a count of the backward error indication (BEI) errors.
rxSMSES [Rx SMSES] (tnDw64BitStatRxSMSES)	java. math. BigInteger	Provides a count of the section monitor severely errored seconds.
rxSMUAS [Rx SMUAS] (tnDw64BitStatRxSMUAS)	java. math. BigInteger	Provides a count of the section monitor unavailable seconds.
startTime [Start Time] (tnDw64BitStatsStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DigitalWrapper64BitRawStats MIB entry name: tnDigitalWrapper64BitRawCountStatsEntry Entry description: Table description (for tnDigitalWrapper64BitRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rxBERPostFEC [Rx BERPost FEC] (tnDw64BitRawCountStatRxBERPostFEC)	double	Provides the error bit rate of post-FEC (Forward Error Correction).
rxBERPreFEC [Rx BERPre FEC] (tnDw64BitRawCountStatRxBERPreFEC)	double	Provides the error bit rate of pre-FEC (Forward Error Correction).
rxPMBEIErrCnt [Rx PMBEIErr Cnt] (tnDw64BitRawCountStatRxPMBEIErrCnt)	java. math. BigInteger	Provides a count of the path monitor backward error indication (BEI) errors detected at the receiver.
rxPMBIP8ErrCnt [Rx PMBIP8 Err Cnt] (tnDw64BitRawCountStatRxPMBIP8ErrCnt)	java. math. BigInteger	Provides a count of the path monitor bit interleaved parity (BIP-8) errors detected at the receiver.
rxPMES [Rx PMES] (tnDw64BitRawCountStatRxPMES)	java. math. BigInteger	Provides a count of the path monitor errored seconds.
rxPMFEBIP8ErrCnt [Rx PMFEBIP8 Err Cnt] (tnDw64BitRawCountStatRxPMFEBIP8ErrCnt)	java. math. BigInteger	Provides a count of the far end bit interleaved parity (BIP-8) errors detected at the receiver.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPMFEES [Rx PMFEES] (tnDw64BitRawCountStatRxPMFEES)	java. math. BigInteger	Provides a count of far end errored seconds.
rxPMFESES [Rx PMFESES] (tnDw64BitRawCountStatRxPMFESES)	java. math. BigInteger	Provides a count of far end severely errored seconds.
rxPMFEUAS [Rx PMFEUAS] (tnDw64BitRawCountStatRxPMFEUAS)	java. math. BigInteger	Provides a count of far end unavailable seconds.
rxPMSES [Rx PMSES] (tnDw64BitRawCountStatRxPMSES)	java. math. BigInteger	Provides a count of the path monitor severely errored seconds.
rxPMUAS [Rx PMUAS] (tnDw64BitRawCountStatRxPMUAS)	java. math. BigInteger	Provides a count of the path monitor unavailable seconds.
rxRSSES [Rx RSSES] (tnDw64BitRawCountStatRxRSSES)	java. math. BigInteger	RX RS Severely Errored Second (SES): A one-second period which contains 15% errored blocks or at least one defect.
rxRsCorrCnt [Rx Rs Corr Cnt] (tnDw64BitRawCountStatRxRSCorrCnt)	java. math. BigInteger	Provides a count of the number of bits corrected at the receiver.
rxRsUncorrCnt [Rx Rs Uncorr Cnt] (tnDw64BitRawCountStatRxRSUncorrCnt)	java. math. BigInteger	Provides a count of the number of blocks detected at the receiver which have uncorrectable errors.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxSMBEIErrCnt [Rx SMBEIErr Cnt] (tnDw64BitRawCountStatRxSMBEIErrCnt)	java. math. BigInteger	Provides a count of the section monitor backward error indication (BEI) errors detected at the receiver.
rxSMBIAESErrCnt [Rx SMBIAESErr Cnt] (tnDw64BitRawCountStatRxSMBIAESErrCnt)	java. math. BigInteger	Provides a count of the section monitor backward error indication (BEI) errors.
rxSMBIP8ErrCnt [Rx SMBIP8 Err Cnt] (tnDw64BitRawCountStatRxSMBIP8ErrCnt)	java. math. BigInteger	Provides a count of the section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
rxSMES [Rx SMES] (tnDw64BitRawCountStatRxSMES)	java. math. BigInteger	Provides a count of the section monitor errored seconds.
rxSMFEBIP8ErrCnt [Rx SMFEBIP8 Err Cnt] (tnDw64BitRawCountStatRxSMFEBIP8ErrCnt)	java. math. BigInteger	Provides a count of the far end section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
rxSMFEES [Rx SMFEES] (tnDw64BitRawCountStatRxSMFEES)	java. math. BigInteger	Provides a count of section monitoring far end errored seconds.
rxSMFESES [Rx SMFESES] (tnDw64BitRawCountStatRxSMFESES)	java. math. BigInteger	Provides a count of section monitoring far end severely errored seconds.
rxSMFEUA [Rx SMFEUA] (tnDw64BitRawCountStatRxSMFEUAS)	java. math. BigInteger	Provides a count of section monitoring far end unavailable seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxSMIAESErrCnt [Rx SMIAESErr Cnt] (tnDw64BitRawCountStatRxSMIAESErrCnt)	java. math. BigInteger	Provides a count of the backward error indication (BEI) errors.
rxSMSES [Rx SMSES] (tnDw64BitRawCountStatRxSMSES)	java. math. BigInteger	Provides a count of the section monitor severely errored seconds.
rxSMUAS [Rx SMUAS] (tnDw64BitRawCountStatRxSMUAS)	java. math. BigInteger	Provides a count of the section monitor unavailable seconds.
startTime [Start Time] (tnDw64BitRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
E1RawCountStats MIB entry name: tnE1RawCountStatsEntry Entry description: Table description (for tnE1RawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
tnE1RawCountStatRxBBEP [Tn E1 Raw Count Stat Rx BBEP] (tnE1RawCountStatRxBBEP)	long	Background Block Errors - Path.
tnE1RawCountStatRxESL [Tn E1 Raw Count Stat Rx ESL] (tnE1RawCountStatRxESL)	long	Errored second - line.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tnE1RawCountStatRxESP [Tn E1 Raw Count Stat Rx ESP] (tnE1RawCountStatRxESP)	long	Errored second - Path.
tnE1RawCountStatRxSESL [Tn E1 Raw Count Stat Rx SESL] (tnE1RawCountStatRxSESL)	long	Severely errored second - line.
tnE1RawCountStatRxSESP [Tn E1 Raw Count Stat Rx SESP] (tnE1RawCountStatRxSESP)	long	Severely errored second - Path.
tnE1RawCountStatRxUASP [Tn E1 Raw Count Stat Rx UASP] (tnE1RawCountStatRxUASP)	long	Unavailable Seconds - Path.
tnE1RawCountStatTxBBEP [Tn E1 Raw Count Stat Tx BBEP] (tnE1RawCountStatTxBBEP)	long	Background Block Errors - Path.
tnE1RawCountStatTxESP [Tn E1 Raw Count Stat Tx ESP] (tnE1RawCountStatTxESP)	long	Errored second.
tnE1RawCountStatTxSESP [Tn E1 Raw Count Stat Tx SESP] (tnE1RawCountStatTxSESP)	long	Severely errored second.
tnE1RawCountStatTxUASP [Tn E1 Raw Count Stat Tx UASP] (tnE1RawCountStatTxUASP)	long	Unavailable second.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ETHFECRawCountStats MIB entry name: tnETHFECPMRawCountStatsEntry Entry description: Table description (for tnETHFECPMRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
startTime [Start Time] (tnETHFECPMRawCountStatsStartTime)	long	This attribute is the raw bin collection start date and time.
ETHFECStats MIB entry name: tnETHFECPMStatsEntry Entry description: Table description (for tnETHFECPMStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnETHFECPMStatsBinStatus)	int	This attribute indicates the validity of the bin.
eTHPHYFECPMStatRxRsCorrCnt [ETHPHYFECPMStat Rx Rs Corr Cnt] (tnETHPHYFECPMStatRxRsCorrCnt)	java. math. BigInteger	A corrected FEC codeword is a codeword that contains errors and was corrected.
eTHPHYFECPMStatRxRsUncorrCnt [ETHPHYFECPMStat Rx Rs Uncorr Cnt] (tnETHPHYFECPMStatRxRsUncorrCnt)	java. math. BigInteger	An uncorrected FEC codeword is a codeword that contains errors(when the bypass correction is supported and enabled)or contains errors that were not corrected (when the bypass correction feature is not supported and not enabled) errors.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
startTime [Start Time] (tnETHFECPMStatsStartTime)	String	This attribute is the bin collection start date and time.
<p>EthPortEgrQueueMibStats MIB entry name: tnEthPortStatsEntry Entry description: Table description (for tnEthPortStatsTable): The tnEthPortStatsTable stores information of a port bin. Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
binId [Bin Id] (tnEthPortStatsBin)	int	The bin number, starting with bin 0.
inProfileOctetsDropped [In Profile Octets Dropped] (tnEthPortEgrQueueStatsInProfileOctetsDropped)	java. math. BigInteger	
inProfileOctetsForwarded [In Profile Octets Forwarded] (tnEthPortEgrQueueStatsInProfileOctetsForwarded)	java. math. BigInteger	
inProfilePacketsDropped [In Profile Packets Dropped] (tnEthPortEgrQueueStatsInProfilePktsDropped)	java. math. BigInteger	

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tnEthPortEgrQueueStatsInProfilePktsForwarded)	java. math. BigInteger	
interval [Interval] (tnEthPortStatsInterval)	int	The collection interval.
queueId [Queue Id] (tnEthPortStatsQueueId)	int	The queue ID.
EthPortMibStats MIB entry name: tnEthPortStatsEntry Entry description: Table description (for tnEthPortStatsTable): The tnEthPortStatsTable stores information of a port bin. Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binId [Bin Id] (tnEthPortStatsBin)	int	The bin number, starting with bin 0.
binStatus [Bin Status] (tnEthPortStatsBinStatus)	int	This attribute indicates the validity of the bin.
broadcastPackets [Broadcast Packets] (tnEthPortEtherStatsBroadcastPkts)	java. math. BigInteger	

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
broadcastPacketsIn [Broadcast Packets In] (tnEthPortStatsIfInBroadcastPkts)	java. math. BigInteger	
broadcastPacketsOut [Broadcast Packets Out] (tnEthPortStatsIfOutBroadcastPkts)	java. math. BigInteger	
collisions [Collisions] (tnEthPortEtherStatsCollisions)	java. math. BigInteger	
crcOralignErrors [Crc Oralign Errors] (tnEthPortEtherStatsCRCAalignErrors)	java. math. BigInteger	
discardsIn [Discards In] (tnEthPortStatsIfInDiscards)	java. math. BigInteger	
discardsOut [Discards Out] (tnEthPortStatsIfOutDiscards)	java. math. BigInteger	
dropEvents [Drop Events] (tnEthPortEtherStatsDropEvents)	java. math. BigInteger	
errorsIn [Errors In] (tnEthPortStatsIfInErrors)	java. math. BigInteger	

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorsOut [Errors Out] (tnEthPortStatsIfOutErrors)	java. math. BigInteger	
fragments [Fragments] (tnEthPortEtherStatsFragments)	java. math. BigInteger	
highCapacityOctets [High Capacity Octets] (tnEthPortEtherStatsHighCapacityOctets)	java. math. BigInteger	
highCapacityPackets [High Capacity Packets] (tnEthPortEtherStatsHighCapacityPkts)	java. math. BigInteger	
interval [Interval] (tnEthPortStatsInterval)	int	The collection interval.
jabbers [Jabbers] (tnEthPortEtherStatsJabbers)	java. math. BigInteger	
multicastPackets [Multicast Packets] (tnEthPortEtherStatsMulticastPkts)	java. math. BigInteger	
multicastPacketsIn [Multicast Packets In] (tnEthPortStatsIfInMulticastPkts)	java. math. BigInteger	

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multicastPacketsOut [Multicast Packets Out] (tnEthPortStatsIfOutMulticastPkts)	java. math. BigInteger	
octetsIn [Octets In] (tnEthPortStatsIfInOctets)	java. math. BigInteger	
octetsOut [Octets Out] (tnEthPortStatsIfOutOctets)	java. math. BigInteger	
oversizedPackets [Oversized Packets] (tnEthPortEtherStatsOversizePkts)	java. math. BigInteger	
packets1024To1518Octets [Packets 1024 To 1518 Octets] (tnEthPortEtherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	
packets128To255Octets [Packets 128 To 255 Octets] (tnEthPortEtherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	
packets1519OrMoreOctets [Packets 1519 Or More Octets] (tnEthPortEtherStatsHighCapacityPkts1519toMaxOctets)	java. math. BigInteger	
packets256To511Octets [Packets 256 To 511 Octets] (tnEthPortEtherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets512To1023Octets [Packets 512 To 1023 Octets] (tnEthPortEtherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	
packets64Octets [Packets 64 Octets] (tnEthPortEtherStatsHighCapacityPkts64Octets)	java. math. BigInteger	
packets65To127Octets [Packets 65 To 127 Octets] (tnEthPortEtherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	
packetsIn [Packets In] (tnEthPortStatsIfInPkts)	java. math. BigInteger	
packetsOut [Packets Out] (tnEthPortStatsIfOutPkts)	java. math. BigInteger	
startTime [Start Time] (tnEthPortStatsStartTime)	long	This attribute is the bin collection start date and time.
totalMembers [Total Members] (tnEthPortStatsTotalMembers)	int	This attribute is the total number of members in the bin.
undersizedPackets [Undersized Packets] (tnEthPortEtherStatsUndersizePkts)	java. math. BigInteger	

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unicastPacketsIn [Unicast Packets In] (tnEthPortStatsIfInUcastPkts)	java. math. BigInteger	
unicastPacketsOut [Unicast Packets Out] (tnEthPortStatsIfOutUcastPkts)	java. math. BigInteger	
unknownProtocol [Unknown Protocol] (tnEthPortStatsIfInUnknownProtos)	java. math. BigInteger	
EtherMibStats MIB entry name: tnEtherStatsEntry Entry description: Table description (for tnEtherStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnEtherStatsBinStatus)	int	This attribute indicates the validity of the bin.
etherStatRxBcastPkts [Ether Stat Rx Bcast Pkts] (tnEtherStatRxBcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to the broadcast address. This does not include multicast packets.
etherStatRxCollisions [Ether Stat Rx Collisions] (tnEtherStatRxCollisions)	java. math. BigInteger	Provides a count of the total number of collisions on the port.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
etherStatRxCrcAlignErrs [Ether Stat Rx Crc Align Errs] (tnEtherStatRxCrcAlignErrs)	java. math. BigInteger	Provides a count of the total number of packets received that had a length of between 63 and 1518 octets, inclusive, but had either a FCS with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (Alignment Error). The packet length excludes framing bits and includes FCS octets.
etherStatRxDropEvents [Ether Stat Rx Drop Events] (tnEtherStatRxDropEvents)	java. math. BigInteger	Provides a count of the total number of events in which packets were dropped by the monitoring entity due to a lack of resources. This value is not necessarily the number of packets dropped; it can be the number of times this condition has been detected.
etherStatRxFragments [Ether Stat Rx Fragments] (tnEtherStatRxFragments)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
etherStatRxJabbers [Ether Stat Rx Jabbers] (tnEtherStatRxJabbers)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
etherStatRxJumboPkts [Ether Stat Rx Jumbo Pkts] (tnEtherStatRxJumboPkts)	java. math. BigInteger	Provides a count of the total number of Jumbo frames sent or received on the port. Jumbo frames are frames which have a packet size greater than 1500 bytes.
etherStatRxMcastPkts [Ether Stat Rx Mcast Pkts] (tnEtherStatRxMcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to a multicast address. This does not include packets directed to the broadcast.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
etherStatRxOctets [Ether Stat Rx Octets] (tnEtherStatRxOctets)	java. math. BigInteger	Provides a count of the total number of octets of data (including the bad packets) received on the port. Excludes framing bits. Includes Frame Check Sequence (FCS) octets.
etherStatRxOversizedPkts [Ether Stat Rx Oversized Pkts] (tnEtherStatRxOversizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were longer than 1518 octets and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
etherStatRxPktErrRatio [Ether Stat Rx Pkt Err Ratio] (tnEtherStatRxPktErrRatio)	java. math. BigInteger	Provides a ratio of the total number of errored packets received to the total number of packets received.
etherStatRxPkts [Ether Stat Rx Pkts] (tnEtherStatRxPkts)	java. math. BigInteger	Provides a count of the total number of packets (including bad packet, broadcast packets, and multicast packets) received.
etherStatRxPktsSize1024to1518 [Ether Stat Rx Pkts Size 1024 to 1518] (tnEtherStatRxPktsSize1024to1518)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatRxPktsSize128to255 [Ether Stat Rx Pkts Size 128 to 255] (tnEtherStatRxPktsSize128to255)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatRxPktsSize256to511 [Ether Stat Rx Pkts Size 256 to 511] (tnEtherStatRxPktsSize256to511)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatRxPktsSize512to1023 [Ether Stat Rx Pkts Size 512 to 1023] (tnEtherStatRxPktsSize512to1023)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
etherStatRxPktsSize64 [Ether Stat Rx Pkts Size 64] (tnEtherStatRxPktsSize64)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were 64 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatRxPktsSize65to127 [Ether Stat Rx Pkts Size 65 to 127] (tnEtherStatRxPktsSize65to127)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatRxUndersizedPkts [Ether Stat Rx Undersized Pkts] (tnEtherStatRxUndersizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were less than 64 octets long and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
etherStatTxBcastPkts [Ether Stat Tx Bcast Pkts] (tnEtherStatTxBcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to the broadcast address. This does not include multicast packets.
etherStatTxCollisions [Ether Stat Tx Collisions] (tnEtherStatTxCollisions)	java. math. BigInteger	Provides a count of the total number of collisions on the port.
etherStatTxCrcAlignErrs [Ether Stat Tx Crc Align Errs] (tnEtherStatTxCrcAlignErrs)	java. math. BigInteger	Provides a count of the total number of packets received that had a length of between 63 and 1518 octets, inclusive, but had either a FCS with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (Alignment Error). The packet length excludes framing bits and includes FCS octets.
etherStatTxDropEvents [Ether Stat Tx Drop Events] (tnEtherStatTxDropEvents)	java. math. BigInteger	Provides a count of the total number of events in which packets were dropped by the monitoring entity due to a lack of resources. This value is not necessarily the number of packets dropped; it can be the number of times this condition has been detected.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
etherStatTxFragments [Ether Stat Tx Fragments] (tnEtherStatTxFragments)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
etherStatTxJabbers [Ether Stat Tx Jabbers] (tnEtherStatTxJabbers)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
etherStatTxJumboPkts [Ether Stat Tx Jumbo Pkts] (tnEtherStatTxJumboPkts)	java. math. BigInteger	Provides a count of the total number of Jumbo frames sent or received on the port. Jumbo frames are frames which have a packet size greater than 1500 bytes.
etherStatTxMcastPkts [Ether Stat Tx Mcast Pkts] (tnEtherStatTxMcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to a multicast address. This does not include packets directed to the broadcast.
etherStatTxOctets [Ether Stat Tx Octets] (tnEtherStatTxOctets)	java. math. BigInteger	Provides a count of the total number of octets of data (including the bad packets) received on the port. Excludes framing bits. Includes Frame Check Sequence (FCS) octets.
etherStatTxOversizedPkts [Ether Stat Tx Oversized Pkts] (tnEtherStatTxOversizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were longer than 1518 octets and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
etherStatTxPktErrRatio [Ether Stat Tx Pkt Err Ratio] (tnEtherStatTxPktErrRatio)	java. math. BigInteger	Provides a ratio of the total number of errored packets transmitted to the total number of packets transmitted.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
etherStatTxPkts [Ether Stat Tx Pkts] (tnEtherStatTxPkts)	java. math. BigInteger	Provides a count of the total number of packets (including bad packet, broadcast packets, and multicast packets) received.
etherStatTxPktsSize1024to1518 [Ether Stat Tx Pkts Size 1024 to 1518] (tnEtherStatTxPktsSize1024to1518)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatTxPktsSize128to255 [Ether Stat Tx Pkts Size 128 to 255] (tnEtherStatTxPktsSize128to255)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatTxPktsSize256to511 [Ether Stat Tx Pkts Size 256 to 511] (tnEtherStatTxPktsSize256to511)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatTxPktsSize512to1023 [Ether Stat Tx Pkts Size 512 to 1023] (tnEtherStatTxPktsSize512to1023)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatTxPktsSize64 [Ether Stat Tx Pkts Size 64] (tnEtherStatTxPktsSize64)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were 64 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatTxPktsSize65to127 [Ether Stat Tx Pkts Size 65 to 127] (tnEtherStatTxPktsSize65to127)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
etherStatTxUndersizedPkts [Ether Stat Tx Undersized Pkts] (tnEtherStatTxUndersizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were less than 64 octets long and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
startTime [Start Time] (tnEtherStatsStartTime)	long	This attribute is the bin collection start date and time.
EtherRawStats MIB entry name: tnEtherRawCountStatsEntry Entry description: Table description (for tnEtherRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawEtherCountStatRxPktsSize512to1023 [Raw Ether Count Stat Rx Pkts Size 512 to 1023] (tnEtherRawCountStatRxPktsSize512to1023)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherCountStatTxPktsSize512to1023 [Raw Ether Count Stat Tx Pkts Size 512 to 1023] (tnEtherRawCountStatTxPktsSize512to1023)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxBcastPkts [Raw Ether Stat Rx Bcast Pkts] (tnEtherRawCountStatRxBcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to the broadcast address. This does not include multicast packets.
rawEtherStatRxCollisions [Raw Ether Stat Rx Collisions] (tnEtherRawCountStatRxCollisions)	java. math. BigInteger	Provides a count of the total number of collisions on the port.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawEtherStatRxCrcAlignErrs [Raw Ether Stat Rx Crc Align Errs] (tnEtherRawCountStatRxCrcAlignErrs)	java. math. BigInteger	Provides a count of the total number of packets received that had a length of between 63 and 1518 octets, inclusive, but had either a FCS with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (Alignment Error). The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxDropEvents [Raw Ether Stat Rx Drop Events] (tnEtherRawCountStatRxDropEvents)	java. math. BigInteger	Provides a count of the total number of events in which packets were dropped by the monitoring entity due to a lack of resources. This value is not necessarily the number of packets dropped; it can be the number of times this condition has been detected.
rawEtherStatRxFragments [Raw Ether Stat Rx Fragments] (tnEtherRawCountStatRxFragments)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
rawEtherStatRxJabbers [Raw Ether Stat Rx Jabbers] (tnEtherRawCountStatRxJabbers)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
rawEtherStatRxJumboPkts [Raw Ether Stat Rx Jumbo Pkts] (tnEtherRawCountStatRxJumboPkts)	java. math. BigInteger	Provides a count of the total number of Jumbo frames sent or received on the port. Jumbo frames are frames which have a packet size greater than 1500 bytes.
rawEtherStatRxMcastPkts [Raw Ether Stat Rx Mcast Pkts] (tnEtherRawCountStatRxMcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to a multicast address. This does not include packets directed to the broadcast.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawEtherStatRxOctets [Raw Ether Stat Rx Octets] (tnEtherRawCountStatRxOctets)	java. math. BigInteger	Provides a count of the total number of octets of data (including the bad packets) received on the port. Excludes framing bits. Includes Frame Check Sequence (FCS) octets.
rawEtherStatRxOversizedPkts [Raw Ether Stat Rx Oversized Pkts] (tnEtherRawCountStatRxOversizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were longer than 1518 octets and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxPktErrRatio [Raw Ether Stat Rx Pkt Err Ratio] (tnEtherRawCountStatRxPktErrRatio)	java. math. BigInteger	Provides a ratio of the total number of errored packets received to the total number of packets received.
rawEtherStatRxPkts [Raw Ether Stat Rx Pkts] (tnEtherRawCountStatRxPkts)	java. math. BigInteger	Provides a count of the total number of packets (including bad packet, broadcast packets, and multicast packets) received.
rawEtherStatRxPktsSize1024to1518 [Raw Ether Stat Rx Pkts Size 1024 to 1518] (tnEtherRawCountStatRxPktsSize1024to1518)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxPktsSize128to255 [Raw Ether Stat Rx Pkts Size 128 to 255] (tnEtherRawCountStatRxPktsSize128to255)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxPktsSize256to511 [Raw Ether Stat Rx Pkts Size 256 to 511] (tnEtherRawCountStatRxPktsSize256to511)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxPktsSize64 [Raw Ether Stat Rx Pkts Size 64] (tnEtherRawCountStatRxPktsSize64)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were 64 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawEtherStatRxPktsSize65to127 [Raw Ether Stat Rx Pkts Size 65 to 127] (tnEtherRawCountStatRxPktsSize65to127)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatRxUndersizedPkts [Raw Ether Stat Rx Undersized Pkts] (tnEtherRawCountStatRxUndersizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were less than 64 octets long and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxBcastPkts [Raw Ether Stat Tx Bcast Pkts] (tnEtherRawCountStatTxBcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to the broadcast address. This does not include multicast packets.
rawEtherStatTxCollisions [Raw Ether Stat Tx Collisions] (tnEtherRawCountStatTxCollisions)	java. math. BigInteger	Provides a count of the total number of collisions on the port.
rawEtherStatTxCrcAlignErrs [Raw Ether Stat Tx Crc Align Errs] (tnEtherRawCountStatTxCrcAlignErrs)	java. math. BigInteger	Provides a count of the total number of packets received that had a length of between 63 and 1518 octets, inclusive, but had either a FCS with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (Alignment Error). The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxDropEvents [Raw Ether Stat Tx Drop Events] (tnEtherRawCountStatTxDropEvents)	java. math. BigInteger	Provides a count of the total number of events in which packets were dropped by the monitoring entity due to a lack of resources. This value is not necessarily the number of packets dropped; it can be the number of times this condition has been detected.
rawEtherStatTxFragments [Raw Ether Stat Tx Fragments] (tnEtherRawCountStatTxFragments)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawEtherStatTxJabbers [Raw Ether Stat Tx Jabbers] (tnEtherRawCountStatTxJabbers)	java. math. BigInteger	Provides a count of the total number of packets sent or received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and had either a bad FCS with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
rawEtherStatTxJumboPkts [Raw Ether Stat Tx Jumbo Pkts] (tnEtherRawCountStatTxJumboPkts)	java. math. BigInteger	Provides a count of the total number of Jumbo frames sent or received on the port. Jumbo frames are frames which have a packet size greater than 1500 bytes.
rawEtherStatTxMcastPkts [Raw Ether Stat Tx Mcast Pkts] (tnEtherRawCountStatTxMcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets received that were directed to a multicast address. This does not include packets directed to the broadcast.
rawEtherStatTxOctets [Raw Ether Stat Tx Octets] (tnEtherRawCountStatTxOctets)	java. math. BigInteger	Provides a count of the total number of octets of data (including the bad packets) received on the port. Excludes framing bits. Includes Frame Check Sequence (FCS) octets.
rawEtherStatTxOversizedPkts [Raw Ether Stat Tx Oversized Pkts] (tnEtherRawCountStatTxOversizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were longer than 1518 octets and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxPktErrRatio [Raw Ether Stat Tx Pkt Err Ratio] (tnEtherRawCountStatTxPktErrRatio)	java. math. BigInteger	Provides a ratio of the total number of errored packets transmitted to the total number of packets transmitted.
rawEtherStatTxPkts [Raw Ether Stat Tx Pkts] (tnEtherRawCountStatTxPkts)	java. math. BigInteger	Provides a count of the total number of packets (including bad packet, broadcast packets, and multicast packets) received.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawEtherStatTxPktsSize1024to1518 [Raw Ether Stat Tx Pkts Size 1024 to 1518] (tnEtherRawCountStatTxPktsSize1024to1518)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxPktsSize128to255 [Raw Ether Stat Tx Pkts Size 128 to 255] (tnEtherRawCountStatTxPktsSize128to255)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxPktsSize256to511 [Raw Ether Stat Tx Pkts Size 256 to 511] (tnEtherRawCountStatTxPktsSize256to511)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxPktsSize64 [Raw Ether Stat Tx Pkts Size 64] (tnEtherRawCountStatTxPktsSize64)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were 64 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxPktsSize65to127 [Raw Ether Stat Tx Pkts Size 65 to 127] (tnEtherRawCountStatTxPktsSize65to127)	java. math. BigInteger	Provides a count of the total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive. The packet length excludes framing bits and includes FCS octets.
rawEtherStatTxUndersizedPkts [Raw Ether Stat Tx Undersized Pkts] (tnEtherRawCountStatTxUndersizedPkts)	java. math. BigInteger	Provides a count of the total number of packets received that were less than 64 octets long and were otherwise well formed. The packet length excludes framing bits and includes FCS octets.
startTime [Start Time] (tnEtherRawCountStatStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
FECMMibStats MIB entry name: tnFECPMStatsEntry Entry description: Table description (for tnFECPMStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnFECPMStatsBinStatus)	int	This attribute indicates the validity of the bin.
fecPMStatRxBERPostFEC [Fec PMStat Rx BERPost FEC] (tnFECPMStatRxBERPostFEC)	double	Provides a count of the error bit rate of post-FEC.
fecPMStatRxBERPreFEC [Fec PMStat Rx BERPre FEC] (tnFECPMStatRxBERPreFEC)	double	Provides a count of the error bit rate of pre-FEC.
fecPMStatRxRsCorrCnt [Fec PMStat Rx Rs Corr Cnt] (tnFECPMStatRxRsCorrCnt)	java. math. BigInteger	Provides a count of the number of FEC (Forward Error Correction) error bits corrected at the receiver.
fecPMStatRxRsUncorrCnt [Fec PMStat Rx Rs Uncorr Cnt] (tnFECPMStatRxRsUncorrCnt)	java. math. BigInteger	Provides a count of the number of FEC blocks detected at the receiver which have uncorrectable errors.
startTime [Start Time] (tnFECPMStatsStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
FECPMRawCountStats MIB entry name: tnFECPMRawCountStatsEntry Entry description: Table description (for tnFECPMRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
fecPMRawCountStatRxBERPostFEC [Fec PMRaw Count Stat Rx BERPost FEC] (tnFECPMRawCountStatRxBERPostFEC)	double	Provides the raw count of the error bit rate of post-FEC.
fecPMRawCountStatRxBERPreFEC [Fec PMRaw Count Stat Rx BERPre FEC] (tnFECPMRawCountStatRxBERPreFEC)	double	Provides the raw count of the error bit rate of pre-FEC.
fecPMRawCountStatRxRsCorrCnt [Fec PMRaw Count Stat Rx Rs Corr Cnt] (tnFECPMRawCountStatRxRsCorrCnt)	java. math. BigInteger	Provides the raw count of the number of FEC error bits corrected at the receiver.
fecPMRawCountStatRxRsUncorrCnt [Fec PMRaw Count Stat Rx Rs Uncorr Cnt] (tnFECPMRawCountStatRxRsUncorrCnt)	java. math. BigInteger	Provides the raw count of the number of FEC blocks detected at the receiver which have uncorrectable errors.
startTime [Start Time] (tnFECPMRawCountStatsStartTime)	long	This attribute is the raw bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FoffrMibStats MIB entry name: tnFoffrStatsEntry Entry description: Table description (for tnFoffrStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
binStatus [Bin Status] (tnFoffrStatsBinStatus)	int	This attribute indicates the validity of the bin.
tnFoffrStatAverage [Tn Foffr Stat Average] (tnFoffrStatAverage)	float	Average frequency offset received (GHz).
tnFoffrStatMax [Tn Foffr Stat Max] (tnFoffrStatMax)	float	Maximum frequency offset received (GHz).
tnFoffrStatMin [Tn Foffr Stat Min] (tnFoffrStatMin)	float	Minimum frequency offset received (GHz).
<p>FoffrRawCountStats MIB entry name: tnFoffrRawCountStatsEntry Entry description: Table description (for tnFoffrRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tnFoffrRawCountStatAverage [Tn Foffr Raw Count Stat Average] (tnFoffrRawCountStatAverage)	float	Average frequency offset received (GHz).
tnFoffrRawCountStatMax [Tn Foffr Raw Count Stat Max] (tnFoffrRawCountStatMax)	float	Maximum frequency offset received (GHz).
tnFoffrRawCountStatMin [Tn Foffr Raw Count Stat Min] (tnFoffrRawCountStatMin)	float	Minimum frequency offset received (GHz).
InterfaceMibStats MIB entry name: tnInterfaceStatsEntry Entry description: Table description (for tnInterfaceStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnIfStatsBinStatus)	int	This attribute indicates the validity of the bin.
ifStatInBroadcastPkts [If Stat In Broadcast Pkts] (tnIfStatInBroadcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the IN port of the interface that were directed to the broadcast address. Does not include multicast packets.
ifStatInDiscards [If Stat In Discards] (tnIfStatInDiscards)	java. math. BigInteger	Provides a count of the number of packets discarded at the IN port of the interface.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ifStatInErrors [If Stat In Errors] (tnIfStatInErrors)	java. math. BigInteger	Provides a count of the errored frames detected at the IN port of the interface. For Ethernet traffic, this value is a sum of the following counts: tnEtherStatRxCrcAlignErrs tnEtherStatRxOversizedPkts tnEtherStatRxUndersizedPkts tnEtherStatRxFragments
ifStatInMulticastPkts [If Stat In Multicast Pkts] (tnIfStatInMulticastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the IN port of the interface that were directed to a multicast address. Does not include packets directed to the broadcast.
ifStatInOctets [If Stat In Octets] (tnIfStatInOctets)	java. math. BigInteger	Provides a count of the number of octets that passed through the IN port of the interface.
ifStatInPacketsNotClassified [If Stat In Packets Not Classified] (tnIfStatInPacketsNotClassified)	java. math. BigInteger	Provides a count of the number of unclassified packets received at the IN port of the interface.
ifStatInUcastPkts [If Stat In Ucast Pkts] (tnIfStatInUcastPkts)	java. math. BigInteger	Provides a count of the number of unicast packets that passed through the IN port of the interface.
ifStatInUnknownProtos [If Stat In Unknown Protos] (tnIfStatInUnknownProtos)	java. math. BigInteger	Provides a count of the number of packets received at the IN port of the interface for which the protocol is unknown.
ifStatOutBroadcastPkts [If Stat Out Broadcast Pkts] (tnIfStatOutBroadcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the OUT port of the interface that were directed to the broadcast address. Does not include multicast packets.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ifStatOutDiscards [If Stat Out Discards] (tnIfStatOutDiscards)	java. math. BigInteger	Provides a count of the number of packets discarded at the OUT port of the interface.
ifStatOutErrors [If Stat Out Errors] (tnIfStatOutErrors)	java. math. BigInteger	Provides a count of the errored frames detected at the OUT port of the interface. For Ethernet traffic, this value is a sum of the following counts: tnEtherStatTxCrcAlignErrs tnEtherStatTxOversizedPkts tnEtherStatTxUndersizedPkts tnEtherStatTxFragments
ifStatOutMulticastPkts [If Stat Out Multicast Pkts] (tnIfStatOutMulticastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the OUT port of the interface that were directed to a multicast address. Does not include packets directed to the broadcast.
ifStatOutOctets [If Stat Out Octets] (tnIfStatOutOctets)	java. math. BigInteger	Provides a count of the number of octets that passed through the OUT port of the interface.
ifStatOutUcastPkts [If Stat Out Ucast Pkts] (tnIfStatOutUcastPkts)	java. math. BigInteger	Provides a count of the number of unicast packets that passed through the OUT port of the interface.
startTime [Start Time] (tnIfStatsStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceRawStats MIB entry name: tnInterfaceRawCountStatsEntry Entry description: Table description (for tnInterfaceRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
rawIfStatInBroadcastPkts [Raw If Stat In Broadcast Pkts] (tnIfRawCountStatInBroadcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the IN port of the interface that were directed to the broadcast address. Does not include multicast packets.
rawIfStatInDiscards [Raw If Stat In Discards] (tnIfRawCountStatInDiscards)	java. math. BigInteger	Provides a count of the number of packets discarded at the IN port of the interface.
rawIfStatInErrors [Raw If Stat In Errors] (tnIfRawCountStatInErrors)	java. math. BigInteger	Provides a count of the errored frames detected at the IN port of the interface. For Ethernet traffic, this value is a sum of the following counts: tnEtherStatRxCrcAlignErrs tnEtherStatRxOversizedPkts tnEtherStatRxUndersizedPkts tnEtherStatRxFragments
rawIfStatInMulticastPkts [Raw If Stat In Multicast Pkts] (tnIfRawCountStatInMulticastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the IN port of the interface that were directed to a multicast address. Does not include packets directed to the broadcast.
rawIfStatInOctets [Raw If Stat In Octets] (tnIfRawCountStatInOctets)	java. math. BigInteger	Provides a count of the number of octets that passed through the IN port of the interface.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawIfStatInPacketsNotClassified [Raw If Stat In Packets Not Classified] (tnIfRawCountStatInPacketsNotClassified)	java. math. BigInteger	Provides a count of the number of unclassified packets received at the IN port of the interface.
rawIfStatInUcastPkts [Raw If Stat In Ucast Pkts] (tnIfRawCountStatInUcastPkts)	java. math. BigInteger	Provides a count of the number of unicast packets that passed through the IN port of the interface.
rawIfStatInUnknownProtos [Raw If Stat In Unknown Protos] (tnIfRawCountStatInUnknownProtos)	java. math. BigInteger	Provides a count of the number of packets received at the IN port of the interface for which the protocol is unknown.
rawIfStatOutBroadcastPkts [Raw If Stat Out Broadcast Pkts] (tnIfRawCountStatOutBroadcastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the OUT port of the interface that were directed to the broadcast address. Does not include multicast packets.
rawIfStatOutDiscards [Raw If Stat Out Discards] (tnIfRawCountStatOutDiscards)	java. math. BigInteger	Provides a count of the number of packets discarded at the OUT port of the interface.
rawIfStatOutErrors [Raw If Stat Out Errors] (tnIfRawCountStatOutErrors)	java. math. BigInteger	Provides a count of the errored frames detected at the OUT port of the interface. For Ethernet traffic, this value is a sum of the following counts: tnEtherStatTxCrcAlignErrs tnEtherStatTxOversizedPkts tnEtherStatTxUndersizedPkts tnEtherStatTxFragments
rawIfStatOutMulticastPkts [Raw If Stat Out Multicast Pkts] (tnIfRawCountStatOutMulticastPkts)	java. math. BigInteger	Provides a count of the total number of good packets detected at the OUT port of the interface that were directed to a multicast address. Does not include packets directed to the broadcast.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawIfStatOutOctets [Raw If Stat Out Octets] (tnIfRawCountStatOutOctets)	java. math. BigInteger	Provides a count of the number of octets that passed through the OUT port of the interface.
rawIfStatOutUcastPkts [Raw If Stat Out Ucast Pkts] (tnIfRawCountStatOutUcastPkts)	java. math. BigInteger	Provides a count of the number of unicast packets that passed through the OUT port of the interface.
startTime [Start Time] (tnIfRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
OTPortStats MIB entry name: tnOtPortInfoEntry Entry description: Table description (for tnOtPortInfoTable): The ports on an OT card. Supports realtime plotting Supports scheduled collection Monitored class: optical.OTPortSpecifics		
otPortRxPower [Ot Port Rx Power] (tnOtPortRxPower)	float	OT RX power.
otPortTxPower [Ot Port Tx Power] (tnOtPortTxPower)	float	The transmit power after the VOA.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
OdukRawRxStats MIB entry name: tnOthOdukRawCountStatsRxEntry Entry description: Table description (for tnOthOdukRawCountStatsRxTable): Supports realtime plotting Does not support scheduled collection Monitored class: oth.Oduk		
othOdukRawStatsRxFeBIP8ErrCnt [Oth Oduk Raw Stats Rx Fe BIP8 Err Cnt] (tnOthOdukRawCountStatRxFeBIP8ErrCnt)	java. math. BigInteger	Provides a count of receiving direction ODU BEI counts, i.e., Far-End receiving direction error blocks.
othOdukRawStatsRxFeES [Oth Oduk Raw Stats Rx Fe ES] (tnOthOdukRawCountStatRxFeES)	java. math. BigInteger	Provides a count of far-End Receiving direction ODU errored seconds.
othOdukRawStatsRxFeSES [Oth Oduk Raw Stats Rx Fe SES] (tnOthOdukRawCountStatRxFeSES)	java. math. BigInteger	Provides a count of far-End Receiving direction ODU severely errored seconds.
othOdukRawStatsRxFeUAS [Oth Oduk Raw Stats Rx Fe UAS] (tnOthOdukRawCountStatRxFeUAS)	java. math. BigInteger	Provides a count of far-End Receiving direction ODU unavailable seconds.
othOdukRawStatsRxNeBIP8ErrCnt [Oth Oduk Raw Stats Rx Ne BIP8 Err Cnt] (tnOthOdukRawCountStatRxNeBIP8ErrCnt)	java. math. BigInteger	Provides a count of near-end Receiving direction ODU BIP8 error blocks.
othOdukRawStatsRxNeES [Oth Oduk Raw Stats Rx Ne ES] (tnOthOdukRawCountStatRxNeES)	java. math. BigInteger	Provides a count of near-end Receiving direction ODU errored seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOdukRawStatsRxNeSES [Oth Oduk Raw Stats Rx Ne SES] (tnOthOdukRawCountStatRxNeSES)	java. math. BigInteger	Provides a count of near-end Receiving direction ODU severely errored seconds.
othOdukRawStatsRxNeUAS [Oth Oduk Raw Stats Rx Ne UAS] (tnOthOdukRawCountStatRxNeUAS)	java. math. BigInteger	Provides a count of near-end Receiving direction ODU unavailable seconds.
startTime [Start Time] (tnOthOdukRawCountStatsRxStartTime)	long	This attribute is the bin collection start date and time.
<p>OdukRawTxStats MIB entry name: tnOthOdukRawCountStatsTxEntry Entry description: Table description (for tnOthOdukRawCountStatsTxTable): Supports realtime plotting Does not support scheduled collection Monitored class: oth.Oduk</p>		
othOdukRawStatsTxFeBIP8ErrCnt [Oth Oduk Raw Stats Tx Fe BIP8 Err Cnt] (tnOthOdukRawCountStatTxFeBIP8ErrCnt)	java. math. BigInteger	Provides a count of transmitting direction ODU BEI counts, i.e., Far-End transmitting direction error blocks.
othOdukRawStatsTxFeES [Oth Oduk Raw Stats Tx Fe ES] (tnOthOdukRawCountStatTxFeES)	java. math. BigInteger	Provides a count of Far-End transmitting direction ODU errored seconds.
othOdukRawStatsTxFeSES [Oth Oduk Raw Stats Tx Fe SES] (tnOthOdukRawCountStatTxFeSES)	java. math. BigInteger	Provides a count of Far-End transmitting direction ODU severely errored seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOdukRawStatsTxFeUAS [Oth Oduk Raw Stats Tx Fe UAS] (tnOthOdukRawCountStatTxFeUAS)	java. math. BigInteger	Provides a count of Far-End transmitting direction ODU unavailable seconds.
othOdukRawStatsTxNeBIP8ErrCnt [Oth Oduk Raw Stats Tx Ne BIP8 Err Cnt] (tnOthOdukRawCountStatTxNeBIP8ErrCnt)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU BIP8 error blocks.
othOdukRawStatsTxNeES [Oth Oduk Raw Stats Tx Ne ES] (tnOthOdukRawCountStatTxNeES)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU errored seconds.
othOdukRawStatsTxNeSES [Oth Oduk Raw Stats Tx Ne SES] (tnOthOdukRawCountStatTxNeSES)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU severely errored seconds.
othOdukRawStatsTxNeUAS [Oth Oduk Raw Stats Tx Ne UAS] (tnOthOdukRawCountStatTxNeUAS)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU unavailable seconds.
startTime [Start Time] (tnOthOdukRawCountStatsTxStartTime)	long	This attribute is the bin collection start date and time.
OdukRxMibStats MIB entry name: tnOthOdukStatsRxEntry Entry description: Table description (for tnOthOdukStatsRxTable): Supports realtime plotting Does not support scheduled collection Monitored class: oth.Oduk		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
binStatus [Bin Status] (tnOthOdukStatsRxBinStatus)	int	This attribute indicates the validity of the bin.
othOdukStatsRxFeBIP8ErrCnt [Oth Oduk Stats Rx Fe BIP8 Err Cnt] (tnOthOdukStatsRxFeBIP8ErrCnt)	java. math. BigInteger	Provides a count of far-end receiving direction ODU BIP8 error blocks.
othOdukStatsRxFeES [Oth Oduk Stats Rx Fe ES] (tnOthOdukStatsRxFeES)	java. math. BigInteger	Provides a count of far-end receiving direction ODU errored seconds.
othOdukStatsRxFeSES [Oth Oduk Stats Rx Fe SES] (tnOthOdukStatsRxFeSES)	java. math. BigInteger	Provides a count of far-end receiving direction ODU severely errored seconds.
othOdukStatsRxFeUAS [Oth Oduk Stats Rx Fe UAS] (tnOthOdukStatsRxFeUAS)	java. math. BigInteger	Provides a count of far-end receiving direction ODU unavailable seconds.
othOdukStatsRxNeBIP8ErrCnt [Oth Oduk Stats Rx Ne BIP8 Err Cnt] (tnOthOdukStatsRxNeBIP8ErrCnt)	java. math. BigInteger	Provides a count of near-end receiving direction ODU BIP8 error blocks.
othOdukStatsRxNeES [Oth Oduk Stats Rx Ne ES] (tnOthOdukStatsRxNeES)	java. math. BigInteger	Provides a count of near-end receiving direction ODU errored seconds.
othOdukStatsRxNeSES [Oth Oduk Stats Rx Ne SES] (tnOthOdukStatsRxNeSES)	java. math. BigInteger	Provides a count of near-end receiving direction ODU severely errored seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOdukStatsRxNeUAS [Oth Oduk Stats Rx Ne UAS] (tnOthOdukStatsRxNeUAS)	java. math. BigInteger	Provides a count of near-end receiving direction ODU unavailable seconds.
startTime [Start Time] (tnOthOdukStatsRxStartTime)	long	This attribute is the bin collection start date and time.
OdukTxMibStats MIB entry name: tnOthOdukStatsTxEntry Entry description: Table description (for tnOthOdukStatsTxTable): Supports realtime plotting Does not support scheduled collection Monitored class: oth.Oduk		
binStatus [Bin Status] (tnOthOdukStatsTxBinStatus)	int	This attribute indicates the validity of the bin.
othOdukStatsTxFeBIP8ErrCnt [Oth Oduk Stats Tx Fe BIP8 Err Cnt] (tnOthOdukStatsTxFeBIP8ErrCnt)	java. math. BigInteger	Provides a count of far-end transmitting direction ODU BIP8 error blocks.
othOdukStatsTxFeES [Oth Oduk Stats Tx Fe ES] (tnOthOdukStatsTxFeES)	java. math. BigInteger	Provides a count of far-end transmitting direction ODU errored seconds.
othOdukStatsTxFeSES [Oth Oduk Stats Tx Fe SES] (tnOthOdukStatsTxFeSES)	java. math. BigInteger	Provides a count of far-end transmitting direction ODU severely errored seconds.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOdukStatsTxFeUAS [Oth Oduk Stats Tx Fe UAS] (tnOthOdukStatsTxFeUAS)	java. math. BigInteger	Provides a count of far-end transmitting direction ODU unavailable seconds.
othOdukStatsTxNeBIP8ErrCnt [Oth Oduk Stats Tx Ne BIP8 Err Cnt] (tnOthOdukStatsTxNeBIP8ErrCnt)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU BIP8 error blocks.
othOdukStatsTxNeES [Oth Oduk Stats Tx Ne ES] (tnOthOdukStatsTxNeES)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU errored seconds.
othOdukStatsTxNeSES [Oth Oduk Stats Tx Ne SES] (tnOthOdukStatsTxNeSES)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU severely errored seconds.
othOdukStatsTxNeUAS [Oth Oduk Stats Tx Ne UAS] (tnOthOdukStatsTxNeUAS)	java. math. BigInteger	Provides a count of near-end transmitting direction ODU unavailable seconds.
startTime [Start Time] (tnOthOdukStatsTxStartTime)	long	This attribute is the bin collection start date and time.
<p>OpInCMibStats MIB entry name: tnOpInCStatsEntry Entry description: Table description (for tnOpInCStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
avgPower [Avg Power] (tnOpInCStatAveragePower)	float	Average optical Input power in the C Band (mBm).
binStatus [Bin Status] (tnOpInCStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOpInCStatMaxPower)	float	Maximum optical Input power in the C Band (mBm).
minPower [Min Power] (tnOpInCStatMinPower)	float	Minimum optical Input power in the C Band (mBm).
startTime [Start Time] (tnOpInCStatsStartTime)	long	This attribute is the bin collection start date and time.
OpInCRawStats MIB entry name: tnOpInCRawCountStatsEntry Entry description: Table description (for tnOpInCRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOpInCRawCountStatAveragePower)	float	Average optical Input power in the C Band (mBm).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawMaxPower [Raw Max Power] (tnOpInCRawCountStatMaxPower)	float	Maximum optical Input power in the C Band (mBm).
rawMinPower [Raw Min Power] (tnOpInCRawCountStatMinPower)	float	Minimum optical Input power in the C Band (mBm).
startTime [Start Time] (tnOpInCRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
<p>OpInMibStats MIB entry name: tnOpInStatsEntry Entry description: Table description (for tnOpInStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
avgPower [Avg Power] (tnOpInStatAveragePower)	float	Average optical DC power in the In direction (mBm).
binStatus [Bin Status] (tnOpInStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOpInStatMaxPower)	float	Maximum optical DC power in the In direction (mBm).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
minPower [Min Power] (tnOpInStatMinPower)	float	Minimum optical DC power in the In direction (mBm).
startTime [Start Time] (tnOpInStatsStartTime)	long	This attribute is the bin collection start date and time.
OpInRawStats MIB entry name: tnOpInRawCountStatsEntry Entry description: Table description (for tnOpInRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOpInRawCountStatAveragePower)	float	Average optical DC power in the In direction (mBm).
rawMaxPower [Raw Max Power] (tnOpInRawCountStatMaxPower)	float	Maximum optical DC power in the In direction (mBm).
rawMinPower [Raw Min Power] (tnOpInRawCountStatMinPower)	float	Minimum optical DC power in the In direction (mBm).
startTime [Start Time] (tnOpInRawCountStatStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
OpOchInMibStats MIB entry name: tnOpOchInStatsEntry Entry description: Table description (for tnOpOchInStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
avgPower [Avg Power] (tnOpOchInStatAveragePower)	float	Average optical WT power in the In direction (mBm).
binStatus [Bin Status] (tnOpOchInStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOpOchInStatMaxPower)	float	Maximum optical WT power in the In direction (mBm).
minPower [Min Power] (tnOpOchInStatMinPower)	float	Minimum optical WT power in the In direction (mBm).
startTime [Start Time] (tnOpOchInStatsStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
OpOchInRawStats MIB entry name: tnOpOchInRawCountStatsEntry Entry description: Table description (for tnOpOchInRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOpOchInRawCountStatAveragePower)	float	Average optical WT power in the In direction (mBm).
rawMaxPower [Raw Max Power] (tnOpOchInRawCountStatMaxPower)	float	Maximum optical WT power in the In direction (mBm).
rawMinPower [Raw Min Power] (tnOpOchInRawCountStatMinPower)	float	Minimum optical WT power in the In direction (mBm).
startTime [Start Time] (tnOpOchInRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
OpOchOutMibStats MIB entry name: tnOpOchOutStatsEntry Entry description: Table description (for tnOpOchOutStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
avgPower [Avg Power] (tnOpOchOutStatAveragePower)	float	Average optical WT power in the Out direction (mBm).
binStatus [Bin Status] (tnOpOchOutStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOpOchOutStatMaxPower)	float	Maximum optical WT power in the Out direction (mBm).
minPower [Min Power] (tnOpOchOutStatMinPower)	float	Minimum optical WT power in the Out direction (mBm).
startTime [Start Time] (tnOpOchOutStatsStartTime)	long	This attribute is the bin collection start date and time.
<p>OpOchOutRawStats MIB entry name: tnOpOchOutRawCountStatsEntry Entry description: Table description (for tnOpOchOutRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
rawAvgPower [Raw Avg Power] (tnOpOchOutRawCountStatAveragePower)	float	Average optical WT power in the Out direction (mBm).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawMaxPower [Raw Max Power] (tnOpOchOutRawCountStatMaxPower)	float	Maximum optical WT power in the Out direction (mBm).
rawMinPower [Raw Min Power] (tnOpOchOutRawCountStatMinPower)	float	Minimum optical WT power in the Out direction (mBm).
startTime [Start Time] (tnOpOchOutRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
OpOutCMibStats MIB entry name: tnOpOutCStatsEntry Entry description: Table description (for tnOpOutCStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
avgPower [Avg Power] (tnOpOutCStatAveragePower)	float	Average optical Outputz power in the C Band (mBm).
binStatus [Bin Status] (tnOpOutCStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOpOutCStatMaxPower)	float	Maximum optical Output power in the C Band (mBm).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
minPower [Min Power] (tnOpOutCStatMinPower)	float	Minimum optical Output power in the C Band (mBm).
startTime [Start Time] (tnOpOutCStatsStartTime)	long	This attribute is the bin collection start date and time.
OpOutCRawStats MIB entry name: tnOpOutCRawCountStatsEntry Entry description: Table description (for tnOpOutCRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOpOutCRawCountStatAveragePower)	float	Average optical Output power in the C Band (mBm).
rawMaxPower [Raw Max Power] (tnOpOutCRawCountStatMaxPower)	float	Maximum optical Output power in the C Band (mBm).
rawMinPower [Raw Min Power] (tnOpOutCRawCountStatMinPower)	float	Minimum optical Output power in the C Band (mBm).
startTime [Start Time] (tnOpOutCRawCountStatStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
OpOutMibStats MIB entry name: tnOpOutStatsEntry Entry description: Table description (for tnOpOutStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
avgPower [Avg Power] (tnOpOutStatAveragePower)	float	Average optical DC power in the Out direction (mBm).
binStatus [Bin Status] (tnOpOutStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOpOutStatMaxPower)	float	Maximum optical DC power in the Out direction (mBm).
minPower [Min Power] (tnOpOutStatMinPower)	float	Minimum optical DC power in the Out direction (mBm).
startTime [Start Time] (tnOpOutStatsStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OpOutRawStats MIB entry name: tnOpOutRawCountStatsEntry Entry description: Table description (for tnOpOutRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
rawAvgPower [Raw Avg Power] (tnOpOutRawCountStatAveragePower)	float	Average optical DC power in the Out direction (mBm).
rawMaxPower [Raw Max Power] (tnOpOutRawCountStatMaxPower)	float	Maximum optical DC power in the Out direction (mBm).
rawMinPower [Raw Min Power] (tnOpOutRawCountStatMinPower)	float	Minimum optical DC power in the Out direction (mBm).
startTime [Start Time] (tnOpOutRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
<p>OprMibStats MIB entry name: tnOprStatsEntry Entry description: Table description (for tnOprStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
avgPower [Avg Power] (tnOprStatAveragePower)	float	Average optical DC power in the RX direction (mBm).
binStatus [Bin Status] (tnOprStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOprStatMaxPower)	float	Maximum optical DC power in the RX direction (mBm).
minPower [Min Power] (tnOprStatMinPower)	float	Minimum optical DC power in the RX direction (mBm).
startTime [Start Time] (tnOprStatsStartTime)	long	This attribute is the bin collection start date and time.
OprRawStats MIB entry name: tnOprRawCountStatsEntry Entry description: Table description (for tnOprRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOprRawCountStatAveragePower)	float	Average optical DC power in the RX direction (mBm).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rawMaxPower [Raw Max Power] (tnOprRawCountStatMaxPower)	float	Maximum optical DC power in the RX direction (mBm).
rawMinPower [Raw Min Power] (tnOprRawCountStatMinPower)	float	Minimum optical DC power in the RX direction (mBm).
startTime [Start Time] (tnOprRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
OptMibStats MIB entry name: tnOptStatsEntry Entry description: Table description (for tnOptStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
avgPower [Avg Power] (tnOptStatAveragePower)	float	Average optical DC power in the TX direction (mBm).
binStatus [Bin Status] (tnOptStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOptStatMaxPower)	float	Maximum optical DC power in the TX direction (mBm).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
minPower [Min Power] (tnOptStatMinPower)	float	Minimum optical DC power in the TX direction (mBm).
startTime [Start Time] (tnOptStatsStartTime)	long	This attribute is the bin collection start date and time.
OptRawStats MIB entry name: tnOptRawCountStatsEntry Entry description: Table description (for tnOptRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOptRawCountStatAveragePower)	float	Average optical DC power in the TX direction (mBm).
rawMaxPower [Raw Max Power] (tnOptRawCountStatMaxPower)	float	Maximum optical DC power in the TX direction (mBm).
rawMinPower [Raw Min Power] (tnOptRawCountStatMinPower)	float	Minimum optical DC power in the TX direction (mBm).
startTime [Start Time] (tnOptRawCountStatStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OsnrMibStats MIB entry name: tnOsnrStatsEntry Entry description: Table description (for tnOsnrStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
avgPower [Avg Power] (tnOsnrStatAverageOSNR)	float	Average OSNR (mB).
binStatus [Bin Status] (tnOsnrStatsBinStatus)	int	This attribute indicates the validity of the bin.
maxPower [Max Power] (tnOsnrStatMaxOSNR)	float	Maximum OSNR (mB).
minPower [Min Power] (tnOsnrStatMinOSNR)	float	Minimum OSNR (mB).
startTime [Start Time] (tnOsnrStatsStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
OsnrRawStats MIB entry name: tnOsnrRawCountStatsEntry Entry description: Table description (for tnOsnrRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rawAvgPower [Raw Avg Power] (tnOsnrRawCountStatAverageOSNR)	float	Average optical WT power in the In direction (mB).
rawMaxPower [Raw Max Power] (tnOsnrRawCountStatMaxOSNR)	float	Maximum OSNR (mB).
rawMinPower [Raw Min Power] (tnOsnrRawCountStatMinOSNR)	float	Minimum OSNR (mB).
startTime [Start Time] (tnOsnrRawCountStatStartTime)	long	This attribute is the bin collection start date and time.
OtuRawStats MIB entry name: tnOthOtukRawCountStatsEntry Entry description: Table description (for tnOthOtukRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored classes: <ul style="list-style-type: none"> • optical.OpticalPortSpecifics • oth.Otuk 		

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOtukRawStatFeRxIAES [Oth Otuk Raw Stat Fe Rx IAES] (tnOthOtukRawCountStatRxFeIAES)	java. math. BigInteger	Provides the raw count of the backward IAE defect seconds, i.e., the far-end IAE defect seconds at the receiver.
othOtukRawStatFeRxSMBIP8ErrCnt [Oth Otuk Raw Stat Fe Rx SMBIP8 Err Cnt] (tnOthOtukRawCountStatRxFeSMBIP8ErrCnt)	java. math. BigInteger	Provides the raw count of the backward error indication (BEI) errors, i.e., the far-end section monitor bit.
othOtukRawStatFeRxSMES [Oth Otuk Raw Stat Fe Rx SMES] (tnOthOtukRawCountStatRxFeSMES)	java. math. BigInteger	Provides the raw count of far-end section monitor errored seconds detected at the receiver.
othOtukRawStatFeRxSMSES [Oth Otuk Raw Stat Fe Rx SMSES] (tnOthOtukRawCountStatRxFeSMSES)	java. math. BigInteger	Provides the raw count of near-end section monitor severely errored seconds detected at the receiver.
othOtukRawStatFeRxSMUAS [Oth Otuk Raw Stat Fe Rx SMUAS] (tnOthOtukRawCountStatRxFeSMUAS)	java. math. BigInteger	Provides the raw count of near-end section monitor unavailable seconds detected at the receiver.
othOtukRawStatNeRxIAES [Oth Otuk Raw Stat Ne Rx IAES] (tnOthOtukRawCountStatRxNeIAES)	java. math. BigInteger	Provides the raw count of near-end IAE defect seconds detected at the receiver.
othOtukRawStatNeRxSMBIP8ErrCnt [Oth Otuk Raw Stat Ne Rx SMBIP8 Err Cnt] (tnOthOtukRawCountStatRxNeSMBIP8ErrCnt)	java. math. BigInteger	Provides the raw count of near-end section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
othOtukRawStatNeRxSMES [Oth Otuk Raw Stat Ne Rx SMES] (tnOthOtukRawCountStatRxNeSMES)	java. math. BigInteger	Provides the raw count of near-end section monitor errored seconds detected at the receiver.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOtukRawStatNeRxSMSES [Oth Otuk Raw Stat Ne Rx SMSES] (tnOthOtukRawCountStatRxNeSMSES)	java. math. BigInteger	Provides the raw count of near-end section monitor severely errored seconds detected at the receiver.
othOtukRawStatNeRxSMUAS [Oth Otuk Raw Stat Ne Rx SMUAS] (tnOthOtukRawCountStatRxNeSMUAS)	java. math. BigInteger	Provides the raw count of near-end section monitor severely errored seconds detected at the receiver.
othOtukRawStatRxBERPostFEC [Oth Otuk Raw Stat Rx BERPost FEC] (tnOthOtukRawCountStatRxBERPostFEC)	double	Provides the raw count of the error bit rate of post-FEC.
othOtukRawStatRxBERPreFEC [Oth Otuk Raw Stat Rx BERPre FEC] (tnOthOtukRawCountStatRxBERPreFEC)	double	Provides the raw count of the error bit rate of pre-FEC.
othOtukRawStatRxRsCorrCnt [Oth Otuk Raw Stat Rx Rs Corr Cnt] (tnOthOtukRawCountStatRxRsCorrCnt)	java. math. BigInteger	Provides the raw count of the number of FEC error bits corrected at the receiver.
othOtukRawStatRxRsUncorrCnt [Oth Otuk Raw Stat Rx Rs Uncorr Cnt] (tnOthOtukRawCountStatRxRsUncorrCnt)	java. math. BigInteger	Provides the raw count of the number of FEC blocks detected at the receiver which have uncorrectable errors.
startTime [Start Time] (tnOthOtukRawCountStatsStartTime)	long	This attribute is the raw bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
OtukMibStats MIB entry name: tnOthOtukStatsEntry Entry description: Table description (for tnOthOtukStatsTable): Supports realtime plotting Does not support scheduled collection Monitored classes: <ul style="list-style-type: none"> • optical.OpticalPortSpecifics • oth.Otuk 		
binStatus [Bin Status] (tnOthOtukStatsBinStatus)	int	This attribute indicates the validity of the bin.
othOtukStatFeRxIAES [Oth Otuk Stat Fe Rx IAES] (tnOthOtukStatFeRxIAES)	java. math. BigInteger	Provides a count of the backward IAE defect seconds, i.e., the far-end IAE defect seconds at the receiver.
othOtukStatFeRxSMBIP8ErrCnt [Oth Otuk Stat Fe Rx SMBIP8 Err Cnt] (tnOthOtukStatFeRxSMBIP8ErrCnt)	java. math. BigInteger	Provides a count of the backward error indication (BEI) errors, i.e. the far-end section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
othOtukStatFeRxSMES [Oth Otuk Stat Fe Rx SMES] (tnOthOtukStatFeRxSMES)	java. math. BigInteger	Provides a count of far-end section monitor errored seconds detected at the receiver.
othOtukStatFeRxSMSES [Oth Otuk Stat Fe Rx SMSES] (tnOthOtukStatFeRxSMSES)	java. math. BigInteger	Provides a count of near-end section monitor severely errored seconds detected at the receiver.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOtukStatFeRxSMUAS [Oth Otuk Stat Fe Rx SMUAS] (tnOthOtukStatFeRxSMUAS)	java. math. BigInteger	Provides a count of near-end section monitor unavailable seconds detected at the receiver.
othOtukStatNeRxIAES [Oth Otuk Stat Ne Rx IAES] (tnOthOtukStatNeRxIAES)	java. math. BigInteger	Provides a count of near-end IAE defect seconds detected at the receiver.
othOtukStatNeRxSMBIP8ErrCnt [Oth Otuk Stat Ne Rx SMBIP8 Err Cnt] (tnOthOtukStatNeRxSMBIP8ErrCnt)	java. math. BigInteger	Provides a count of near-end section monitor bit interleaved parity (BIP-8) errors detected at the receiver.
othOtukStatNeRxSMES [Oth Otuk Stat Ne Rx SMES] (tnOthOtukStatNeRxSMES)	java. math. BigInteger	Provides a count of near-end section monitor errored seconds detected at the receiver.
othOtukStatNeRxSMSES [Oth Otuk Stat Ne Rx SMSES] (tnOthOtukStatNeRxSMSES)	java. math. BigInteger	Provides a count of near-end section monitor severely errored seconds detected at the receiver.
othOtukStatNeRxSMUAS [Oth Otuk Stat Ne Rx SMUAS] (tnOthOtukStatNeRxSMUAS)	java. math. BigInteger	Provides a count of near-end section monitor severely errored seconds detected at the receiver.
othOtukStatRxBERPostFEC [Oth Otuk Stat Rx BERPost FEC] (tnOthOtukStatRxBERPostFEC)	double	Provides a count of the error bit rate of post-FEC.
othOtukStatRxBERPreFEC [Oth Otuk Stat Rx BERPre FEC] (tnOthOtukStatRxBERPreFEC)	double	Provides a count of the error bit rate of pre-FEC.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
othOtukStatRxRsCorrCnt [Oth Otuk Stat Rx Rs Corr Cnt] (tnOthOtukStatRxRsCorrCnt)	java. math. BigInteger	Provides a count of the number of FEC (Forward Error Correction) error bits corrected at the receiver.
othOtukStatRxRsUncorrCnt [Oth Otuk Stat Rx Rs Uncorr Cnt] (tnOthOtukStatRxRsUncorrCnt)	java. math. BigInteger	Provides a count of the number of FEC blocks detected at the receiver which have uncorrectable errors.
startTime [Start Time] (tnOthOtukStatsStartTime)	long	This attribute is the bin collection start date and time.
PhyCodeSubLayerMibStats MIB entry name: tnPhyCodeSublayerStatsEntry Entry description: Table description (for tnPhyCodeSublayerStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnPhyCodeSublayerStatsBinStatus)	int	This attribute indicates the validity of the bin.
rxCV [Rx CV] (tnPhyCodeSublayerStatRxCV)	long	Coding violation.
rxES [Rx ES] (tnPhyCodeSublayerStatRxES)	long	Errored second.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxSEFS [Rx SEFS] (tnPhyCodeSublayerStatRxSEFS)	long	Severely errored frame second.
rxSES [Rx SES] (tnPhyCodeSublayerStatRxSES)	long	Severely errored second.
startTime [Start Time] (tnPhyCodeSublayerStatsStartTime)	long	This attribute is the bin collection start date and time.
txCV [Tx CV] (tnPhyCodeSublayerStatTxCV)	long	Coding violation.
txES [Tx ES] (tnPhyCodeSublayerStatTxES)	long	Errored second.
txSEFS [Tx SEFS] (tnPhyCodeSublayerStatTxSEFS)	long	Severely errored frame second.
txSES [Tx SES] (tnPhyCodeSublayerStatTxSES)	long	Severely errored second.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PhyCodeSubLayerRawStats MIB entry name: tnPhyCodeSublayerRawCountStatsEntry Entry description: Table description (for tnPhyCodeSublayerRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
rxCV [Rx CV] (tnPhyCodeSublayerRawCountStatRxCV)	long	Coding violation.
rxES [Rx ES] (tnPhyCodeSublayerRawCountStatRxES)	long	Errored second.
rxSEFS [Rx SEFS] (tnPhyCodeSublayerRawCount- StatRxSEFS)	long	Severely errored frame second.
rxSES [Rx SES] (tnPhyCodeSublayerRawCountStatRxSES)	long	Severely errored second.
startTime [Start Time] (tnPhyCodeSublayerRawCount- StatStartTime)	long	This attribute is the bin collection start date and time.
txCV [Tx CV] (tnPhyCodeSublayerRawCountStatTxCV)	long	Coding violation.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txES [Tx ES] (tnPhyCodeSublayerRawCountStatTxES)	long	Errored second.
txSEFS [Tx SEFS] (tnPhyCodeSublayerRawCount- StatTxSEFS)	long	Severely errored frame second.
txSES [Tx SES] (tnPhyCodeSublayerRawCountStatTxSES)	long	Severely errored second.
PreFECBERRawCountStats MIB entry name: tnpreFECBERRawCountStatsEntry Entry description: Table description (for tnpreFECBERRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
preFECBERRawCountStatRxBERPreFEC [Pre FECBERRaw Count Stat Rx BERPre FEC] (tnpreFECBERRawCountStatRxBER- PreFEC)	double	Provides the raw count of the error bit rate of pre-FECBER.
startTime [Start Time] (tnpreFECBERRawCountStatsStartTime)	long	This attribute is the raw bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PreFECBERStats MIB entry name: tnpreFECBERStatsEntry Entry description: Table description (for tnpreFECBERStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnpreFECBERStatsBinStatus)	int	This attribute indicates the validity of the bin.
preFECBERStatRxBERPreFEC [Pre FECBERStat Rx BERPre FEC] (tnpreFECBERStatRxBERPreFEC)	double	Provides a count of the error bit rate of pre-FEC.
startTime [Start Time] (tnpreFECBERStatsStartTime)	String	This attribute is the bin collection start date and time.
PreFECBitsMibStats MIB entry name: tnPreFECBitsStatsEntry Entry description: Table description (for tnPreFECBitsStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnPreFECBitsStatsBinStatus)	int	This attribute indicates the validity of the bin.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tnPreFECBitsStatAverage [Tn Pre FECBits Stat Average] (tnPreFECBitsStatAverage)	java. math. BigInteger	Average PreFECBitsbits received (Bits in 1-second).
tnPreFECBitsStatMax [Tn Pre FECBits Stat Max] (tnPreFECBitsStatMax)	java. math. BigInteger	Maximum PreFECBitsbits received (Bits in 1-second).
tnPreFECBitsStatMin [Tn Pre FECBits Stat Min] (tnPreFECBitsStatMin)	java. math. BigInteger	Minimum PreFECBits bits received (Bits in 1-second).
<p>PreFECBitsRawCountStats MIB entry name: tnPreFECBitsRawCountStatsEntry Entry description: Table description (for tnPreFECBitsRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
tnPreFECBitsRawCountStatAverage [Tn Pre FECBits Raw Count Stat Average] (tnPreFECBitsRawCountStatAverage)	java. math. BigInteger	Minimum PreFECBits bits received (Bits in 1-second).
tnPreFECBitsRawCountStatMax [Tn Pre FECBits Raw Count Stat Max] (tnPreFECBitsRawCountStatMax)	java. math. BigInteger	Minimum PreFECBits bits received (Bits in 1-second).
tnPreFECBitsRawCountStatMin [Tn Pre FECBits Raw Count Stat Min] (tnPreFECBitsRawCountStatMin)	java. math. BigInteger	Bits in 1-second.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdhMibStats MIB entry name: tnSdhStatsEntry Entry description: Table description (for tnSdhStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics</p>		
binStatus [Bin Status] (tnSdhStatsBinStatus)	int	This attribute indicates the validity of the bin.
sdhStatRxMSEB [Sdh Stat Rx MSEB] (tnSdhStatRxMSEB)	long	Multiplex section - errored block. Provides a count of the number of B2 BIP violations.
sdhStatRxMSES [Sdh Stat Rx MSES] (tnSdhStatRxMSES)	long	Multiplex section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatRxMSSES [Sdh Stat Rx MSSES] (tnSdhStatRxMSSES)	long	Multiplex section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of multiplex section layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (MS-AIS) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdhStatRxMSUAS [Sdh Stat Rx MSUAS] (tnSdhStatRxMSUAS)	long	Multiplex section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A multiplex section is deemed to be unavailable when 10 consecutive severely errored seconds (SEs) are detected. The period of unavailability begins at the onset the 10 consecutive SEs (back in time). Availability is declared after a period of 10 consecutive non-SEs. The period of availability begins at the onset of the 10 consecutive non-SEs (back in time).
sdhStatRxRSEB [Sdh Stat Rx RSEB] (tnSdhStatRxRSEB)	long	Regenerator section - errored block. Provides a count of the number of B1 violations.
sdhStatRxRSES [Sdh Stat Rx RSES] (tnSdhStatRxRSES)	long	Regenerator section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sdhStatRxRSSES [Sdh Stat Rx RSSES] (tnSdhStatRxRSSES)	long	Regenerator section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of regenerator section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sdhStatRxRSUAS [Sdh Stat Rx RSUAS] (tnSdhStatRxRSUAS)	long	Regenerator section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A regenerator section is deemed to be unavailable when 10 consecutive severely errored seconds (SEs) are detected. The period of unavailability begins at the onset the 10 consecutive SEs (back in time). Availability is declared after a period of 10 consecutive non-SEs. The period of availability begins at the onset of the 10 consecutive non-SEs (back in time).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdhStatTxMSEB [Sdh Stat Tx MSEB] (tnSdhStatTxMSEB)	long	Multiplex section - errored block. Provides a count of the number of B2 BIP violations.
sdhStatTxMSES [Sdh Stat Tx MSES] (tnSdhStatTxMSES)	long	Multiplex section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatTxMSSES [Sdh Stat Tx MSSES] (tnSdhStatTxMSSES)	long	Multiplex section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of multiplex section layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatTxMSUAS [Sdh Stat Tx MSUAS] (tnSdhStatTxMSUAS)	long	Multiplex section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A multiplex section is deemed to be unavailable when 10 consecutive severely errored seconds (SESs) are detected. The period of unavailability begins at the onset the 10 consecutive SESs (back in time). Availability is declared after a period of 10 consecutive non-SESs. The period of availability begins at the onset of the 10 consecutive non-SESs (back in time).
sdhStatTxRSEB [Sdh Stat Tx RSEB] (tnSdhStatTxRSEB)	long	Regenerator section - errored block. Provides a count of the number of B1 violations.
sdhStatTxRSES [Sdh Stat Tx RSES] (tnSdhStatTxRSES)	long	Regenerator section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdhStatTxRSSES [Sdh Stat Tx RSSES] (tnSdhStatTxRSSES)	long	Regenerator section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of regenerator section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sdhStatTxRSUAS [Sdh Stat Tx RSUAS] (tnSdhStatTxRSUAS)	long	Regenerator section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A regenerator section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
startTime [Start Time] (tnSdhStatsStartTime)	long	This attribute is the bin collection start date and time.
SdhRawStats MIB entry name: tnSdhRawCountStatsEntry Entry description: Table description (for tnSdhRawCountStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
sdhStatRxMSEB [Sdh Stat Rx MSEB] (tnSdhRawCountStatRxMSEB)	long	Multiplex section - errored block. Provides a count of the number of B2 BIP violations.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdhStatRxMSES [Sdh Stat Rx MSES] (tnSdhRawCountStatRxMSES)	long	Multiplex section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatRxMSSSES [Sdh Stat Rx MSSSES] (tnSdhRawCountStatRxMSSSES)	long	Multiplex section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of multiplex section layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatRxMSUAS [Sdh Stat Rx MSUAS] (tnSdhRawCountStatRxMSUAS)	long	Multiplex section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A multiplex section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
sdhStatRxRSEB [Sdh Stat Rx RSEB] (tnSdhRawCountStatRxRSEB)	long	Regenerator section - errored block. Provides a count of the number of B1 violations.
sdhStatRxRSES [Sdh Stat Rx RSES] (tnSdhRawCountStatRxRSES)	long	Regenerator section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sdhStatRxRSSES [Sdh Stat Rx RSSES] (tnSdhRawCountStatRxRSSES)	long	Regenerator section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of regenerator section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdhStatRxRSUAS [Sdh Stat Rx RSUAS] (tnSdhRawCountStatRxRSUAS)	long	Regenerator section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A regenerator section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
sdhStatTxMSEB [Sdh Stat Tx MSEB] (tnSdhRawCountStatTxMSEB)	long	Multiplex section - errored block. Provides a count of the number of B2 BIP violations.
sdhStatTxMSES [Sdh Stat Tx MSES] (tnSdhRawCountStatTxMSES)	long	Multiplex section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatTxMSSES [Sdh Stat Tx MSSES] (tnSdhRawCountStatTxMSSES)	long	Multiplex section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of multiplex section layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (MS-AIS) defect was present.
sdhStatTxMSUAS [Sdh Stat Tx MSUAS] (tnSdhRawCountStatTxMSUAS)	long	Multiplex section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A multiplex section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdhStatTxRSEB [Sdh Stat Tx RSEB] (tnSdhRawCountStatTxRSEB)	long	Regenerator section - errored block. Provides a count of the number of B1 violations.
sdhStatTxRSES [Sdh Stat Tx RSES] (tnSdhRawCountStatTxRSES)	long	Regenerator section - errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sdhStatTxRSSES [Sdh Stat Tx RSSES] (tnSdhRawCountStatTxRSSES)	long	Regenerator section - severely errored second. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of regenerator section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sdhStatTxRSUAS [Sdh Stat Tx RSUAS] (tnSdhRawCountStatTxRSUAS)	long	Regenerator section - unavailable second. Provides a count of the number of seconds that a line is unavailable. A regenerator section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
startTime [Start Time] (tnSdhRawCountStatStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetMibStats MIB entry name: tnSonetStatsEntry Entry description: Table description (for tnSonetStatsTable): Supports realtime plotting Does not support scheduled collection Monitored class: optical.OpticalPortSpecifics		
binStatus [Bin Status] (tnSonetStatsBinStatus)	int	This attribute indicates the validity of the bin.
sonetStatRxCVL [Sonet Stat Rx CVL] (tnSonetStatRxCVL)	long	Coding violation - line. Provides a count of the number of B2 BIP violations.
sonetStatRxCVS [Sonet Stat Rx CVS] (tnSonetStatRxCVS)	long	Coding violation - section. Provides a count of the number of B1 violations.
sonetStatRxESL [Sonet Stat Rx ESL] (tnSonetStatRxESL)	long	Errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (AIS-L) defect was present.
sonetStatRxESS [Sonet Stat Rx ESS] (tnSonetStatRxESS)	long	Errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatRxFCL [Sonet Stat Rx FCL] (tnSonetStatRxFCL)	long	Failure count - line. Provides a count of the number of line failures. A failure event begins when a AIS-L failure is declared and ends when the failure is cleared. A failure event that begins in one period and ends in another period is counted only in the period where it begins.
sonetStatRxFECVL [Sonet Stat Rx FECVL] (tnSonetStatRxFECVL)	long	Coding violation - line. Provides a count of the number of Far End B2 BIP violations.
sonetStatRxFEESL [Sonet Stat Rx FEESL] (tnSonetStatRxFEESL)	long	Errored second - line. Provides a count of the number of error count in one second intervals.
sonetStatRxFESESL [Sonet Stat Rx FESESL] (tnSonetStatRxFESESL)	long	Severely errored second - line.
sonetStatRxFEUASL [Sonet Stat Rx FEUASL] (tnSonetStatRxFEUASL)	long	Unavailable second - line.
sonetStatRxSEFSS [Sonet Stat Rx SEFSS] (tnSonetStatRxSEFSS)	long	Severely errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatRxSESL [Sonet Stat Rx SESL] (tnSonetStatRxSESL)	long	Severely errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of line layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (AIS-L) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatRxSESS [Sonet Stat Rx SESS] (tnSonetStatRxSESS)	long	Severely errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatRxUASL [Sonet Stat Rx UASL] (tnSonetStatRxUASL)	long	Unavailable second - line. Provides a count of the number of seconds that a line is unavailable. A line is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
sonetStatRxUASS [Sonet Stat Rx UASS] (tnSonetStatRxUASS)	long	Unavailable second - section. Provides a count of the number of seconds that a section is unavailable. A section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
sonetStatTxCVL [Sonet Stat Tx CVL] (tnSonetStatTxCVL)	long	Coding violation - line. Provides a count of the number of B2 BIP violations.
sonetStatTxCVS [Sonet Stat Tx CVS] (tnSonetStatTxCVS)	long	Coding violation - section. Provides a count of the number of B1 violations.
sonetStatTxESL [Sonet Stat Tx ESL] (tnSonetStatTxESL)	long	Errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (AIS-L) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatTxESS [Sonet Stat Tx ESS] (tnSonetStatTxESS)	long	Errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatTxFCL [Sonet Stat Tx FCL] (tnSonetStatTxFCL)	long	Failure count - line. Provides a count of the number of line failures. A failure event begins when a AIS-L failure is declared and ends when the failure is cleared. A failure event that begins in one period and ends in another period is counted only in the period where it begins.
sonetStatTxSEFSS [Sonet Stat Tx SEFSS] (tnSonetStatTxSEFSS)	long	Severely errored frame second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - a loss of frame (LOF) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatTxSESL [Sonet Stat Tx SESL] (tnSonetStatTxSESL)	long	Severely errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of line layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (AIS-L) defect was present.
sonetStatTxSESS [Sonet Stat Tx SESS] (tnSonetStatTxSESS)	long	Severely errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatTxUASL [Sonet Stat Tx UASL] (tnSonetStatTxUASL)	long	Unavailable second - line. Provides a count of the number of seconds that a line is unavailable. A line is deemed to be unavailable when 10 consecutive severely errored seconds (SESs) are detected. The period of unavailability begins at the onset the 10 consecutive SESs (back in time). Availability is declared after a period of 10 consecutive non-SESs. The period of availability begins at the onset of the 10 consecutive non-SESs (back in time).
sonetStatTxUASS [Sonet Stat Tx UASS] (tnSonetStatTxUASS)	long	Unavailable second - section. Provides a count of the number of seconds that a section is unavailable. A section is deemed to be unavailable when 10 consecutive severely errored seconds (SESs) are detected. The period of unavailability begins at the onset the 10 consecutive SESs (back in time). Availability is declared after a period of 10 consecutive non-SESs. The period of availability begins at the onset of the 10 consecutive non-SESs (back in time).
startTime [Start Time] (tnSonetStatsStartTime)	long	This attribute is the bin collection start date and time.
<p>SonetRawStats</p> <p>MIB entry name: tnSonetRawCountStatsEntry</p> <p>Entry description:</p> <p>Table description (for tnSonetRawCountStatsTable):</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: optical.OpticalPortSpecifics</p>		
sonetStatRxCVL [Sonet Stat Rx CVL] (tnSonetRawCountStatRxCVL)	long	Coding violation - line. Provides a count of the number of B2 BIP violations.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatRxCVS [Sonet Stat Rx CVS] (tnSonetRawCountStatRxCVS)	long	Coding violation - section. Provides a count of the number of B1 violations.
sonetStatRxESL [Sonet Stat Rx ESL] (tnSonetRawCountStatRxESL)	long	Errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (AIS-L) defect was present.
sonetStatRxESS [Sonet Stat Rx ESS] (tnSonetRawCountStatRxESS)	long	Errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatRxFCL [Sonet Stat Rx FCL] (tnSonetRawCountStatRxFCL)	long	Failure count - line. Provides a count of the number of line failures. A failure event begins when a AIS-L failure is declared and ends when the failure is cleared. A failure event that begins in one period and ends in another period is counted only in the period where it begins.
sonetStatRxFECVL [Sonet Stat Rx FECVL] (tnSonetRawCountStatRxFECVL)	long	Coding violation - line. Provides a count of the number of B2 BIP violations.
sonetStatRxFEESL [Sonet Stat Rx FEESL] (tnSonetRawCountStatRxFEESL)	long	Errored second - line.
sonetStatRxFESESL [Sonet Stat Rx FESESL] (tnSonetRawCountStatRxFESESL)	long	Severely errored second - line.
sonetStatRxFEUASL [Sonet Stat Rx FEUASL] (tnSonetRawCountStatRxFEUASL)	long	Unavailable second - line. Provides a count of the number of seconds that a line is unavailable.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatRxSEFSS [Sonet Stat Rx SEFSS] (tnSonetRawCountStatRxSEFSS)	long	Severely errored frame second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - a loss of frame (LOF) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatRxSESL [Sonet Stat Rx SESL] (tnSonetRawCountStatRxSESL)	long	Severely errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of line layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (AIS-L) defect was present.
sonetStatRxSESS [Sonet Stat Rx SESS] (tnSonetRawCountStatRxSESS)	long	Severely errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatRxUASL [Sonet Stat Rx UASL] (tnSonetRawCountStatRxUASL)	long	Unavailable second - line. Provides a count of the number of seconds that a line is unavailable. A line is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
sonetStatRxUASS [Sonet Stat Rx UASS] (tnSonetRawCountStatRxUASS)	long	Unavailable second - section. Provides a count of the number of seconds that a section is unavailable. A section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatTxCVL [Sonet Stat Tx CVL] (tnSonetRawCountStatTxCVL)	long	Coding violation - line. Provides a count of the number of B2 BIP violations.
sonetStatTxCVS [Sonet Stat Tx CVS] (tnSonetRawCountStatTxCVS)	long	Coding violation - section. Provides a count of the number of B1 violations.
sonetStatTxESL [Sonet Stat Tx ESL] (tnSonetRawCountStatTxESL)	long	Errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B2 BIP error was detected. - an alarm indicating signal (AIS-L) defect was present.
sonetStatTxESS [Sonet Stat Tx ESS] (tnSonetRawCountStatTxESS)	long	Errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - at least one B1 BIP-8 error was detected. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatTxFCL [Sonet Stat Tx FCL] (tnSonetRawCountStatTxFCL)	long	Failure count - line. Provides a count of the number of line failures. A failure event begins when a AIS-L failure is declared and ends when the failure is cleared. A failure event that begins in one period and ends in another period is counted only in the period where it begins.
sonetStatTxSEFSS [Sonet Stat Tx SEFSS] (tnSonetRawCountStatTxSEFSS)	long	Severely errored frame second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - a loss of frame (LOF) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatTxSESL [Sonet Stat Tx SESL] (tnSonetRawCountStatTxSESL)	long	Severely errored second - line. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of line layer B2 errors detected exceeded the value defined in GR-253-CORE. - an alarm indicating signal (AIS-L) defect was present.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sonetStatTxSESS [Sonet Stat Tx SESS] (tnSonetRawCountStatTxSESS)	long	Severely errored second - section. Provides a count of the number of one second intervals in which any of the following conditions are true: - the number of section layer BIP errors detected exceeded the value defined in GR-253-CORE. - a loss of signal (LOS) defect was present. - a severely errored frame (SEF) defect was present.
sonetStatTxUASL [Sonet Stat Tx UASL] (tnSonetRawCountStatTxUASL)	long	Unavailable second - line. Provides a count of the number of seconds that a line is unavailable. A line is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
sonetStatTxUASS [Sonet Stat Tx UASS] (tnSonetRawCountStatTxUASS)	long	Unavailable second - section. Provides a count of the number of seconds that a section is unavailable. A section is deemed to be unavailable when 10 consecutive severely errored seconds (SESSs) are detected. The period of unavailability begins at the onset the 10 consecutive SESSs (back in time). Availability is declared after a period of 10 consecutive non-SESSs. The period of availability begins at the onset of the 10 consecutive non-SESSs (back in time).
startTime [Start Time] (tnSonetRawCountStatStartTime)	long	This attribute is the bin collection start date and time.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UnexpectedWtKeyEntryStats MIB entry name: tnUnexpectedWtKeyEntry Entry description: Table description (for tnUnexpectedWtKeyTable): This table provides a complete list of all unexpected received Wave Keys. Supports realtime plotting Supports scheduled collection Monitored class: optical.UnexpectedWtKeyEntry</p>		
uwtKey [Uwt Key] (tnUnexpectedWtKey)	long	One of many possible Wave Keys.
uwtKeyPower [Uwt Key Power] (tnUnexpectedWtKeyPower)	float	The power, expressed in units of mBm, associated with the unexpected Wave Key.
<p>WaveKeyEncodeStats MIB entry name: tnWaveKeyEncodeEntry Entry description: Table description (for tnWaveKeyEncodeTable): This table is a compilation of attributes associated with Wave Key encode capable ports. Supports realtime plotting Supports scheduled collection Monitored class: optical.WavekeyEncodeSpecifics</p>		
waveKeyEncodePowerLowerMargin [Wave Key Encode Power Lower Margin] (tnWaveKeyEncodePowerLowerMargin)	float	The amount that the input power could fluctuate by; measured in mB. Current range: 0 to 4096.
waveKeyEncodePowerUpperMargin [Wave Key Encode Power Upper Margin] (tnWaveKeyEncodePowerUpperMargin)	float	The amount that the input power could fluctuate by, measured in mB. Current range: 0 to 4096.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
waveKeyEncodePresentNwOutputPower [Wave Key Encode Present Nw Output Power] (tnWaveKeyEncodePresentNwOutputPower)	float	The present AC output power of the port (EVOA), measured in mBm. It is the power of the full optical signal. Current range: 0 to 4096.
waveKeyEncodeProgrammedNwOutputPower [Wave Key Encode Programmed Nw Output Power] (tnWaveKeyEncodeProgrammedNwOutputPower)	float	The programmed AC output power of the port (EVOA), measured in mBm. It is the power of the full optical signal. Current configurable range: -2000 to -300 (CAD or COF) -2000 to 200 (2.5 Gig transponders) -2000 to 400 (10 Gig and 40 Gig non-coherent transponders) -2000 to -550 (4 Gig dual port transponders) -1700 to 400 (40 Gig and 100 Gig coherent transponders).
<p>WaveTrackerKeyEntryStats</p> <p>MIB entry name: tnWtKeyEntry</p> <p>Entry description:</p> <p>Table description (for tnWtKeyTable): Through this table, a network operator may configure, with direction/channel granularity, expected Wave Keys and the power level of the Wave Keys. The network operator can also read back the present power level of the Wave Keys on a particular channel, if they are present.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: optical.WaveTrackerKeyEntry</p>		
wtkExpectedPower [Wtk Expected Power] (tnWtKeyExpectedPower)	float	The power, expressed in units of mBm, is associated with the expected Wave Keys. It is the average power of the Wave Keys. Note that this attribute can be changed by SCOT relatively frequently. So to avoid the possibility of too many change notifications, they will not be sent when this attribute is changed. It must be retrieved when needed. Current configurable range: -9900 to 1100.
wtkExpectedPowerDeviation [Wtk Expected Power Deviation] (tnWtKeyExpectedPowerDev)	float	The allowed deviation of the expected power, expressed in units of mB. Current configurable range: 0 to 1000.

Table 23 optical statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wtkPresentPower [Wtk Present Power] (tnWtkKeyPresentPower)	float	The power, expressed in units of mBm, associated with the received Wave Keys. The value will be the average, over the sampling interval, of the Wave Keys.
<p>WavekeyDecodeStats MIB entry name: tnWaveKeyDecodeEntry Entry description: Table description (for tnWaveKeyDecodeTable): This table is a compilation of attributes associated with Wave Key decode capable ports. Supports realtime plotting Supports scheduled collection Monitored class: optical.WavekeyDecodeSpecifics</p>		
maxPlannedLossIn [Max Planned Loss In] (tnWaveKeyDecodeMaxPlannedLossIn)	float	Current configurable range: -9900 to 5000.
maxPlannedLossOut [Max Planned Loss Out] (tnWaveKeyDecodeMaxPlannedLossOut)	float	Current configurable range: -9900 to 5000.
minPlannedLossIn [Min Planned Loss In] (tnWaveKeyDecodeMinPlannedLossIn)	float	Current configurable range: -9900 to 5000.
minPlannedLossOut [Min Planned Loss Out] (tnWaveKeyDecodeMinPlannedLossOut)	float	Current configurable range: -9900 to 5000.

Table 24 rmd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PortStats MIB entry name: tnRmdIfCountersEntry Entry description: A list of objects containing the counters of all interfaces of an RMD. Table description (for tnRmdIfCountersTable): A table containing the counters of all interfaces of all RMDs. Supports realtime plotting Supports scheduled collection Monitored class: rmd.Port		
bytesTransmitted [Bytes Transmitted] (tnRmdIfCountersTxNrBytes)	java. math. BigInteger	Number of transmitted bytes for this interface.
correctBytesReceived [Correct Bytes Received] (tnRmdIfCountersRxNrCorrectBytes)	java. math. BigInteger	Number of correctly received bytes for this interface.
correctFramesReceived [Correct Frames Received] (tnRmdIfCountersRxNrCorrectFrames)	java. math. BigInteger	Number of correctly received frames for this interface.
droppedQueueOverflowFramesReceived [Dropped Queue Overflow Frames Received] (tnRmdIfCountersRxNrDropped- QueueOverflowFrames)	java. math. BigInteger	Number of received frames for this interface which were dropped due to queue overflow.
erroredFcsFramesReceived [Errored Fcs Frames Received] (tnRmdIfCountersRxNrErroredFcsFrames)	java. math. BigInteger	Number of received frames for this interface which were errored FCS frames.

Table 24 rmd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
framesTransmitted [Frames Transmitted] (tnRmdIfCountersTxNrFrames)	java. math. BigInteger	Number of transmitted frames for this interface.
lengthErrorOrOtherErrorFramesReceived [Length Error Or Other Error Frames Received] (tnRmdIfCountersRxNrLengthErrorOrOtherErrorFrames)	java. math. BigInteger	Number of received frames for this interface which had a length or other error.
<p>TsopStats</p> <p>MIB entry name: tnRmdTsoplwfCountersEntry</p> <p>Entry description: A list of objects containing the counters of an IWF channel of a TSoP RMD.</p> <p>Table description (for tnRmdTsoplwfCountersTable): A table containing the counters of all IWF channels of all TSoP RMDs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rmd.TsopChannel</p>		
jbOverrun [Jb Overrun] (tnRmdTsoplwfCountersJbOverrun)	java. math. BigInteger	Number of jitter buffer overrun packets.
jbUnderrun [Jb Underrun] (tnRmdTsoplwfCountersJbUnderrun)	java. math. BigInteger	Number of jitter buffer underrun packets.
malformed [Malformed] (tnRmdTsoplwfCountersMalformedPackets)	java. math. BigInteger	Number of malformed packets.

Table 24 rmd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
misorderedDropped [Misordered Dropped] (tnRmdTsoplwfCountersMisorderedDroppedPackets)	java. math. BigInteger	Number of dropped misordered packets.
missing [Missing] (tnRmdTsoplwfCountersMissingPackets)	java. math. BigInteger	Number of missing packets.
playedOut [Played Out] (tnRmdTsoplwfCountersPlayedOutPackets)	java. math. BigInteger	Number of packets of which TDM payload is transmitted as received.
received [Received] (tnRmdTsoplwfCountersRxPackets)	java. math. BigInteger	Number of received packets.
reordered [Reordered] (tnRmdTsoplwfCountersReorderedPackets)	java. math. BigInteger	Number of reordered packets.
sent [Sent] (tnRmdTsoplwfCountersTxPackets)	java. math. BigInteger	Number of transmitted packets.

Table 25 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats MIB entry name: tnSapBaseStatsExtnEntry Entry description: Table description (for tnSapBaseStatsExtnTable): A table that contains ingress QoS SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
egressForwardedOctets [Egress Forwarded Octets] (tnSapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (tnSapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
ingressDroppedOctets [Ingress Dropped Octets] (tnSapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of Ingress Dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (tnSapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of Ingress Dropped packets.

Table 25 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (tnSapBaseStatsIngressExtraTagDroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (tnSapBaseStatsIngressExtraTagDroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (tnSapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (tnSapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (tnSapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (tnSapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.
SapEthernetPMStats MIB entry name: tnSapStatsEntry Entry description: Table description (for tnSapStatsTable): The tnSapStatsTable stores information of a SAP bin. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface		

Table 25 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
binId [Bin Id] (tnSapStatsBin)	int	The bin number, starting with bin 0.
binStatus [Bin Status] (tnSapStatsBinStatus)	int	This attribute indicates the validity of the bin.
egressForwardedOctets [Egress Forwarded Octets] (tnSapStatsEgressOctetsForwarded)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (tnSapStatsEgressPktsForwarded)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (tnSapStatsIngressOctetsDropped)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (tnSapStatsIngressPktsDropped)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (tnSapStatsIngressOctetsForwarded)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (tnSapStatsIngressPktsForwarded)	java. math. BigInteger	

Table 25 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interval [Interval] (tnSapStatsInterval)	int	The collection interval.
sapEncapValue [Sap Encap Value] (tnSapStatsEncapVal)	long	The encapsulation value.
startTime [Start Time] (tnSapStatsStartTime)	String	This attribute is the bin collection start date and time.
totalMembers [Total Members] (tnSapStatsTotalMembers)	int	This attribute is the total number of members in the bin.
<p>ServiceSapIngQosPlcyStats MIB entry name: tnSapIngQosMeterStatsEntry Entry description: Ingress statistics about a specific SAP's QoS meter. Table description (for tnSapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (tnSapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.

Table 25 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfPackets [Forwarded In Prof Packets] (tnSapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (tnSapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (tnSapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (tnSapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.

Table 26 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: tnSapIgmPsnpgStatsEntry</p> <p>Entry description: tnSapIgmPsnpgStatsEntry is an entry in the tnSapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for tnSapIgmPsnpgStatsTable): tnSapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap IgmPsnpg Import Policy Drops] (tnSapIgmPsnpgImportPolicyDrops)	long	The value of the object tnSapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap IgmPsnpg Max Num Groups Drops] (tnSapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object tnSapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap IgmPsnpg Rx Bad Encoded Pkts] (tnSapIgmPsnpgRxBadEncodedPkts)	long	The value of the object tnSapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap IgmPsnpg Rx Bad IgmP ChkSm Pkts] (tnSapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object tnSapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap IgmPsnpg Rx Bad Ip ChkSm Pkts] (tnSapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object tnSapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 26 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (tnSaplgmpSnpgrxBadLenPkts)	long	The value of the object tnSaplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (tnSaplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object tnSaplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (tnSaplgmpSnpgrxWrongVersionPkts)	long	The value of the object tnSaplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (tnSaplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object tnSaplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (tnSaplgmpSnpgrSendQueryCfgDrops)	long	The value of the object tnSaplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object tnSaplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'. L2AccessInterfaceIgmprSnpgrStats MIB entry name: tnSaplgmpSnpgrStatsEntry Entry description: tnSaplgmpSnpgrStatsEntry is an entry in the tnSaplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for tnSaplgmpSnpgrStatsTable): tnSaplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface

Table 26 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgFwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (tnSapIgmPsnPgFwdGenQueries)	long	The value of the object tnSapIgmPsnPgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
sapIgmPsnPgFwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (tnSapIgmPsnPgFwdGrpSpecQueries)	long	The value of the object tnSapIgmPsnPgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
sapIgmPsnPgFwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (tnSapIgmPsnPgFwdUnknownType)	long	The value of the object tnSapIgmPsnPgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
sapIgmPsnPgFwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (tnSapIgmPsnPgFwdV1Reports)	long	The value of the object tnSapIgmPsnPgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
sapIgmPsnPgFwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (tnSapIgmPsnPgFwdV2Leaves)	long	The value of the object tnSapIgmPsnPgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
sapIgmPsnPgFwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (tnSapIgmPsnPgFwdV2Reports)	long	The value of the object tnSapIgmPsnPgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
sapIgmPsnPgFwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (tnSapIgmPsnPgFwdV3Reports)	long	The value of the object tnSapIgmPsnPgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
sapIgmPsnPgRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (tnSapIgmPsnPgRxGenQueries)	long	The value of the object tnSapIgmPsnPgRxGenQueries indicates the number of IGMP General Queries received on this SAP.
sapIgmPsnPgRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (tnSapIgmPsnPgRxGrpSpecQueries)	long	The value of the object tnSapIgmPsnPgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 26 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (tnSaplgmpSnpgrxSrcSpecQueries)	long	The value of the object tnSaplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (tnSaplgmpSnpgrxUnknownType)	long	The value of the object tnSaplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (tnSaplgmpSnpgrxV1Reports)	long	The value of the object tnSaplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (tnSaplgmpSnpgrxV2Leaves)	long	The value of the object tnSaplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (tnSaplgmpSnpgrxV2Reports)	long	The value of the object tnSaplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (tnSaplgmpSnpgrxV3Reports)	long	The value of the object tnSaplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (tnSaplgmpSnpgrxTxGenQueries)	long	The value of the object tnSaplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (tnSaplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object tnSaplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (tnSaplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object tnSaplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 26 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGtxV1Reports [Sap Igmp SnpG Tx V1 Reports] (tnSaplgmpSnpGtxV1Reports)	long	The value of the object tnSaplgmpSnpGtxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpGtxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (tnSaplgmpSnpGtxV2Leaves)	long	The value of the object tnSaplgmpSnpGtxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpGtxV2Reports [Sap Igmp SnpG Tx V2 Reports] (tnSaplgmpSnpGtxV2Reports)	long	The value of the object tnSaplgmpSnpGtxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpGtxV3Reports [Sap Igmp SnpG Tx V3 Reports] (tnSaplgmpSnpGtxV3Reports)	long	The value of the object tnSaplgmpSnpGtxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.

13 1830 VWM OSU performance statistics counters

13.1 Performance statistics counters

13.1.1 Counters

Table 27 vwm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DdmDataMibStats MIB entry name: tnVwmMsDdmDataEntry Entry description: Entry in tnVwmMsDdmDataTable. Table description (for tnVwmMsDdmDataTable): VWMMS table for Digital Diagnostics Monitoring (DDM) Data of optical SFPs. Supports realtime plotting Does not support scheduled collection Monitored class: equipment.PhysicalPort</p>		
dDmDataType [DDMData Type] (tnVwmMsDdmDataType)	int	Identifies the DDM Data parameter.
ddmReceivedPower [Ddm Received Power] (tnVwmMsDdmDataValue)	double	The value of the DDM Data parameter. The following units and granularities are applied, depending on the value of object tnVwmMsDdmDataType : - ddmVoltage : Volt - 0.0001 Volt - ddmTemperature : Degrees Celsius - 0.1 degrees - ddmLaserBiasCurrent : mA - 0.001 mA - ddmTransmittedPower : dBm - 0.1 dBm - ddmReceivedPower : dBm - 0.1 dBm

14 7210 SAS Sx performance statistics counters

14.1 Performance statistics counters

14.1.1 Counters

Table 28 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 28 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
MacHitCountStats MIB entry name: tMacFilterParamsEntry Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile. Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters. Supports realtime plotting Supports scheduled collection Monitored class: acfilter.MacFilterEntry		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 28 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 29 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 29 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 29 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 30 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV. voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress- QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress- QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress- QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress- QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
portAccessEgressQueueStatsMcDropOcts [Port Access Egress Queue Stats Mc Drop Octs] (tmnxPortAccessEgress- QueueStatsMCDroOcts)	java. math. BigInte- ger	tmnxPortAccessEgressQueueStatsMCDroOcts indicates the number of dropped access egress multicast octets on this port using this multicast queue.
portAccessEgressQueueStatsMcDropPkts [Port Access Egress Queue Stats Mc Drop Pkts] (tmnxPortAccessEgress- QueueStatsMCDroPkts)	java. math. BigInte- ger	tmnxPortAccessEgressQueueStatsMCDroPkts indicates the number of dropped access egress multicast octets on this port using this multicast queue.
portAccessEgressQueueStatsMcFwdOcts [Port Access Egress Queue Stats Mc Fwd Octs] (tmnxPortAccessEgress- QueueStatsMCFwdOcts)	java. math. BigInte- ger	tmnxPortAccessEgressQueueStatsMCFwdOcts indicates the number of forwarded access egress multicast octets on this port using this out-profile queue.
portAccessEgressQueueStatsMcFwdPkts [Port Access Egress Queue Stats Mc Fwd Pkts] (tmnxPortAccessEgress- QueueStatsMCFwdPkts)	java. math. BigInte- ger	tmnxPortAccessEgressQueueStatsMCFwdPkts indicates the number of forwarded access egress multicast octets on this port using this out-profile queue.
portAccessEgressQueueStatsUcDropOcts [Port Access Egress Queue Stats Uc Drop Octs] (tmnxPortAccessEgress- QueueStatsUCDroOcts)	java. math. BigInte- ger	tmnxPortAccessEgressQueueStatsUCDroOcts indicates the number of dropped access egress unicast octets on this port using this unicast queue.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsUcDropPkts [Port Access Egress Queue Stats Uc Drop Pkts] (tmnxPortAccessEgress-QueueStatsUCDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsUCDroPkts indicates the number of dropped access egress unicast octets on this port using this unicast queue.
portAccessEgressQueueStatsUcFwdOcts [Port Access Egress Queue Stats Uc Fwd Octs] (tmnxPortAccessEgress-QueueStatsUCFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsUCFwdOcts indicates the number of forwarded access egress unicast octets on this port using this unicast queue.
portAccessEgressQueueStatsUcFwdPkts [Port Access Egress Queue Stats Uc Fwd Pkts] (tmnxPortAccessEgress-QueueStatsUCFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsUCFwdPkts indicates the number of forwarded access egress unicast octets on this port using this unicast queue.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
portNetEgressQueueStatsMcDropOcts [Port Net Egress Queue Stats Mc Drop Octs] (tmnxPortNetEgressQueueStatsM- CDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsMCDroOcts indicates the number of dropped network egress multicast octets on this port using this multicast queue.
portNetEgressQueueStatsMcDropPkts [Port Net Egress Queue Stats Mc Drop Pkts] (tmnxPortNetEgressQueueStatsM- CDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsMCDroPkts indicates the number of dropped network egress multicast octets on this port using this multicast queue.
portNetEgressQueueStatsMcFwdOcts [Port Net Egress Queue Stats Mc Fwd Octs] (tmnxPortNetEgressQueueStatsM- CFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsMCFwdOcts indicates the number of forwarded network egress multicast octets on this port using this out-profile queue.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsMcFwdPkts [Port Net Egress Queue Stats Mc Fwd Pkts] (tmnxPortNetEgressQueueStatsM- CFwdPkts)	java. math. BigInte- ger	tmnxPortNetEgressQueueStatsMCFwdPkts indicates the number of forwarded network egress multicast octets on this port using this out-profile queue.
portNetEgressQueueStatsUcDropOcts [Port Net Egress Queue Stats Uc Drop Octs] (tmnxPortNetEgressQueueStat- sUCDroOcts)	java. math. BigInte- ger	tmnxPortNetEgressQueueStatsUCDroOcts indicates the number of dropped network egress unicast octets on this port using this unicast queue.
portNetEgressQueueStatsUcDropPkts [Port Net Egress Queue Stats Uc Drop Pkts] (tmnxPortNetEgressQueueStatsUCDroPkts)	java. math. BigInte- ger	tmnxPortNetEgressQueueStatsUCDroPkts indicates the number of dropped network egress unicast octets on this port using this unicast queue.
portNetEgressQueueStatsUcFwdOcts [Port Net Egress Queue Stats Uc Fwd Octs] (tmnxPortNetEgressQueueStat- sUCFwdOcts)	java. math. BigInte- ger	tmnxPortNetEgressQueueStatsUCFwdOcts indicates the number of forwarded network egress unicast octets on this port using this unicast queue.
portNetEgressQueueStatsUcFwdPkts [Port Net Egress Queue Stats Uc Fwd Pkts] (tmnxPortNetEgressQueueStat- sUCFwdPkts)	java. math. BigInte- ger	tmnxPortNetEgressQueueStatsUCFwdPkts indicates the number of forwarded network egress unicast octets on this port using this unicast queue.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.
<p>UplinkPortNetIngressStats MIB entry name: tmnxSASPortNetIngressStatsEntry Entry description: Defines an entry in tmnxSASPortNetIngressStatsTable. Entries are created and deleted by the system depending on the meter policy being used at the specific port. Table description (for tmnxSASPortNetIngressStatsTable): Defines the Nokia SAS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical Meters being used for the ports to forward the network ingress traffic. Supports realtime plotting Does not support scheduled collection Monitored class: equipment.PhysicalPort</p>		
portNetIngressFwdInProfOcts [Port Net Ingress Fwd In Prof Octs] (tmnxSASPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this meter.
portNetIngressFwdInProfPkts [Port Net Ingress Fwd In Prof Pkts] (tmnxSASPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this meter.

Table 30 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetIngressFwdOutProfOcts [Port Net Ingress Fwd Out Prof Octs] (tmnxSASPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this meter.
portNetIngressFwdOutProfPkts [Port Net Ingress Fwd Out Prof Pkts] (tmnxSASPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this meter.
portNetIngressMeterIndex [Port Net Ingress Meter Index] (tmnxSASPortNetIngressMeterIndex)	long	'tmnxSASPortNetIngressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress meter for the specified port in the managed system.

Table 31 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 31 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 31 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 32 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
<p>delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)</p>	<p>long</p>	<p>The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).</p>

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 32 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavailIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavailIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 32 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 33 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 33 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 33 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 33 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 34 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisStatsCSNPDrop)	long	The value of the object tmnxIisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIisStatsCSNPRecd)	long	The value of the object tmnxIisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisStatsCSNPRetrans)	long	The value of the object tmnxIisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIisStatsCSNPSent)	long	The value of the object tmnxIisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIisStatsIIHDrop)	long	The value of the object tmnxIisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsIIHDrop.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPRetrans)	long	The value of the object tmnxIisisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownRetrans)	long	The value of the object tmnxIisisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
<p>SiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 34 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 35 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp</p>		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 35 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 35 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.

Table 35 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 36 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 36 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 37 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 37 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrawIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrawOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 37 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRcv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 37 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRecv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 37 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 37 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 37 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 37 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4InactivesIf)	long	The value of vLdpNgStatsIPv4InactivesIf specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 37 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 37 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 38 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 38 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 38 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 38 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 39 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 39 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats MIB entry name: vRtrMplsLspPathStatEntry Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Supports realtime plotting Supports scheduled collection Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 39 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 39 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 39 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 39 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 40 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 40 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 40 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 40 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 40 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 41 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 41 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 41 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 42 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamLfRxDBDs)	long	The value of tmnxOspfShamLfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervls)	long	The value of tmnxOspfVirtIfBadHelloIntervls indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 42 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 43 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 43 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 43 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 43 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 43 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 43 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 44 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertizements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertizements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertizement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats</p> <p>MIB entry name: vRtrPimNgGrpSrcStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGrpSrcStatTable.</p> <p>Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 44 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 45 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 45 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 46 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIflcmp6InNbrAdvertisements)	long	The value of vRtrIflcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIflcmp6OutGrpMembReductions)	long	The value of vRtrIflcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIflcmp6OutGrpMembResponses)	long	The value of vRtrIflcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIflcmp6OutNbrAdvertisements)	long	The value of vRtrIflcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIflcmp6OutNbrSolicits)	long	The value of vRtrIflcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 46 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIfIcmp6OutMsgs)	long	The value of vRtrIfIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 47 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)}'). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <code>_CfgSessName _CfgMeasIntvlDuration _CfgMeasIntvlsStored ##### ##### 'mySess1' 'mi15Minutes(2)' 3</code> Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <code>_CfgSessName _StsBaseTestType _StsIntvlDuration _StsIntvlNum ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4</code> The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <code>_CfgSessName _StsBaseTestType _StsIntvlDuration _StsIntvlNum ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5</code> The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwEntry</p> <p>Entry description: tmnxOamPmStsLossTwEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwTable): tmnxOamPmStsLossTwTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwAvailIndBwd)	long	The value of tmnxOamPmStsLossTwAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwAvailIndFwd)	long	The value of tmnxOamPmStsLossTwAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwiChliBwd)	long	The value of tmnxOamPmStsLossTwiChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwiChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwiChliFwd)	long	The value of tmnxOamPmStsLossTwiChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwiHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwiHliBwd)	long	The value of tmnxOamPmStsLossTwiHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwiHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwiHliFwd)	long	The value of tmnxOamPmStsLossTwiHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwiMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwiMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwiMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwiMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwiMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwiMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwiMinFlrBwd)	float	The value of tmnxOamPmStsLossTwiMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwiMinFlrFwd)	float	The value of tmnxOamPmStsLossTwiMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwiRxBwd)	long	The value of tmnxOamPmStsLossTwiRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwiRxFwd)	long	The value of tmnxOamPmStsLossTwiRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiTxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwiTxBwd)	long	The value of tmnxOamPmStsLossTwiTxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiTxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwiTxFwd)	long	The value of tmnxOamPmStsLossTwiTxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwiUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwiUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 47 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwIReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwIRflEntry</p> <p>Entry description: tmnxOamPmStsTwIRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwIRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwIRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwIRflEntry.</p> <p>Table description (for tmnxOamPmStsTwIRflTable): tmnxOamPmStsTwIRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwIReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 48 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 48 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 48 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		

Table 48 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
egressSapPolicerDroppedOctets [Egress Sap Policer Dropped Octets] (sapBaseStatsEgressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
egressSapPolicerDroppedPackets [Egress Sap Policer Dropped Packets] (sapBaseStatsEgressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets

Table 48 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTagDroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.
<p>ServiceSapIngQosPlcyStats</p> <p>MIB entry name: sapIngQosMeterStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS meter.</p> <p>Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 48 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional		

Table 48 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 49 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 49 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 49 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 50 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 50 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 50 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats</p> <p>MIB entry name: sdpBindIgmppSnpStatsEntry</p> <p>Entry description: sdpBindIgmppSnpStatsEntry is an entry in the sdpBindIgmppSnpStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmppSnpStatsTable): sdpBindIgmppSnpStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpRxBadEncodedPkts [Sdp Bnd Igmpp Snp Rx Bad Encoded Pkts] (sdpBndIgmppSnpRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 50 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.

Table 50 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBndIgmPsnpgStatsEntry</p> <p>Entry description: sdpBndIgmPsnpgStatsEntry is an entry in the sdpBndIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBndIgmPsnpgStatsTable): sdpBndIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd Igm Psnpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd Igm Psnpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd Igm Psnpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd Igm Psnpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd Igm Psnpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 50 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 50 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 51 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveClockRecoveryStats</p> <p>MIB entry name: aluPortAcrClkStatsEntry</p> <p>Entry description: Defines an entry in aluPortAcrClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortAcrClkStatsTable): Defines the Nokia SAR series port adaptive clock recovery (ACR) statistics table for providing, via SNMP, the capability of retrieving statistical information relating to clock that is derived from the ACR CPIPE PW.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
freqOffsetMeanPastDay [Freq Offset Mean Past Day] (aluCurrent24HourFreqOffsetMeanPpb)	long	aluCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetMeanPastMinute [Freq Offset Mean Past Minute] (aluCurrent1MinFreqOffsetMeanPpb)	long	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
freqOffsetStdDevPastDay [Freq Offset Std Dev Past Day] (aluCurrent24HourFreqOffsetStdDevPpb)	long	aluCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetStdDevPastMinute [Freq Offset Std Dev Past Minute] (aluCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
phaseErrorMeanPastMinuteTime [Phase Error Mean Past Minute Time] (aluCurrent1MinPhaseErrorMeanNs)	long	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 51 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
phaseErrorStdDevPastMinute [Phase Error Std Dev Past Minute] (aluCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.
<p>DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESSs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).

Table 51 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESS)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESS)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
<p>DS1IntervalStats</p> <p>MIB entry name: dsx1IntervalEntry</p> <p>Entry description: An entry in the DS1 Interval table.</p> <p>Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESS)	long	The number of Bursty Errored Seconds.

Table 51 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESSs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.

Table 51 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.
<p>DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.

Table 51 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESSs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 52 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap IgmPsnpg Import Policy Drops] (sapIgmPsnpgImportPolicyDrops)	long	The value of the object sapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap IgmPsnpg Max Num Groups Drops] (sapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap IgmPsnpg Rx Bad Encoded Pkts] (sapIgmPsnpgRxBadEncodedPkts)	long	The value of the object sapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap IgmPsnpg Rx Bad IgmP ChkSm Pkts] (sapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap IgmPsnpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 52 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp Snpgrx Bad Len Pkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp Snpgrx No Rtr Alert Pkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp Snpgrx Wrong Version Pkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp Snpgrx Zero Src Adr Pkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp Snpgr Send Query Cfg Drops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmprSnpgrStats</p> <p>MIB entry name: saplgmpSnpgrStatsEntry</p> <p>Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 52 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 52 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 52 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGtxV1Reports [Sap Igmp SnpG Tx V1 Reports] (saplgmpSnpGtxV1Reports)	long	The value of the object saplgmpSnpGtxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpGtxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (saplgmpSnpGtxV2Leaves)	long	The value of the object saplgmpSnpGtxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpGtxV2Reports [Sap Igmp SnpG Tx V2 Reports] (saplgmpSnpGtxV2Reports)	long	The value of the object saplgmpSnpGtxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpGtxV3Reports [Sap Igmp SnpG Tx V3 Reports] (saplgmpSnpGtxV3Reports)	long	The value of the object saplgmpSnpGtxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats MIB entry name: saplgmpSnpGStatsEntry Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpGMvrFromVplsCfgDrops [Sap Igmp SnpG Mvr From Vpls Cfg Drops] (saplgmpSnpGMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpGMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpGCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpGMvrToSapCfgDrops [Sap Igmp SnpG Mvr To Sap Cfg Drops] (saplgmpSnpGMvrToSapCfgDrops)	long	The value of the object saplgmpSnpGMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpGCfgMvrToSapPortId and saplgmpSnpGCfgMvrToSapEncapVal configuration on this SAP.

Table 52 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPkts [Sap Tls Dhcp Stats Clnt Prox LSPkts] (sapTlsDhcpStatsClntProxLSPkts)	long	The value of the object sapTlsDhcpStatsClntProxLSPkts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPkts [Sap Tls Dhcp Stats Clnt Prox Rad Pkts] (sapTlsDhcpStatsClntProxRadPkts)	long	The value of the object sapTlsDhcpStatsClntProxRadPkts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPkts [Sap Tls Dhcp Stats Clnt Snoopd Pkts] (sapTlsDhcpStatsClntSnoopdPkts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPkts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 52 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSvrDropdPckts [Sap Tls Dhcp Stats Svr Dropd Pckts] (sapTlsDhcpStatsSvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSvrForwdPckts [Sap Tls Dhcp Stats Svr Forwd Pckts] (sapTlsDhcpStatsSvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSvrSnoopdPckts [Sap Tls Dhcp Stats Svr Snoopd Pckts] (sapTlsDhcpStatsSvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 53 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 53 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 53 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

15 7210 SAS-D performance statistics counters

15.1 Performance statistics counters

15.1.1 Counters

Table 54 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 54 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 54 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 55 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress-QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped access egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress-QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress-QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress-QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 55 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UplinkPortNetIngressStats</p> <p>MIB entry name: tmnxSASPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxSASPortNetIngressStatsTable. Entries are created and deleted by the system depending on the meter policy being used at the specific port.</p> <p>Table description (for tmnxSASPortNetIngressStatsTable): Defines the Nokia SAS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical Meters being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetIngressFwdInProfOcts [Port Net Ingress Fwd In Prof Octs] (tmnxSASPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this meter.
portNetIngressFwdInProfPkts [Port Net Ingress Fwd In Prof Pkts] (tmnxSASPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this meter.
portNetIngressFwdOutProfOcts [Port Net Ingress Fwd Out Prof Octs] (tmnxSASPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this meter.
portNetIngressFwdOutProfPkts [Port Net Ingress Fwd Out Prof Pkts] (tmnxSASPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this meter.
portNetIngressMeterIndex [Port Net Ingress Meter Index] (tmnxSASPortNetIngressMeterIndex)	long	'tmnxSASPortNetIngressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress meter for the specified port in the managed system.

Table 56 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 56 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 56 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 57 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 58 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp</p>		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 58 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 59 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 59 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 59 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 59 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 60 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 60 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 60 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 61 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 61 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 61 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 61 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 61 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 61 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 62 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
PTPPeerPacketStats MIB entry name: tmnxPtpPeerPacketStatsEntry Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system. Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP). Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPPeer		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 62 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 63 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIfIcmp6InNbrAdvertisements)	long	The value of vRtrIfIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIfIcmp6InNbrSolicits)	long	The value of vRtrIfIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIfIcmp6InPktTooBigs)	long	The value of vRtrIfIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIfIcmp6InRedirects)	long	The value of vRtrIfIcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outEchoReplies [Out Echo Replies] (vRtrIfIcmp6OutEchoReplies)	long	The value of vRtrIfIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIfIcmp6OutEchos)	long	The value of vRtrIfIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIfIcmp6OutErrors)	long	The value of vRtrIfIcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIfIcmp6OutGrpMembQueries)	long	The value of vRtrIfIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.

Table 63 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.
outTotalMessages [Out Total Messages] (vRtrIflcmp6OutMsgs)	long	The value of vRtrIflcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 64 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.

Table 64 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.

Table 64 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: settingUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 64 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 64 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.

Table 64 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 65 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
egressSapPolicerDroppedOctets [Egress Sap Policer Dropped Octets] (sapBaseStatsEgressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.

Table 65 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressSapPolicerDroppedPackets [Egress Sap Policer Dropped Packets] (sapBaseStatsEgressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTag- DroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.

Table 65 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.
<p>ServiceSapInqQosPlcyStats MIB entry name: sapInqQosMeterStatsEntry Entry description: Ingress statistics about a specific SAP's QoS meter. Table description (for sapInqQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (sapInqQosMeterStatsForwardedInProfOctets)	java.math.BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapInqQosMeterStatsForwardedInProfPackets)	java.math.BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapInqQosMeterStatsForwardedOutProfOctets)	java.math.BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.

Table 65 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional		
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInte- ger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInte- ger	The Latency measured for this test

Table 65 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 66 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 67 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap IgmPsnpg Import Policy Drops] (sapIgmPsnpgImportPolicyDrops)	long	The value of the object sapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap IgmPsnpg Max Num Groups Drops] (sapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap IgmPsnpg Rx Bad Encoded Pkts] (sapIgmPsnpgRxBadEncodedPkts)	long	The value of the object sapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap IgmPsnpg Rx Bad IgmP ChkSm Pkts] (sapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap IgmPsnpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 67 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp Snpgrx Bad Len Pkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp Snpgrx No Rtr Alert Pkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp Snpgrx Wrong Version Pkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp Snpgrx Zero Src Adr Pkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp Snpgr Send Query Cfg Drops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmprSnpgrStats</p> <p>MIB entry name: saplgmpSnpgrStatsEntry</p> <p>Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 67 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 67 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 67 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGtxV1Reports [Sap Igmp SnpG Tx V1 Reports] (saplgmpSnpGtxV1Reports)	long	The value of the object saplgmpSnpGtxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpGtxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (saplgmpSnpGtxV2Leaves)	long	The value of the object saplgmpSnpGtxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpGtxV2Reports [Sap Igmp SnpG Tx V2 Reports] (saplgmpSnpGtxV2Reports)	long	The value of the object saplgmpSnpGtxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpGtxV3Reports [Sap Igmp SnpG Tx V3 Reports] (saplgmpSnpGtxV3Reports)	long	The value of the object saplgmpSnpGtxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats MIB entry name: saplgmpSnpGStatsEntry Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpGMvrFromVplsCfgDrops [Sap Igmp SnpG Mvr From Vpls Cfg Drops] (saplgmpSnpGMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpGMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpGCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpGMvrToSapCfgDrops [Sap Igmp SnpG Mvr To Sap Cfg Drops] (saplgmpSnpGMvrToSapCfgDrops)	long	The value of the object saplgmpSnpGMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpGCfgMvrToSapPortId and saplgmpSnpGCfgMvrToSapEncapVal configuration on this SAP.

Table 67 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
L2AccessIrfDhcpRelayCfgStats MIB entry name: sapTlsDhcpStatsEntry Entry description: DHCP statistics for a TLS SAP. Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPkts [Sap Tls Dhcp Stats Clnt Prox LSPkts] (sapTlsDhcpStatsClntProxLSPkts)	long	The value of the object sapTlsDhcpStatsClntProxLSPkts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPkts [Sap Tls Dhcp Stats Clnt Prox Rad Pkts] (sapTlsDhcpStatsClntProxRadPkts)	long	The value of the object sapTlsDhcpStatsClntProxRadPkts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPkts [Sap Tls Dhcp Stats Clnt Snoopd Pkts] (sapTlsDhcpStatsClntSnoopdPkts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPkts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 67 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSvrDropdPckts [Sap Tls Dhcp Stats Svr Dropd Pckts] (sapTlsDhcpStatsSvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSvrForwdPckts [Sap Tls Dhcp Stats Svr Forwd Pckts] (sapTlsDhcpStatsSvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSvrSnoopdPckts [Sap Tls Dhcp Stats Svr Snoopd Pckts] (sapTlsDhcpStatsSvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

16 7210 SAS-E performance statistics counters

16.1 Performance statistics counters

16.1.1 Counters

Table 68 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		

Table 68 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 69 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV. voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress- QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped access egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress- QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress- QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress- QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 69 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UplinkPortNetIngressStats</p> <p>MIB entry name: tmnxSASPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxSASPortNetIngressStatsTable. Entries are created and deleted by the system depending on the meter policy being used at the specific port.</p> <p>Table description (for tmnxSASPortNetIngressStatsTable): Defines the Nokia SAS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical Meters being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetIngressFwdInProfOcts [Port Net Ingress Fwd In Prof Octs] (tmnxSASPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this meter.
portNetIngressFwdInProfPkts [Port Net Ingress Fwd In Prof Pkts] (tmnxSASPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this meter.
portNetIngressFwdOutProfOcts [Port Net Ingress Fwd Out Prof Octs] (tmnxSASPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this meter.
portNetIngressFwdOutProfPkts [Port Net Ingress Fwd Out Prof Pkts] (tmnxSASPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this meter.
portNetIngressMeterIndex [Port Net Ingress Meter Index] (tmnxSASPortNetIngressMeterIndex)	long	'tmnxSASPortNetIngressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress meter for the specified port in the managed system.

Table 70 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats MIB entry name: etherStatsHighCapacityEntry Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate. Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort</p>		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 70 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 70 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 71 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 72 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 72 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 73 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 73 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 73 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 73 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 74 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 74 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 74 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 75 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 75 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 75 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 75 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 75 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 75 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 76 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DhcpRelayStats MIB entry name: vRtrIfDHCPRelayStatsEntry Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 76 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 76 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
RouteStats MIB entry name: vRtrStatEntry Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.

Table 76 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.

Table 77 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.

Table 77 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInte- ger	The number of Ingress Extra Tag Dropped octets
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTag- DroppedPackets)	java. math. BigInte- ger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInte- ger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInte- ger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.

Table 77 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ServiceSapIngQosPlcyStats</p> <p>MIB entry name: sapIngQosMeterStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS meter.</p> <p>Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 77 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.

Table 78 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 79 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap IgmPsnpg Import Policy Drops] (sapIgmPsnpgImportPolicyDrops)	long	The value of the object sapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap IgmPsnpg Max Num Groups Drops] (sapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap IgmPsnpg Rx Bad Encoded Pkts] (sapIgmPsnpgRxBadEncodedPkts)	long	The value of the object sapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap IgmPsnpg Rx Bad IgmP ChkSm Pkts] (sapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap IgmPsnpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 79 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgRxBadLenPkts [Sap Igmp Snpg Rx Bad Len Pkts] (sapIgmPsnPgRxBadLenPkts)	long	The value of the object sapIgmPsnPgRxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
sapIgmPsnPgRxNoRtrAlertPkts [Sap Igmp Snpg Rx No Rtr Alert Pkts] (sapIgmPsnPgRxNoRtrAlertPkts)	long	The value of the object sapIgmPsnPgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapIgmPsnPgRxWrongVersionPkts [Sap Igmp Snpg Rx Wrong Version Pkts] (sapIgmPsnPgRxWrongVersionPkts)	long	The value of the object sapIgmPsnPgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
sapIgmPsnPgRxZeroSrcAdrPkts [Sap Igmp Snpg Rx Zero Src Adr Pkts] (sapIgmPsnPgRxZeroSrcAdrPkts)	long	The value of the object sapIgmPsnPgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
sapIgmPsnPgSendQueryCfgDrops [Sap Igmp Snpg Send Query Cfg Drops] (sapIgmPsnPgSendQueryCfgDrops)	long	The value of the object sapIgmPsnPgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmPsnPgCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmPsnPgStats</p> <p>MIB entry name: sapIgmPsnPgStatsEntry</p> <p>Entry description: sapIgmPsnPgStatsEntry is an entry in the sapIgmPsnPgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnPgStatsTable): sapIgmPsnPgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 79 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 79 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 79 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGtxV1Reports [Sap Igmp SnpG Tx V1 Reports] (saplgmpSnpGtxV1Reports)	long	The value of the object saplgmpSnpGtxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpGtxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (saplgmpSnpGtxV2Leaves)	long	The value of the object saplgmpSnpGtxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpGtxV2Reports [Sap Igmp SnpG Tx V2 Reports] (saplgmpSnpGtxV2Reports)	long	The value of the object saplgmpSnpGtxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpGtxV3Reports [Sap Igmp SnpG Tx V3 Reports] (saplgmpSnpGtxV3Reports)	long	The value of the object saplgmpSnpGtxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats MIB entry name: saplgmpSnpGStatsEntry Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpGMvrFromVplsCfgDrops [Sap Igmp SnpG Mvr From Vpls Cfg Drops] (saplgmpSnpGMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpGMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpGCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpGMvrToSapCfgDrops [Sap Igmp SnpG Mvr To Sap Cfg Drops] (saplgmpSnpGMvrToSapCfgDrops)	long	The value of the object saplgmpSnpGMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpGCfgMvrToSapPortId and saplgmpSnpGCfgMvrToSapEncapVal configuration on this SAP.

Table 79 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPkts [Sap Tls Dhcp Stats Clnt Prox LSPkts] (sapTlsDhcpStatsClntProxLSPkts)	long	The value of the object sapTlsDhcpStatsClntProxLSPkts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPkts [Sap Tls Dhcp Stats Clnt Prox Rad Pkts] (sapTlsDhcpStatsClntProxRadPkts)	long	The value of the object sapTlsDhcpStatsClntProxRadPkts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPkts [Sap Tls Dhcp Stats Clnt Snoopd Pkts] (sapTlsDhcpStatsClntSnoopdPkts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPkts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 79 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSvrDropdPckts [Sap Tls Dhcp Stats Svr Dropd Pckts] (sapTlsDhcpStatsSvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSvrForwdPckts [Sap Tls Dhcp Stats Svr Forwd Pckts] (sapTlsDhcpStatsSvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSvrSnoopdPckts [Sap Tls Dhcp Stats Svr Snoopd Pckts] (sapTlsDhcpStatsSvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

17 7210 SAS-K performance statistics counters

17.1 Performance statistics counters

17.1.1 Counters

Table 80 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 80 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 80 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 81 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcpServerPoolStats</p> <p>MIB entry name: tmnxDhcpSvrPoolStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrPoolStatsTable represents additional columns of operational data for a pool that belongs to the specified DHCP server instance.</p> <p>Table description (for tmnxDhcpSvrPoolStatsTable): The tmnxDhcpSvrPoolStatsTable has an entry for each pool that belongs to the specified DHCP server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.AddressPool</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrPoolStatsDeclined)	long	The value of tmnxDhcpSvrPoolStatsDeclined indicates the number of addresses in this pool that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrPoolStatsHasExt)	boolean	The value of tmnxDhcpSvrPoolStatsHasExt indicates whether the extended statistics collection for this pool is enabled.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFRPending)	long	The value of tmnxDhcpSvrPoolStatsFRPending indicates the number of leases in this pool that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrPoolStatsFree)	long	The value of tmnxDhcpSvrPoolStatsFree indicates the number of addresses in this pool that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrPoolStatsOfferP)	long	The value of tmnxDhcpSvrPoolStatsOfferP indicates the highest value of tmnxDhcpSvrPoolStatsOffered since the last reset of the extended statistics.
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctP)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrPoolStatsFoUsdPct since the last reset of the extended statistics.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctP)	int	The value of tmnxDhcpSvrPoolStatsUsedPctP indicates the highest value of tmnxDhcpSvrPoolStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferP)	long	The value of tmnxDhcpSvrPoolStatsFoOfferP indicates the highest value of tmnxDhcpSvrPoolStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStableP)	long	The value of tmnxDhcpSvrPoolStatsFoStableP indicates the highest value of tmnxDhcpSvrPoolStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrPoolStatsStableP)	long	The value of tmnxDhcpSvrPoolStatsStableP indicates the highest value of tmnxDhcpSvrPoolStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrPoolStatsProv)	long	The value of tmnxDhcpSvrPoolStatsProv indicates the total number of local addresses in this pool that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctP)	int	The value of tmnxDhcpSvrPoolStatsFreePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctP)	int	The value of tmnxDhcpSvrPoolStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedP)	long	The value of tmnxDhcpSvrPoolStatsFoUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrPoolStatsUsedP)	long	The value of tmnxDhcpSvrPoolStatsUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLeases [Offered Leases] (tmnxDhcpSvrPoolStatsOffered)	long	The value of tmnxDhcpSvrPoolStatsOffered indicates the number of leases in this pool that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePct)	int	The value of tmnxDhcpSvrPoolStatsFreePct indicates the percentage of subnets currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePct)	int	The value of tmnxDhcpSvrPoolStatsFoFrePct indicates the percentage of remote subnets currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPct)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPct indicates the percentage of remote subnets currently in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPct)	int	The value of tmnxDhcpSvrPoolStatsUsedPct indicates the percentage of subnets currently in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrPoolStatsFreeP)	long	The value of tmnxDhcpSvrPoolStatsFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreeP)	long	The value of tmnxDhcpSvrPoolStatsFoFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrPoolStatsFoDeclined)	long	The value of tmnxDhcpSvrPoolStatsFoDeclined indicates the number of remote addresses in this pool that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFoFRPend)	long	The value of tmnxDhcpSvrPoolStatsFoFRPend indicates the number of remote leases in this pool that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFree)	long	The value of tmnxDhcpSvrPoolStatsFoFree indicates the number of remote addresses in this pool that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOffered)	long	The value of tmnxDhcpSvrPoolStatsFoOffered indicates the number of remote leases in this pool that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrPoolStatsFoProv)	long	The value of tmnxDhcpSvrPoolStatsFoProv indicates the total number of remote addresses in this pool that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrPoolStatsFoRemPend)	long	The value of tmnxDhcpSvrPoolStatsFoRemPend indicates the number of remote leases in this pool that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStable)	long	The value of tmnxDhcpSvrPoolStatsFoStable indicates the number of remote leases in this pool that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrPoolStatsRemPending)	long	The value of tmnxDhcpSvrPoolStatsRemPending indicates the number of leases in this pool that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrPoolStatsStable)	long	The value of tmnxDhcpSvrPoolStatsStable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrPoolStatsExtResetT)	long	The value of tmnxDhcpSvrPoolStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrPoolStatsFreePT)	long	The value of tmnxDhcpSvrPoolStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrPoolStatsOfferPT)	long	The value of tmnxDhcpSvrPoolStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctPT)	long	The value of tmnxDhcpSvrPoolStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctPT)	long	The value of tmnxDhcpSvrPoolStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFrePctP.
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsdPctP.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreePT)	long	The value of tmnxDhcpSvrPoolStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferPT)	long	The value of tmnxDhcpSvrPoolStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStablePT)	long	The value of tmnxDhcpSvrPoolStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsedP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrPoolStatsUsedPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedP.
timeSinceStableLeases [Time Since Stable Leases] (tmnxDhcpSvrPoolStatsStablePT)	long	The value of tmnxDhcpSvrPoolStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsStableP.
usedLeases [Used Leases] (tmnxDhcpSvrPoolStatsUsed)	long	The value of tmnxDhcpSvrPoolStatsUsed indicates the number of provisioned and used subnets.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrPoolStatsFoUsed)	long	The value of tmnxDhcpSvrPoolStatsFoUsed indicates the number of provisioned and used remote subnets.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcpServerStats</p> <p>MIB entry name: tmnxDhcpServerStatsEntry</p> <p>Entry description: Each row entry contains basic statistics about a particular DHCP server instance.</p> <p>Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcpServer</p>		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
dropAudit [Drop Audit] (tmnxDhcpSvrStatsDropAudit)	long	The value of tmnxDhcpSvrStatsDropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.
dropIntConflicts [Drop Int Conflicts] (tmnxDhcpSvrStatsDropIntConflicts)	long	The value of tmnxDhcpSvrStatsDropIntConflicts indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropMaxReached [Drop Max Reached] (tmnxDhcpSvrStatsDropMaxReached)	long	The value of tmnxDhcpSvrStatsDropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
dropNoSubnet [Drop No Subnet] (tmnxDhcpSvrStatsDropNoSubnet)	long	The value of tmnxDhcpSvrStatsDropNoSubnet indicates the number of DHCP packets dropped by the server instance for user-db hosts with a fixed address because the subnet to which the address belongs is not configured.
dropSvrDown [Drop Svr Down] (tmnxDhcpSvrStatsDropSvrDown)	long	The value of tmnxDhcpSvrStatsDropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
dropTxFailed [Drop Tx Failed] (tmnxDhcpSvrStatsDropTxFailed)	long	The value of tmnxDhcpSvrStatsDropTxFailed indicates the number of DHCP responses dropped because this server instance could not transmit it.
droppedDhcpReqDiffGatewayIP [Dropped Dhcp Req Diff Gateway IP] (tmnxDhcpSvrStatsDropDuplDiffGi)	long	The value of tmnxDhcpSvrStatsDropDuplDiffGi indicates the number of DHCP requests dropped by the server instance because they were received from a different Gateway IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
internalCallsFailoverDropped [Internal Calls Failover Dropped] (tmnxDhcpSvrStatsDropIntWithFo)	long	The value of tmnxDhcpSvrStatsDropIntWithFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalCallsLocalUserDbDropped [Internal Calls Local User Db Dropped] (tmnxDhcpSvrStatsDropIntWithLudb)	long	The value of tmnxDhcpSvrStatsDropIntWithLudb indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because a local user database is attached to the server instance.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCPOFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpInternalReleases [Received Dhcp Internal Releases] (tmnxDhcpSvrStatsRxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDhcpInternalRequests [Received Dhcp Internal Requests] (tmnxDhcpSvrStatsRxIntRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntRequests indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUse-GiAddress was disabled.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllow)	long	The value of tmnxDhcpSvrStatsDropUserNotAllow indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrSubnetStatsOfferP)	long	The value of tmnxDhcpSvrSubnetStatsOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsOffered since the last reset of the extended statistics.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctP)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrSubnetStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctP)	int	The value of tmnxDhcpSvrSubnetStatsUsedPctP indicates the highest value of tmnxDhcpSvrSubnetStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferP)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStableP)	long	The value of tmnxDhcpSvrSubnetStatsFoStableP indicates the highest value of tmnxDhcpSvrSubnetStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStatsStableP)	long	The value of tmnxDhcpSvrSubnetStatsStableP indicates the highest value of tmnxDhcpSvrSubnetStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrSubnetStatsProv)	long	The value of tmnxDhcpSvrSubnetStatsProv indicates the total number of local addresses in this subnet that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctP)	int	The value of tmnxDhcpSvrSubnetStatsFreePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctP)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedP)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoUsed since the last reset of the extended statistics.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrSubnetStatsUsedP)	long	The value of tmnxDhcpSvrSubnetStatsUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsUsed since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePct)	int	The value of tmnxDhcpSvrSubnetStatsFreePct indicates the percentage of addresses in this subnet currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePct)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePct indicates the percentage of remote addresses in this subnet that are currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPct)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPct indicates the percentage of remote addresses in this subnet that are in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPct)	int	The value of tmnxDhcpSvrSubnetStatsUsedPct indicates the percentage of addresses in this subnet in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrSubnetStatsFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFreeP indicates the peak number of addresses in this subnet that are free since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFoFreeP indicates the peak number of remote addresses in this subnet that are free since the last reset of the extended statistics.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrSubnetStatsFoDeclined)	long	The value of tmnxDhcpSvrSubnetStatsFoDeclined indicates the number of remote addresses in this subnet that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFoFRPend)	long	The value of tmnxDhcpSvrSubnetStatsFoFRPend indicates the number of remote leases in this subnet that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFree)	long	The value of tmnxDhcpSvrSubnetStatsFoFree indicates the number of remote addresses in this subnet that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOffered)	long	The value of tmnxDhcpSvrSubnetStatsFoOffered indicates the number of remote leases in this subnet that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrSubnetStatsFoProv)	long	The value of tmnxDhcpSvrSubnetStatsFoProv indicates the total number of remote addresses in this subnet that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrSubnetStatsFoRemPend)	long	The value of tmnxDhcpSvrSubnetStatsFoRemPend indicates the number of remote leases in this subnet that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStable)	long	The value of tmnxDhcpSvrSubnetStatsFoStable indicates the number of remote leases in this subnet that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStatsExtResetT)	long	The value of tmnxDhcpSvrSubnetStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrSubnetStatsFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrSubnetStatsOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFrePctP.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStablePT)	long	The value of tmnxDhcpSvrSubnetStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsedP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStatsStablePT)	long	The value of tmnxDhcpSvrSubnetStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsStableP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrSubnetStatsUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedP.

Table 81 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrSubnetStatsUsed)	long	The value of tmnxDhcpSvrSubnetStatsUsed indicates the number of leases in this subnet that are in use.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrSubnetStatsFoUsed)	long	The value of tmnxDhcpSvrSubnetStatsFoUsed indicates the number of remote leases in this subnet that are in use.

Table 82 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats MIB entry name: mediaIndependentEntry Entry description: Media independent statistics for promiscuous monitoring of any media. Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PerPortThresholdStats</p> <p>MIB entry name: tmnxPortIngrPreClassifierQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrPreClassifierQosStatTable): The table tmnxPortIngrPreClassifierQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
portPreClassifierQosHighFifoStatDropOcts [Port Pre Classifier Qos High Fifo Stat Drop Octs] (tmnxPortIngrPreClassifier- QosHighFifoStatDropOcts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosHighFifoStatDropOcts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.
portPreClassifierQosHighFifoStatDropPkts [Port Pre Classifier Qos High Fifo Stat Drop Pkts] (tmnxPortIngrPreClassifier- QosHighFifoStatDropPkts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosHighFifoStatDropPkts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.
portPreClassifierQosHighFifoStatFwdOcts [Port Pre Classifier Qos High Fifo Stat Fwd Octs] (tmnxPortIngrPreClassifier- QosHighFifoStatFwdOcts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosHighFifoStatFwdOcts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portPreClassifierQosHighFifoStatFwdPkts [Port Pre Classifier Qos High Fifo Stat Fwd Pkts] (tmnxPortIngrPreClassifier- QosHighFifoStatFwdPkts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosHighFifoStatFwdPkts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.
portPreClassifierQosLowFifoStatDropOcts [Port Pre Classifier Qos Low Fifo Stat Drop Octs] (tmnxPortIngrPreClassifier- QosLowFifoStatDropOcts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosLowFifoStatDropOcts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.
portPreClassifierQosLowFifoStatDropPkts [Port Pre Classifier Qos Low Fifo Stat Drop Pkts] (tmnxPortIngrPreClassifier- QosLowFifoStatDropPkts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosLowFifoStatDropPkts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.
portPreClassifierQosLowFifoStatFwdOcts [Port Pre Classifier Qos Low Fifo Stat Fwd Octs] (tmnxPortIngrPreClassifier- QosLowFifoStatFwdOcts)	java. math. BigInteger	Generated when there is a change in Power Classification, Detection Status, Fault Reason, or Oper Status on a PoE port.
portPreClassifierQosLowFifoStatFwdPkts [Port Pre Classifier Qos Low Fifo Stat Fwd Pkts] (tmnxPortIngrPreClassifier- QosLowFifoStatFwdPkts)	java. math. BigInteger	tmnxPortIngrPreClassifierQosLowFifoStatFwdPkts indicates the number of packets dropped on the oversubscribed for QoS classifier result threshold 00 because of an overload condition.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress- QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress- QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress- QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress- QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsInProfDroOcts [Port Net Egress Queue Stats In Prof Dro Octs] (tmnxPortNetEgress- QueueStatsInProfDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsInProfDroOcts indicates the number of dropped network egress octets on this port using this in-profile queue.
portNetEgressQueueStatsInProfDroPkts [Port Net Egress Queue Stats In Prof Dro Pkts] (tmnxPortNetEgress- QueueStatsInProfDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsInProfDroPkts indicates the number of dropped network egress octets on this port using this in-profile queue.
portNetEgressQueueStatsInProfFwdOcts [Port Net Egress Queue Stats In Prof Fwd Octs] (tmnxPortNetEgress- QueueStatsInProfFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsInProfFwdOcts indicates the number of forwarded network egress octets on this port using this in-profile queue.
portNetEgressQueueStatsInProfFwdPkts [Port Net Egress Queue Stats In Prof Fwd Pkts] (tmnxPortNetEgress- QueueStatsInProfFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsInProfFwdPkts indicates the number of forwarded network egress octets on this port using this in-profile queue.
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
portNetEgressQueueStatsOutProfDroOcts [Port Net Egress Queue Stats Out Prof Dro Octs] (tmnxPortNetEgressQueueStatsOutProfDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsOutProfDroOcts indicates the number of dropped network egress octets on this port using this out-profile queue.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsOutProfDroPkts [Port Net Egress Queue Stats Out Prof Dro Pkts] (tmnxPortNetEgressQueueStatsOutProfDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsOutProfDroPkts indicates the number of dropped network egress octets on this port using this out-profile queue.
portNetEgressQueueStatsOutProfFwdOcts [Port Net Egress Queue Stats Out Prof Fwd Octs] (tmnxPortNetEgressQueueStatsOutProfFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsOutProfFwdOcts indicates the number of forwarded network egress octets on this port using this out-profile queue.
portNetEgressQueueStatsOutProfFwdPkts [Port Net Egress Queue Stats Out Prof Fwd Pkts] (tmnxPortNetEgressQueueStatsOutProfFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsOutProfFwdPkts indicates the number of forwarded network egress octets on this port using this out-profile queue.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.

Table 82 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 83 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 83 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 83 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 84 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
<p>delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)</p>	<p>long</p>	<p>The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).</p>

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <code>_CfgSessName _CfgMeasIntvlDuration _CfgMeasIntvlsStored ##### ##### 'mySess1' 'mi15Minutes(2)' 3</code> Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <code>_CfgSessName _StsBaseTestType _StsIntvlDuration _StsIntvlNum ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4</code> The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <code>_CfgSessName _StsBaseTestType _StsIntvlDuration _StsIntvlNum ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5</code> The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavailIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavailIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 84 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 85 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIsisStatsCSNPDrop)	long	The value of the object tmnxIsisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIsisStatsCSNPRecd)	long	The value of the object tmnxIsisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIsisStatsCSNPRetrans)	long	The value of the object tmnxIsisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIsisStatsCSNPSent)	long	The value of the object tmnxIsisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIsisStatsIIHDrop)	long	The value of the object tmnxIsisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsIIHDrop.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPReTrans)	long	The value of the object tmnxIisisStatsPSNPReTrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPReTrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownReTrans)	long	The value of the object tmnxIisisStatsUnknownReTrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownReTrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 85 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 86 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 87 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp</p>		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 87 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 87 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 88 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrawIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrawOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 88 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRecv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 88 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRecv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 88 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 88 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 88 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 88 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactivesf)	long	The value of vLdpNgStatsIPv4Inactivesf specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 88 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 88 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 89 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 89 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 89 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 89 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 90 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 90 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 90 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 90 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 90 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 90 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 91 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 91 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 91 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 92 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AreaSiteLfaStats MIB entry name: tmnxOspfLfaStatsEntry Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol. Supports realtime plotting Supports scheduled collection Monitored class: ospf.AreaSite		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceGeneralStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
InterfaceReceiveStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
<p>InterfaceStatusStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamIfEvents)	long	The value of tmnxOspfShamIfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAdrs)	long	The value of tmnxOspfShamIfBadDstAdrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 92 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 93 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 93 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 93 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 93 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInte- ger	The number of octets received in user data frames on this Port during the session.

Table 93 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 93 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 94 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 94 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 95 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
RsvpInterfaceStats MIB entry name: vRtrRsvplfEntry Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation. Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB. Supports realtime plotting Supports scheduled collection Monitored class: rsvp.Interface		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 95 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 96 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DhcpRelayStats MIB entry name: vRtrIfDHCPRelayStatsEntry Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 96 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 96 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 96 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.

Table 96 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.

Table 97 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)'}). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFWBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PmSessionBaseStats		
MIB entry name: tmnxOamPmStsBaseEntry		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
Supports realtime plotting		
Supports scheduled collection		
Monitored classes:		
<ul style="list-style-type: none"> • ethernetOam.CfmDmmSession 		

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBInCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStatsIntvlNum)	long	The value of tmnxOamPmStatsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStatsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwlEntry</p> <p>Entry description: tmnxOamPmStsLossTwlEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwlTable): tmnxOamPmStsLossTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwlAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwlAvailIndBwd)	long	The value of tmnxOamPmStsLossTwlAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwlAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwlAvailIndFwd)	long	The value of tmnxOamPmStsLossTwlAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwlAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwlAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwlAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwlChliBwd)	long	The value of tmnxOamPmStsLossTwlChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwlChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwlChliFwd)	long	The value of tmnxOamPmStsLossTwlChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwlHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwlHliBwd)	long	The value of tmnxOamPmStsLossTwlHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwlHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwlHliFwd)	long	The value of tmnxOamPmStsLossTwlHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwiRxBwd)	long	The value of tmnxOamPmStsLossTwiRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwiRxFwd)	long	The value of tmnxOamPmStsLossTwiRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiTxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwiTxBwd)	long	The value of tmnxOamPmStsLossTwiTxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiTxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwiTxFwd)	long	The value of tmnxOamPmStsLossTwiTxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwiUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwiUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 97 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwlRflFramesRx)	long	The value of tmnxOamPmStsTwlRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwlRflFramesTx)	long	The value of tmnxOamPmStsTwlRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwlRflUpTime)	long	The value of tmnxOamPmStsTwlRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 98 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTag- DroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SasSapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsExtnEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsExtnTable): A table that contains egress QoS queue SAP statistics. This table extends the capabilities of sapEgrQosQueueStatsTable</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsInprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this in profile egress Queue.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsInprofDroPkts)	java. math. BigInteger	The number of dropped packets for this in profile egress Queue.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsOutprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this out profile egress Queue.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsOutprofDroPkts)	java. math. BigInteger	The number of dropped packets for this out profile egress Queue.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsInprofFwdOcts)	java. math. BigInteger	The number of Forwarded bytes for this in profile egress Queue.

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsInprofFwdPkts)	java. math. BigInteger	The number of Forwarded packets for this in profile egress Queue.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsOutprofFwdOcts)	java. math. BigInteger	The number of Forwarded bytes for this out profile egress Queue.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsOutprofFwdPkts)	java. math. BigInteger	The number of Forwarded packets for this out profile egress Queue.
<p>SasSapIngQosQueueStats</p> <p>MIB entry name: sapIngQosQueueStatsExtnEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQosQueueStatsExtnTable): A table that contains ingress QoS queue SAP statistics. This table extends the capabilities of sapIngQosQueueStatsTable</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapIngQosQueueStatsInprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this in profile ingress Queue.
droppedInProfPackets [Dropped In Prof Packets] (sapIngQosQueueStatsInprofDroPkts)	java. math. BigInteger	The number of dropped packets for this in profile ingress Queue.

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfOctets [Dropped Out Prof Octets] (sapIngQosQueueStatsOutprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this out profile ingress Queue.
droppedOutProfPackets [Dropped Out Prof Packets] (sapIngQosQueueStatsOutprofDroPkts)	java. math. BigInteger	The number of dropped packets for this out profile ingress Queue.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsInprofFwdOcts)	java. math. BigInteger	The number of forwarded bytes for this in profile ingress Queue.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsInprofFwdPkts)	java. math. BigInteger	The number of forwarded packets for this in profile ingress Queue.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsOutprofFwdOcts)	java. math. BigInteger	The number of forwarded bytes for this out profile ingress Queue.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsOutprofFwdPkts)	java. math. BigInteger	The number of forwarded packets for this out profile ingress Queue.

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ServiceSapIngQosPlcyStats</p> <p>MIB entry name: sapIngQosMeterStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS meter.</p> <p>Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
<p>Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional</p>		
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received

Table 98 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 99 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 100 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 100 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 100 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats</p> <p>MIB entry name: sdpBindIgmppSnpStatsEntry</p> <p>Entry description: sdpBindIgmppSnpStatsEntry is an entry in the sdpBindIgmppSnpStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmppSnpStatsTable): sdpBindIgmppSnpStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpRxBadEncodedPkts [Sdp Bnd Igmpp Snp Rx Bad Encoded Pkts] (sdpBndIgmppSnpRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 100 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxBadRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxBadRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxBadRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxBadWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxBadWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxBadWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxBadZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxBadZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxBadZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgSendQueryCfgDrops for this SDP Bind is set to 'enabled(1)'.

Table 100 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBndIgmPsnpgStatsEntry</p> <p>Entry description: sdpBndIgmPsnpgStatsEntry is an entry in the sdpBndIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBndIgmPsnpgStatsTable): sdpBndIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd Igm Psnpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd Igm Psnpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd Igm Psnpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd Igm Psnpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd Igm Psnpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 100 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 100 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 101 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CircuitDhcpRelayCfgStats</p> <p>MIB entry name: sdpBindDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS spoke SDP or mesh SDP.</p> <p>Table description (for sdpBindDhcpStatsTable): sdpBindDhcpStatsTable contains DHCP statistics related to a TLS SDP Bind. A row will exist in this table for each spoke or mesh SDP in a Tls Service. Rows are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svt.SdpBinding</p>		
sdpBindDhcpStatsClntDropdPckts [Sdp Bind Dhcp Stats Clnt Dropd Pckts] (sdpBindDhcpStatsClntDropdPckts)	long	The value of the object sdpBindDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SDP bind.
sdpBindDhcpStatsClntForwdPckts [Sdp Bind Dhcp Stats Clnt Forwd Pckts] (sdpBindDhcpStatsClntForwdPckts)	long	The value of the object sdpBindDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsClntProxLSPckts [Sdp Bind Dhcp Stats Clnt Prox LSPckts] (sdpBindDhcpStatsClntProxLSPckts)	long	The value of the object sdpBindDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sdpBindDhcpStatsClntProxNqPckts [Sdp Bind Dhcp Stats Clnt Prox Nq Pckts] (sdpBindDhcpStatsClntProxNqPckts)	long	The value of the object sdpBindDhcpStatsClntProxNqPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a Diameter NASREQ server.
sdpBindDhcpStatsClntProxRadPckts [Sdp Bind Dhcp Stats Clnt Prox Rad Pckts] (sdpBindDhcpStatsClntProxRadPckts)	long	The value of the object sdpBindDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a RADIUS server.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBindDhcpStatsClntSnoopdPckts [Sdp Bind Dhcp Stats Clnt Snoopd Pckts] (sdpBindDhcpStatsClntSnoopdPckts)	long	The value of the object sdpBindDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SDP bind.
sdpBindDhcpStatsGenForceRenPckts [Sdp Bind Dhcp Stats Gen Force Ren Pckts] (sdpBindDhcpStatsGenForceRenPckts)	long	The value of the object sdpBindDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SDP bind to the DHCP clients.
sdpBindDhcpStatsGenReleasePckts [Sdp Bind Dhcp Stats Gen Release Pckts] (sdpBindDhcpStatsGenReleasePckts)	long	The value of the object sdpBindDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SDP bind to the DHCP server.
sdpBindDhcpStatsSrvrDropdPckts [Sdp Bind Dhcp Stats Srvr Dropd Pckts] (sdpBindDhcpStatsSrvrDropdPckts)	long	The value of the object sdpBindDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SDP bind.
sdpBindDhcpStatsSrvrForwdPckts [Sdp Bind Dhcp Stats Srvr Forwd Pckts] (sdpBindDhcpStatsSrvrForwdPckts)	long	The value of the object sdpBindDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsSrvrSnoopdPckts [Sdp Bind Dhcp Stats Srvr Snoopd Pckts] (sdpBindDhcpStatsSrvrSnoopdPckts)	long	The value of the object sdpBindDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SDP bind.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfacelgmpSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (saplgmpSnpgMaxNumGroupsDrops)	long	The value of the object saplgmpSnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpgRxBadEncodedPkts [Sap Igmp Snpg Rx Bad Encoded Pkts] (saplgmpSnpgRxBadEncodedPkts)	long	The value of the object saplgmpSnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpgRxBadIgmpChksmPkts [Sap Igmp Snpg Rx Bad Igmp Chksm Pkts] (saplgmpSnpgRxBadIgmpChksmPkts)	long	The value of the object saplgmpSnpgRxBadIgmpChksmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpgRxBadIpChksmPkts [Sap Igmp Snpg Rx Bad Ip Chksm Pkts] (saplgmpSnpgRxBadIpChksmPkts)	long	The value of the object saplgmpSnpgRxBadIpChksmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp Snpgrx Bad Len Pkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp Snpgrx No Rtr Alert Pkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp Snpgrx Wrong Version Pkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp Snpgrx Zero Src Adr Pkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp Snpgr Send Query Cfg Drops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmprSnpgrStats</p> <p>MIB entry name: saplgmpSnpgrStatsEntry</p> <p>Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGtxV1Reports [Sap Igmp SnpG Tx V1 Reports] (saplgmpSnpGtxV1Reports)	long	The value of the object saplgmpSnpGtxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpGtxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (saplgmpSnpGtxV2Leaves)	long	The value of the object saplgmpSnpGtxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpGtxV2Reports [Sap Igmp SnpG Tx V2 Reports] (saplgmpSnpGtxV2Reports)	long	The value of the object saplgmpSnpGtxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpGtxV3Reports [Sap Igmp SnpG Tx V3 Reports] (saplgmpSnpGtxV3Reports)	long	The value of the object saplgmpSnpGtxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats</p> <p>MIB entry name: saplgmpSnpGStatsEntry</p> <p>Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpGMvrFromVplsCfgDrops [Sap Igmp SnpG Mvr From Vpls Cfg Drops] (saplgmpSnpGMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpGMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpGCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpGMvrToSapCfgDrops [Sap Igmp SnpG Mvr To Sap Cfg Drops] (saplgmpSnpGMvrToSapCfgDrops)	long	The value of the object saplgmpSnpGMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpGCfgMvrToSapPortId and saplgmpSnpGCfgMvrToSapEncapVal configuration on this SAP.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPkts [Sap Tls Dhcp Stats Clnt Prox LSPkts] (sapTlsDhcpStatsClntProxLSPkts)	long	The value of the object sapTlsDhcpStatsClntProxLSPkts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPkts [Sap Tls Dhcp Stats Clnt Prox Rad Pkts] (sapTlsDhcpStatsClntProxRadPkts)	long	The value of the object sapTlsDhcpStatsClntProxRadPkts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPkts [Sap Tls Dhcp Stats Clnt Snoopd Pkts] (sapTlsDhcpStatsClntSnoopdPkts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPkts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 101 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSvrDropdPckts [Sap Tls Dhcp Stats Svr Dropd Pckts] (sapTlsDhcpStatsSvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSvrForwdPckts [Sap Tls Dhcp Stats Svr Forwd Pckts] (sapTlsDhcpStatsSvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSvrSnoopdPckts [Sap Tls Dhcp Stats Svr Snoopd Pckts] (sapTlsDhcpStatsSvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

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18.1 Performance statistics counters

18.1.1 Counters

Table 102 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 102 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
MacHitCountStats MIB entry name: tMacFilterParamsEntry Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile. Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters. Supports realtime plotting Supports scheduled collection Monitored class: acfilter.MacFilterEntry		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 102 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 103 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PeerAdditionalStats MIB entry name: bgpPeerEntry Entry description: Entry containing information about the connection with a BGP peer. Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
PeerStats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 103 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 103 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 104 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV. voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress- QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress- QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress- QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress- QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 104 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 105 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 105 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 105 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 106 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)	long	The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 106 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavlIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavlIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 106 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 107 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 107 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 107 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 107 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 108 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisStatsCSNPDrop)	long	The value of the object tmnxIisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIisStatsCSNPRecd)	long	The value of the object tmnxIisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisStatsCSNPRetrans)	long	The value of the object tmnxIisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIisStatsCSNPSent)	long	The value of the object tmnxIisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIisStatsIIHDrop)	long	The value of the object tmnxIisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsIIHDrop.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPRetrans)	long	The value of the object tmnxIisisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownRetrans)	long	The value of the object tmnxIisisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIisisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIisisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIisisLfaTable): The tmnxIisisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Iisis Lfa Ipv 4 Coverage] (tmnxIisisLfalIpv4Coverage)	long	The value of the object tmnxIisisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Iisis Lfa Ipv 4 Nodes Covered] (tmnxIisisLfalIpv4NodesCovered)	long	The value of the object tmnxIisisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Iisis Lfa Ipv 4 Total Nodes] (tmnxIisisLfalIpv4TotalNodes)	long	The value of the object tmnxIisisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Iisis Lfa Ipv 6 Coverage] (tmnxIisisLfalIpv6Coverage)	long	The value of the object tmnxIisisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Iisis Lfa Ipv 6 Nodes Covered] (tmnxIisisLfalIpv6NodesCovered)	long	The value of the object tmnxIisisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Iisis Lfa Ipv 6 Total Nodes] (tmnxIisisLfalIpv6TotalNodes)	long	The value of the object tmnxIisisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
<p>SiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 108 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 109 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 109 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 109 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.

Table 109 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 110 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 110 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 111 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrawIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrawOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRecv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRecv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 111 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4InactiveIf)	long	The value of vLdpNgStatsIPv4InactiveIf specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 111 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 112 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 112 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 112 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 112 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 113 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 113 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats MIB entry name: vRtrMplsLspPathStatEntry Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Supports realtime plotting Supports scheduled collection Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 113 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 113 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 113 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 113 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 114 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 114 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 114 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 114 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 114 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 115 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmpInGetBulks [Sgi Snmp In Get Bulks] (sgiSnmpInGetBulks)	long	The value of sgiSnmpInGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 115 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 115 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 116 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats MIB entry name: tmnxOspfNgNbrStatsEntry Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor. Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor. Supports realtime plotting Supports scheduled collection Monitored classes: • ospf.Neighbor • ospf.OspfNeighbor</p>		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats MIB entry name: tmnxOspfNgNbrStatsEntry Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor. Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Neighbor</p>		

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 116 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 117 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 117 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 117 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 117 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 117 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 117 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 118 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrPimNgIfStatsEntry</p> <p>Entry description: An entry in the vRtrPimNgIfStatsTable.</p> <p>Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrddedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrddedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcStatFrddedOct lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcStatFrwdedPkts lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 118 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 119 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 119 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 120 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 120 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 121 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIflcmp6InNbrAdvertisements)	long	The value of vRtrIflcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats</p> <p>MIB entry name: vRtrIflcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted.</p> <p>Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIflcmp6OutGrpMembReductions)	long	The value of vRtrIflcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIflcmp6OutGrpMembResponses)	long	The value of vRtrIflcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIflcmp6OutNbrAdvertisements)	long	The value of vRtrIflcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIflcmp6OutNbrSolicits)	long	The value of vRtrIflcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 121 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIfIcmp6OutMsgs)	long	The value of vRtrIfIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 122 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)'}). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOprSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOprSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBin</p>		

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwEntry</p> <p>Entry description: tmnxOamPmStsLossTwEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwTable): tmnxOamPmStsLossTwTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwlAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwlAvailIndBwd)	long	The value of tmnxOamPmStsLossTwlAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwlAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwlAvailIndFwd)	long	The value of tmnxOamPmStsLossTwlAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwlAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwlAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwlAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwiChliBwd)	long	The value of tmnxOamPmStsLossTwiChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwiChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwiChliFwd)	long	The value of tmnxOamPmStsLossTwiChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwiHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwiHliBwd)	long	The value of tmnxOamPmStsLossTwiHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwiHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwiHliFwd)	long	The value of tmnxOamPmStsLossTwiHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwiMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwiMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwiMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwiMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwiMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwiMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwiMinFlrBwd)	float	The value of tmnxOamPmStsLossTwiMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwiMinFlrFwd)	float	The value of tmnxOamPmStsLossTwiMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwiRxBwd)	long	The value of tmnxOamPmStsLossTwiRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwiRxFwd)	long	The value of tmnxOamPmStsLossTwiRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiTxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwiTxBwd)	long	The value of tmnxOamPmStsLossTwiTxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiTxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwiTxFwd)	long	The value of tmnxOamPmStsLossTwiTxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwiUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwiUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 122 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwIReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwIRflEntry</p> <p>Entry description: tmnxOamPmStsTwIRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwIRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwIRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwIRflEntry.</p> <p>Table description (for tmnxOamPmStsTwIRflTable): tmnxOamPmStsTwIRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwIReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 123 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 123 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 123 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		

Table 123 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
egressSapPolicerDroppedOctets [Egress Sap Policer Dropped Octets] (sapBaseStatsEgressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
egressSapPolicerDroppedPackets [Egress Sap Policer Dropped Packets] (sapBaseStatsEgressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets

Table 123 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTagDroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.
<p>ServiceSapIngQosPlcyStats</p> <p>MIB entry name: sapIngQosMeterStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS meter.</p> <p>Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 123 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
<p>Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional</p>		

Table 123 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 124 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 124 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 124 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 125 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 125 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats</p> <p>MIB entry name: sdpBindBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SDP Binding.</p> <p>Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 125 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats</p> <p>MIB entry name: sdpBindIgmppSnpStatsEntry</p> <p>Entry description: sdpBindIgmppSnpStatsEntry is an entry in the sdpBindIgmppSnpStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmppSnpStatsTable): sdpBindIgmppSnpStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpRxBadEncodedPkts [Sdp Bnd Igmpp Snp Rx Bad Encoded Pkts] (sdpBndIgmppSnpRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 125 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxBadRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxBadRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxBadRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxBadWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxBadWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxBadWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxBadZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxBadZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxBadZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgSendQueryCfgDrops for this SDP Bind is set to 'enabled(1)'.

Table 125 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBndIgmPsnpgStatsEntry</p> <p>Entry description: sdpBndIgmPsnpgStatsEntry is an entry in the sdpBndIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBndIgmPsnpgStatsTable): sdpBndIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd Igm Psnpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd Igm Psnpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd Igm Psnpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd Igm Psnpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd Igm Psnpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 125 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 125 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 126 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveClockRecoveryStats</p> <p>MIB entry name: aluPortAcrClkStatsEntry</p> <p>Entry description: Defines an entry in aluPortAcrClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortAcrClkStatsTable): Defines the Nokia SAR series port adaptive clock recovery (ACR) statistics table for providing, via SNMP, the capability of retrieving statistical information relating to clock that is derived from the ACR CPIPE PW.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
freqOffsetMeanPastDay [Freq Offset Mean Past Day] (aluCurrent24HourFreqOffsetMeanPpb)	long	aluCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetMeanPastMinute [Freq Offset Mean Past Minute] (aluCurrent1MinFreqOffsetMeanPpb)	long	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
freqOffsetStdDevPastDay [Freq Offset Std Dev Past Day] (aluCurrent24HourFreqOffsetStdDevPpb)	long	aluCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetStdDevPastMinute [Freq Offset Std Dev Past Minute] (aluCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
phaseErrorMeanPastMinuteTime [Phase Error Mean Past Minute Time] (aluCurrent1MinPhaseErrorMeanNs)	long	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 126 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
phaseErrorStdDevPastMinute [Phase Error Std Dev Past Minute] (aluCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.
<p>DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESSs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).

Table 126 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESS)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESS)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
<p>DS1IntervalStats</p> <p>MIB entry name: dsx1IntervalEntry</p> <p>Entry description: An entry in the DS1 Interval table.</p> <p>Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESS)	long	The number of Bursty Errored Seconds.

Table 126 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESSs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.

Table 126 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.
<p>DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.

Table 126 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 127 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap IgmPsnpg Import Policy Drops] (sapIgmPsnpgImportPolicyDrops)	long	The value of the object sapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap IgmPsnpg Max Num Groups Drops] (sapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap IgmPsnpg Rx Bad Encoded Pkts] (sapIgmPsnpgRxBadEncodedPkts)	long	The value of the object sapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap IgmPsnpg Rx Bad IgmP ChkSm Pkts] (sapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap IgmPsnpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 127 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp Snpgr Rx Bad Len Pkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrRxNoRtrAlertPkts [Sap Igmp Snpgr Rx No Rtr Alert Pkts] (saplgmpSnpgrRxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrRxWrongVersionPkts [Sap Igmp Snpgr Rx Wrong Version Pkts] (saplgmpSnpgrRxWrongVersionPkts)	long	The value of the object saplgmpSnpgrRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrRxZeroSrcAdrPkts [Sap Igmp Snpgr Rx Zero Src Adr Pkts] (saplgmpSnpgrRxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp Snpgr Send Query Cfg Drops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmprSnpgrStats</p> <p>MIB entry name: saplgmpSnpgrStatsEntry</p> <p>Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 127 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 127 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgRxSrcSpecQueries [Sap Igmp Snpg Rx Src Spec Queries] (sapIgmPsnPgRxSrcSpecQueries)	long	The value of the object sapIgmPsnPgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
sapIgmPsnPgRxUnknownType [Sap Igmp Snpg Rx Unknown Type] (sapIgmPsnPgRxUnknownType)	long	The value of the object sapIgmPsnPgRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
sapIgmPsnPgRxV1Reports [Sap Igmp Snpg Rx V1 Reports] (sapIgmPsnPgRxV1Reports)	long	The value of the object sapIgmPsnPgRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
sapIgmPsnPgRxV2Leaves [Sap Igmp Snpg Rx V2 Leaves] (sapIgmPsnPgRxV2Leaves)	long	The value of the object sapIgmPsnPgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
sapIgmPsnPgRxV2Reports [Sap Igmp Snpg Rx V2 Reports] (sapIgmPsnPgRxV2Reports)	long	The value of the object sapIgmPsnPgRxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
sapIgmPsnPgRxV3Reports [Sap Igmp Snpg Rx V3 Reports] (sapIgmPsnPgRxV3Reports)	long	The value of the object sapIgmPsnPgRxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
sapIgmPsnPgTxGenQueries [Sap Igmp Snpg Tx Gen Queries] (sapIgmPsnPgTxGenQueries)	long	The value of the object sapIgmPsnPgTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
sapIgmPsnPgTxGrpSpecQueries [Sap Igmp Snpg Tx Grp Spec Queries] (sapIgmPsnPgTxGrpSpecQueries)	long	The value of the object sapIgmPsnPgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
sapIgmPsnPgTxSrcSpecQueries [Sap Igmp Snpg Tx Src Spec Queries] (sapIgmPsnPgTxSrcSpecQueries)	long	The value of the object sapIgmPsnPgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 127 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGtxV1Reports [Sap Igmp SnpG Tx V1 Reports] (saplgmpSnpGtxV1Reports)	long	The value of the object saplgmpSnpGtxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpGtxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (saplgmpSnpGtxV2Leaves)	long	The value of the object saplgmpSnpGtxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpGtxV2Reports [Sap Igmp SnpG Tx V2 Reports] (saplgmpSnpGtxV2Reports)	long	The value of the object saplgmpSnpGtxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpGtxV3Reports [Sap Igmp SnpG Tx V3 Reports] (saplgmpSnpGtxV3Reports)	long	The value of the object saplgmpSnpGtxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats</p> <p>MIB entry name: saplgmpSnpGStatsEntry</p> <p>Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpGMvrFromVplsCfgDrops [Sap Igmp SnpG Mvr From Vpls Cfg Drops] (saplgmpSnpGMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpGMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpGCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpGMvrToSapCfgDrops [Sap Igmp SnpG Mvr To Sap Cfg Drops] (saplgmpSnpGMvrToSapCfgDrops)	long	The value of the object saplgmpSnpGMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpGCfgMvrToSapPortId and saplgmpSnpGCfgMvrToSapEncapVal configuration on this SAP.

Table 127 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
L2AccessIfDhcpRelayCfgStats MIB entry name: sapTlsDhcpStatsEntry Entry description: DHCP statistics for a TLS SAP. Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPkts [Sap Tls Dhcp Stats Clnt Prox LSPkts] (sapTlsDhcpStatsClntProxLSPkts)	long	The value of the object sapTlsDhcpStatsClntProxLSPkts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPkts [Sap Tls Dhcp Stats Clnt Prox Rad Pkts] (sapTlsDhcpStatsClntProxRadPkts)	long	The value of the object sapTlsDhcpStatsClntProxRadPkts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPkts [Sap Tls Dhcp Stats Clnt Snoopd Pkts] (sapTlsDhcpStatsClntSnoopdPkts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPkts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 127 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 128 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 128 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
<p>InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance</p>		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 128 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

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19.1 Performance statistics counters

19.1.1 Counters

Table 129 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 129 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 129 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 130 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 130 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 130 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 131 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV. voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress-QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress-QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress-QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress-QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.
UplinkPortNetIngressStats MIB entry name: tmnxSASPortNetIngressStatsEntry Entry description: Defines an entry in tmnxSASPortNetIngressStatsTable. Entries are created and deleted by the system depending on the meter policy being used at the specific port. Table description (for tmnxSASPortNetIngressStatsTable): Defines the Nokia SAS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical Meters being used for the ports to forward the network ingress traffic. Supports realtime plotting Does not support scheduled collection Monitored class: equipment.PhysicalPort		
portNetIngressFwdInProfOcts [Port Net Ingress Fwd In Prof Octs] (tmnxSASPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this meter.

Table 131 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetIngressFwdInProfPkts [Port Net Ingress Fwd In Prof Pkts] (tmnxSASPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this meter.
portNetIngressFwdOutProfOcts [Port Net Ingress Fwd Out Prof Octs] (tmnxSASPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this meter.
portNetIngressFwdOutProfPkts [Port Net Ingress Fwd Out Prof Pkts] (tmnxSASPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this meter.
portNetIngressMeterIndex [Port Net Ingress Meter Index] (tmnxSASPortNetIngressMeterIndex)	long	'tmnxSASPortNetIngressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress meter for the specified port in the managed system.

Table 132 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats MIB entry name: tmnxPortIngrMdaQosStatEntry Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured. Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15 Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 132 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 133 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
<p>delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)</p>	<p>long</p>	<p>The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).</p>

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavailIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavailIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 133 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 134 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 134 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 134 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 134 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 135 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIsisStatsCSNPDrop)	long	The value of the object tmnxIsisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIsisStatsCSNPRecd)	long	The value of the object tmnxIsisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIsisStatsCSNPRetrans)	long	The value of the object tmnxIsisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIsisStatsCSNPSent)	long	The value of the object tmnxIsisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIsisStatsIIHDrop)	long	The value of the object tmnxIsisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsIIHDrop.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPRecd)	long	The value of the object tmnxIsisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsUnknownSent.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 135 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 136 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 136 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 136 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.

Table 136 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 137 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 137 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 138 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRcv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRcv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSnt)	long	The value of vRtrLdpNgSessStatsIPv6AddrSnt counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactifelf)	long	The value of vLdpNgStatsIPv4Inactifelf specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 138 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 139 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 139 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 139 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 139 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: lldp.LLDPConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 140 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 140 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 140 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 140 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 140 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 140 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 141 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 141 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 141 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 141 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 141 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 142 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 142 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 142 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 143 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
<p>InterfaceStatusStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkGeneralStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		
events [Events] (tmnxOspfShamIfEvents)	long	The value of tmnxOspfShamIfEvents indicates the number of state changes or error events on this sham link.
ShamLinkReceiveStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAdrs)	long	The value of tmnxOspfShamIfBadDstAdrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 143 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 144 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 144 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 144 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 144 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 144 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 144 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 145 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats</p> <p>MIB entry name: vRtrPimNgGenStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGenStatTable.</p> <p>Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrddedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrddedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 145 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 146 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 146 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 147 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceReceiveStats MIB entry name: vRtrRipIfStatEntry Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface. Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		
badPackets [Bad Packets] (vRtrRipIfStatAllRcvBadPackets)	long	vRtrRipIfStatAllRcvBadPackets is the number of RIP updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (vRtrRipIfStatV1BadRoutes)	long	vRtrRipIfStatV1BadRoutes is the number of routes, in valid RIPv1 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (vRtrRipIfStatV1RcvRequests)	long	vRtrRipIfStatV1RcvRequests is the number of RIPv1 request packets received by the RIP process.
v1RequestsIgnored [V1 Requests Ignored] (vRtrRipIfStatV1BadRequests)	long	vRtrRipIfStatV1BadRequests is the number of RIPv1 request packets received by the RIP process that were subsequently discarded for any reason.
v1Updates [V1 Updates] (vRtrRipIfStatV1RcvUpdates)	long	vRtrRipIfStatV1RcvUpdates is the number of RIPv1 response packets received by the RIP process.
v1UpdatesIgnored [V1 Updates Ignored] (vRtrRipIfStatV1BadUpdates)	long	vRtrRipIfStatV1BadUpdates is the number of RIPv1 response packets received by the RIP process which were subsequently discarded for any reason.

Table 147 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (vRtrRipIfStatAuthErrors)	long	vRtrRipIfStatAuthErrors is the number of RIPv2 packets received by the RIP process which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (vRtrRipIfStatV2BadRoutes)	long	vRtrRipIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (vRtrRipIfStatV2RcvRequests)	long	vRtrRipIfStatV2RcvRequests is the number of RIPv2 request packets received by the RIP process.
v2RequestsIgnored [V2 Requests Ignored] (vRtrRipIfStatV2BadRequests)	long	vRtrRipIfStatV2BadRequests is the number of RIPv2 request packets received by the RIP process that were subsequently discarded for any reason.
v2Updates [V2 Updates] (vRtrRipIfStatV2RcvUpdates)	long	vRtrRipIfStatV2RcvUpdates is the number of RIPv2 response packets received by the RIP process.
v2UpdatesIgnored [V2 Updates Ignored] (vRtrRipIfStatV2BadUpdates)	long	vRtrRipIfStatV2BadUpdates is the number of RIPv2 response packets received by the RIP process which were subsequently discarded for any reason.
<p>InterfaceTransmitStats</p> <p>MIB entry name: vRtrRipIfStatEntry</p> <p>Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface.</p> <p>Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		

Table 147 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (vRtrRipIfStatAllSentUpdates)	long	vRtrRipIfStatAllSentUpdates is the number of all RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (vRtrRipIfStatAllTriggeredUpdates)	long	vRtrRipIfStatAllTriggeredUpdates is the number of triggered RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 148 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
RsvpInterfaceStats MIB entry name: vRtrRsvplfEntry Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation. Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB. Supports realtime plotting Supports scheduled collection Monitored class: rsvp.Interface		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 148 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 149 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIflcmp6InNbrAdvertisements)	long	The value of vRtrIflcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats</p> <p>MIB entry name: vRtrIfIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIfIcmp6OutDestUnreachs)	long	The value of vRtrIfIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIfIcmp6OutEchoReplies)	long	The value of vRtrIfIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIfIcmp6OutEchos)	long	The value of vRtrIfIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIfIcmp6OutErrors)	long	The value of vRtrIfIcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIfIcmp6OutGrpMembQueries)	long	The value of vRtrIfIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIfIcmp6OutPktTooBigs)	long	The value of vRtrIfIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIfIcmp6OutRedirects)	long	The value of vRtrIfIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIfIcmp6OutRtrAdvertisements)	long	The value of vRtrIfIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIfIcmp6OutRtrSolicits)	long	The value of vRtrIfIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIfIcmp6OutTimeExcds)	long	The value of vRtrIfIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 149 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIfIcmp6OutMsgs)	long	The value of vRtrIfIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 150 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)}'). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwEntry</p> <p>Entry description: tmnxOamPmStsLossTwEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwTable): tmnxOamPmStsLossTwTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwAvailIndBwd)	long	The value of tmnxOamPmStsLossTwAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwAvailIndFwd)	long	The value of tmnxOamPmStsLossTwAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwlChliBwd)	long	The value of tmnxOamPmStsLossTwlChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwlChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwlChliFwd)	long	The value of tmnxOamPmStsLossTwlChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwlHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwlHliBwd)	long	The value of tmnxOamPmStsLossTwlHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwlHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwlHliFwd)	long	The value of tmnxOamPmStsLossTwlHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwiRxBwd)	long	The value of tmnxOamPmStsLossTwiRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwiRxFwd)	long	The value of tmnxOamPmStsLossTwiRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwiTxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwiTxBwd)	long	The value of tmnxOamPmStsLossTwiTxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiTxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwiTxFwd)	long	The value of tmnxOamPmStsLossTwiTxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwiUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwiUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwiUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 150 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwIReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwIRflEntry</p> <p>Entry description: tmnxOamPmStsTwIRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwIRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwIRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwIRflEntry.</p> <p>Table description (for tmnxOamPmStsTwIRflTable): tmnxOamPmStsTwIRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwIReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 151 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
egressSapPolicerDroppedOctets [Egress Sap Policer Dropped Octets] (sapBaseStatsEgressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
egressSapPolicerDroppedPackets [Egress Sap Policer Dropped Packets] (sapBaseStatsEgressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTagDroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.
<p>SasSapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsExtnEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsExtnTable): A table that contains egress QoS queue SAP statistics. This table extends the capabilities of sapEgrQosQueueStatsTable</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOctets [Dropped Octets] (sapEgrQosQueueStatsInprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this in profile egress Queue.
droppedPackets [Dropped Packets] (sapEgrQosQueueStatsInprofDroPkts)	java. math. BigInteger	The number of dropped packets for this in profile egress Queue.
forwardedOctets [Forwarded Octets] (sapEgrQosQueueStatsFwdOcts)	java. math. BigInteger	The number of forwarded bytes on this egress Queue.
forwardedPackets [Forwarded Packets] (sapEgrQosQueueStatsFwdPkts)	java. math. BigInteger	The number of forwarded packets on this egress Queue.
<p>ServiceSapInqQosPlcyStats MIB entry name: sapInqQosMeterStatsEntry Entry description: Ingress statistics about a specific SAP's QoS meter. Table description (for sapInqQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (sapInqQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional		
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test

Table 151 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 152 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 152 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 152 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 153 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 153 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 153 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats MIB entry name: sdpBindIgmppStatsEntry Entry description: sdpBindIgmppStatsEntry is an entry in the sdpBindIgmppStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs. Table description (for sdpBindIgmppStatsTable): sdpBindIgmppStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpRxBadEncodedPkts [Sdp Bnd Igmpp Snp Rx Bad Encoded Pkts] (sdpBndIgmppSnpRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 153 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSMPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSM Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSMPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSMPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSMPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSM Pkts] (sdpBndIgmPsnpgRxBadIpChkSMPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSMPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.

Table 153 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmppSnpgStats</p> <p>MIB entry name: sdpBindingIgmppSnpgStatsEntry</p> <p>Entry description: sdpBindingIgmppSnpgStatsEntry is an entry in the sdpBindingIgmppSnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmppSnpgStatsTable): sdpBindingIgmppSnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpgFwdGenQueries [Sdp Bnd Igmpp Snpg Fwd Gen Queries] (sdpBndIgmppSnpgFwdGenQueries)	long	The value of the object sdpBndIgmppSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdGrpSpecQueries [Sdp Bnd Igmpp Snpg Fwd Grp Spec Queries] (sdpBndIgmppSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmppSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdUnknownType [Sdp Bnd Igmpp Snpg Fwd Unknown Type] (sdpBndIgmppSnpgFwdUnknownType)	long	The value of the object sdpBndIgmppSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV1Reports [Sdp Bnd Igmpp Snpg Fwd V1 Reports] (sdpBndIgmppSnpgFwdV1Reports)	long	The value of the object sdpBndIgmppSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV2Leaves [Sdp Bnd Igmpp Snpg Fwd V2 Leaves] (sdpBndIgmppSnpgFwdV2Leaves)	long	The value of the object sdpBndIgmppSnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 153 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 153 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloResponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 154 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveClockRecoveryStats</p> <p>MIB entry name: aluPortAcrClkStatsEntry</p> <p>Entry description: Defines an entry in aluPortAcrClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortAcrClkStatsTable): Defines the Nokia SAR series port adaptive clock recovery (ACR) statistics table for providing, via SNMP, the capability of retrieving statistical information relating to clock that is derived from the ACR CPIPE PW.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
freqOffsetMeanPastDay [Freq Offset Mean Past Day] (aluCurrent24HourFreqOffsetMeanPpb)	long	aluCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetMeanPastMinute [Freq Offset Mean Past Minute] (aluCurrent1MinFreqOffsetMeanPpb)	long	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
freqOffsetStdDevPastDay [Freq Offset Std Dev Past Day] (aluCurrent24HourFreqOffsetStdDevPpb)	long	aluCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetStdDevPastMinute [Freq Offset Std Dev Past Minute] (aluCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
phaseErrorMeanPastMinuteTime [Phase Error Mean Past Minute Time] (aluCurrent1MinPhaseErrorMeanNs)	long	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 154 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
phaseErrorStdDevPastMinute [Phase Error Std Dev Past Minute] (aluCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.
<p>DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).

Table 154 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.

Table 154 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.

Table 154 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.
<p>DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.

Table 154 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESSs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 155 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmppSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (saplgmpSnpgMaxNumGroupsDrops)	long	The value of the object saplgmpSnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpgRxBadEncodedPkts [Sap Igmp Snpg Rx Bad Encoded Pkts] (saplgmpSnpgRxBadEncodedPkts)	long	The value of the object saplgmpSnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpgRxBadIgmppChksumPkts [Sap Igmp Snpg Rx Bad Igmp Chksum Pkts] (saplgmpSnpgRxBadIgmppChksumPkts)	long	The value of the object saplgmpSnpgRxBadIgmppChksumPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpgRxBadIppChksumPkts [Sap Igmp Snpg Rx Bad Ip Chksum Pkts] (saplgmpSnpgRxBadIppChksumPkts)	long	The value of the object saplgmpSnpgRxBadIppChksumPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 155 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmprSnpgrStats</p> <p>MIB entry name: saplgmpSnpgrStatsEntry</p> <p>Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 155 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgFwdGenQueries [Sap Igmp Snpg Fwd Gen Queries] (sapIgmPsnpgFwdGenQueries)	long	The value of the object sapIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
sapIgmPsnpgFwdGrpSpecQueries [Sap Igmp Snpg Fwd Grp Spec Queries] (sapIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sapIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
sapIgmPsnpgFwdUnknownType [Sap Igmp Snpg Fwd Unknown Type] (sapIgmPsnpgFwdUnknownType)	long	The value of the object sapIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
sapIgmPsnpgFwdV1Reports [Sap Igmp Snpg Fwd V1 Reports] (sapIgmPsnpgFwdV1Reports)	long	The value of the object sapIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
sapIgmPsnpgFwdV2Leaves [Sap Igmp Snpg Fwd V2 Leaves] (sapIgmPsnpgFwdV2Leaves)	long	The value of the object sapIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
sapIgmPsnpgFwdV2Reports [Sap Igmp Snpg Fwd V2 Reports] (sapIgmPsnpgFwdV2Reports)	long	The value of the object sapIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
sapIgmPsnpgFwdV3Reports [Sap Igmp Snpg Fwd V3 Reports] (sapIgmPsnpgFwdV3Reports)	long	The value of the object sapIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
sapIgmPsnpgRxGenQueries [Sap Igmp Snpg Rx Gen Queries] (sapIgmPsnpgRxGenQueries)	long	The value of the object sapIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SAP.
sapIgmPsnpgRxGrpSpecQueries [Sap Igmp Snpg Rx Grp Spec Queries] (sapIgmPsnpgRxGrpSpecQueries)	long	The value of the object sapIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 155 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 155 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxV1Reports [Sap Igmp Snpg Tx V1 Reports] (sapIgmPsnpgTxV1Reports)	long	The value of the object sapIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
sapIgmPsnpgTxV2Leaves [Sap Igmp Snpg Tx V2 Leaves] (sapIgmPsnpgTxV2Leaves)	long	The value of the object sapIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
sapIgmPsnpgTxV2Reports [Sap Igmp Snpg Tx V2 Reports] (sapIgmPsnpgTxV2Reports)	long	The value of the object sapIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
sapIgmPsnpgTxV3Reports [Sap Igmp Snpg Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
L2AccessInterfaceMvrStats MIB entry name: sapIgmPsnpgStatsEntry Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapIgmPsnpgMvrFromVplsCfgDrops [Sap Igmp Snpg Mvr From Vpls Cfg Drops] (sapIgmPsnpgMvrFromVplsCfgDrops)	long	The value of the object sapIgmPsnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the sapIgmPsnpgCfgMvrFromVplsId configuration on this SAP.
sapIgmPsnpgMvrToSapCfgDrops [Sap Igmp Snpg Mvr To Sap Cfg Drops] (sapIgmPsnpgMvrToSapCfgDrops)	long	The value of the object sapIgmPsnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the sapIgmPsnpgCfgMvrToSapPortId and sapIgmPsnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 155 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsClntDropdPckts [Sap Tls Dhcp Stats Clnt Dropd Pckts] (sapTlsDhcpStatsClntDropdPckts)	long	The value of the object sapTlsDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPckts [Sap Tls Dhcp Stats Clnt Forwd Pckts] (sapTlsDhcpStatsClntForwdPckts)	long	The value of the object sapTlsDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 155 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 156 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 156 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 156 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

20 7210 SAS-R performance statistics counters

20.1 Performance statistics counters

20.1.1 Counters

Table 157 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 157 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 157 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 158 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 158 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 158 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 159 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
<p>temperature [Temperature] (tmnxHwTemperature)</p>	int	<p>The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.</p>

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress- QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress- QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress- QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress- QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 159 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 160 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernetets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 160 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 161 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)	long	The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 161 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavlIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavlIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 161 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 162 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 162 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 162 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 162 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 163 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisisStatsTable): The tmnxIisisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisisTable and tmnxIisisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisisStatsCSNPDrop)	long	The value of the object tmnxIisisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIisisStatsCSNPRecd)	long	The value of the object tmnxIisisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisisStatsCSNPRetrans)	long	The value of the object tmnxIisisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIisisStatsCSNPSent)	long	The value of the object tmnxIisisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIisisStatsIIHDrop)	long	The value of the object tmnxIisisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsIIHDrop.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPRetrans)	long	The value of the object tmnxIisisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownRetrans)	long	The value of the object tmnxIisisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
<p>SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 163 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 164 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 164 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 164 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.

Table 164 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 165 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 165 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 166 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrawIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrawOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRecv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRecv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 166 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 166 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactivesf)	long	The value of vLdpNgStatsIPv4Inactivesf specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 166 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 167 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 167 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 167 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 167 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 168 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 168 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats MIB entry name: vRtrMplsLspPathStatEntry Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Supports realtime plotting Supports scheduled collection Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 168 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats MIB entry name: vRtrMplsLspStatEntry Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 168 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 168 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 168 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 169 mplstp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathMepStats</p> <p>MIB entry name: vRtrMplsTpLspPtPathMepStatEntry</p> <p>Entry description: The vRtrMplsTpLspPathMepEntry represents a Maintenance Endpoint for a MPLS-TP LSP protection Path. Rows are created and destroyed by the system based on the configuration of the MEP protection-type.</p> <p>Table description (for vRtrMplsTpLspPtPathMepStatTable): The vRtrMplsTpLspPtPathMepStatTable maintains the Maintenance End Points (MEPs) statistics for MPLS-TP LSP protection paths.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mplstp.PathMep</p>		
wtrTimer [Wtr Timer] (vRtrMplsTpLspPtPathMepWTRTimer)	long	The value of vRtrMplsTpLspPtPathMepWTRTimer indicates the remaining Wait-To-Restore time, in seconds, before the protection path can switch back to the working path. A value of zero (0) indicates that there is no WTR timer in effect.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplstp.Site</p>		
mplsTpLspOriginate [Mpls Tp Lsp Originate] (vRtrMplsGenMplsTpLspOriginate)	long	The value of vRtrMplsGenMplsTpLspOriginate indicates the number of MPLS TP LSPs that originate at this virtual router.
mplsTpLspTerminate [Mpls Tp Lsp Terminate] (vRtrMplsGenMplsTpLspTerminate)	long	The value of vRtrMplsGenMplsTpLspTerminate indicates the number of MPLS TP LSPs that terminate at this virtual router.

Table 169 mplsTp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsTpLspTransit [Mpls Tp Lsp Transit] (vRtrMplsGenMplsTpLspTransit)	long	The value of vRtrMplsGenMplsTpLspTransit indicates the number of MPLS TP LSPs that transit through this virtual router.
mplsTpOrigPathInst [Mpls Tp Orig Path Inst] (vRtrMplsGenMplsTpOrigPathInst)	long	The value of vRtrMplsGenMplsTpOrigPathInst indicates the number of MPLS TP LSPs originate path instances.
mplsTpTermPathInst [Mpls Tp Term Path Inst] (vRtrMplsGenMplsTpTermPathInst)	long	The value of vRtrMplsGenMplsTpTermPathInst indicates the number of MPLS TP LSPs terminated path instances.
mplsTpTranPathInst [Mpls Tp Tran Path Inst] (vRtrMplsGenMplsTpTranPathInst)	long	The value of vRtrMplsGenMplsTpTranPathInst indicates the number of MPLS TP LSPs transit path instances.

Table 170 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 170 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 170 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 170 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 170 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 171 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmpInGetBulks [Sgi Snmp In Get Bulks] (sgiSnmpInGetBulks)	long	The value of sgiSnmpInGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 171 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 171 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 172 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamLfRxDBDs)	long	The value of tmnxOspfShamLfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 172 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 173 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 173 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 173 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 173 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 173 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 173 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 174 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertizements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdup] (vRtrPimNgGenStatForwardCrpaPdup)	long	The value of vRtrPimNgGenStatForwardCrpaPdup indicates the number of Candidate-RP Advertizements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertizement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdup [Rx Crpa Pdup] (vRtrPimNgGenStatRxCrpaPdup)	long	The value of vRtrPimNgGenStatRxCrpaPdup indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTL Drops [Tx Register TTL Drops] (vRtrPimNgGenStatTxRegTTL Drops)	long	The value of vRtrPimNgGenStatTxRegTTL Drops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 174 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmtch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmtch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpflIndex.

Table 175 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 175 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 176 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
RsvpInterfaceStats MIB entry name: vRtrRsvplfEntry Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation. Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB. Supports realtime plotting Supports scheduled collection Monitored class: rsvp.Interface		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 176 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 177 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 177 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 177 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 177 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 177 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.

Table 177 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 177 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.

Table 178 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)}'). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBin</p>		

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwEntry</p> <p>Entry description: tmnxOamPmStsLossTwEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwTable): tmnxOamPmStsLossTwTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwAvailIndBwd)	long	The value of tmnxOamPmStsLossTwAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwAvailIndFwd)	long	The value of tmnxOamPmStsLossTwAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwlChliBwd)	long	The value of tmnxOamPmStsLossTwlChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwlChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwlChliFwd)	long	The value of tmnxOamPmStsLossTwlChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwlHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwlHliBwd)	long	The value of tmnxOamPmStsLossTwlHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwlHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwlHliFwd)	long	The value of tmnxOamPmStsLossTwlHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwIRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwIRxBwd)	long	The value of tmnxOamPmStsLossTwIRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwIRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwIRxFwd)	long	The value of tmnxOamPmStsLossTwIRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwITxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwITxBwd)	long	The value of tmnxOamPmStsLossTwITxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwITxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwITxFwd)	long	The value of tmnxOamPmStsLossTwITxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwIUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwIUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwIUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 178 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwIReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwIRflEntry</p> <p>Entry description: tmnxOamPmStsTwIRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwIRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwIRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwIRflEntry.</p> <p>Table description (for tmnxOamPmStsTwIRflTable): tmnxOamPmStsTwIRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwIReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 179 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.

Table 179 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTag- DroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.

Table 179 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SasSapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsExtnEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsExtnTable): A table that contains egress QoS queue SAP statistics. This table extends the capabilities of sapEgrQosQueueStatsTable</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
droppedOctets [Dropped Octets] (sapEgrQosQueueStatsInprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this in profile egress Queue.
droppedPackets [Dropped Packets] (sapEgrQosQueueStatsInprofDroPkts)	java. math. BigInteger	The number of dropped packets for this in profile egress Queue.
forwardedOctets [Forwarded Octets] (sapEgrQosQueueStatsFwdOcts)	java. math. BigInteger	The number of forwarded bytes on this egress Queue.
forwardedPackets [Forwarded Packets] (sapEgrQosQueueStatsFwdPkts)	java. math. BigInteger	The number of forwarded packets on this egress Queue.

Table 179 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ServiceSapIngQosPlcyStats</p> <p>MIB entry name: sapIngQosMeterStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS meter.</p> <p>Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 179 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
<p>Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional</p>		
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received

Table 179 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 180 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 180 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 180 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 181 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 181 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 181 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats MIB entry name: sdpBindIgmppStatsEntry Entry description: sdpBindIgmppStatsEntry is an entry in the sdpBindIgmppStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls. Table description (for sdpBindIgmppStatsTable): sdpBindIgmppStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpRxBadEncodedPkts [Sdp Bnd Igmpp Snp Rx Bad Encoded Pkts] (sdpBndIgmppSnpRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 181 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxBadRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxBadRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxBadRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxBadWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxBadWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxBadWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxBadZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxBadZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxBadZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgSendQueryCfgDrops for this SDP Bind is set to 'enabled(1)'.

Table 181 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmppSnpgStats</p> <p>MIB entry name: sdpBindingIgmppSnpgStatsEntry</p> <p>Entry description: sdpBindingIgmppSnpgStatsEntry is an entry in the sdpBindingIgmppSnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmppSnpgStatsTable): sdpBindingIgmppSnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpgFwdGenQueries [Sdp Bnd Igmpp Snpg Fwd Gen Queries] (sdpBndIgmppSnpgFwdGenQueries)	long	The value of the object sdpBndIgmppSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdGrpSpecQueries [Sdp Bnd Igmpp Snpg Fwd Grp Spec Queries] (sdpBndIgmppSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmppSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdUnknownType [Sdp Bnd Igmpp Snpg Fwd Unknown Type] (sdpBndIgmppSnpgFwdUnknownType)	long	The value of the object sdpBndIgmppSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV1Reports [Sdp Bnd Igmpp Snpg Fwd V1 Reports] (sdpBndIgmppSnpgFwdV1Reports)	long	The value of the object sdpBndIgmppSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV2Leaves [Sdp Bnd Igmpp Snpg Fwd V2 Leaves] (sdpBndIgmppSnpgFwdV2Leaves)	long	The value of the object sdpBndIgmppSnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 181 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd Igm Psnpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd Igm Psnpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd Igm Psnpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd Igm Psnpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd Igm Psnpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd Igm Psnpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd Igm Psnpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd Igm Psnpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd Igm Psnpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 181 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 182 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (sapIgmPsnpgImportPolicyDrops)	long	The value of the object sapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (sapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap Igmp Snpg Rx Bad Encoded Pkts] (sapIgmPsnpgRxBadEncodedPkts)	long	The value of the object sapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap Igmp Snpg Rx Bad Igmp ChkSm Pkts] (sapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap Igmp Snpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 182 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'. L2AccessInterfaceIgmprSnpgrStats MIB entry name: saplgmpSnpgrStatsEntry Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface

Table 182 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgFwdGenQueries [Sap Igmp Snpg Fwd Gen Queries] (sapIgmPsnpgFwdGenQueries)	long	The value of the object sapIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
sapIgmPsnpgFwdGrpSpecQueries [Sap Igmp Snpg Fwd Grp Spec Queries] (sapIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sapIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
sapIgmPsnpgFwdUnknownType [Sap Igmp Snpg Fwd Unknown Type] (sapIgmPsnpgFwdUnknownType)	long	The value of the object sapIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
sapIgmPsnpgFwdV1Reports [Sap Igmp Snpg Fwd V1 Reports] (sapIgmPsnpgFwdV1Reports)	long	The value of the object sapIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
sapIgmPsnpgFwdV2Leaves [Sap Igmp Snpg Fwd V2 Leaves] (sapIgmPsnpgFwdV2Leaves)	long	The value of the object sapIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
sapIgmPsnpgFwdV2Reports [Sap Igmp Snpg Fwd V2 Reports] (sapIgmPsnpgFwdV2Reports)	long	The value of the object sapIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
sapIgmPsnpgFwdV3Reports [Sap Igmp Snpg Fwd V3 Reports] (sapIgmPsnpgFwdV3Reports)	long	The value of the object sapIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
sapIgmPsnpgRxGenQueries [Sap Igmp Snpg Rx Gen Queries] (sapIgmPsnpgRxGenQueries)	long	The value of the object sapIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SAP.
sapIgmPsnpgRxGrpSpecQueries [Sap Igmp Snpg Rx Grp Spec Queries] (sapIgmPsnpgRxGrpSpecQueries)	long	The value of the object sapIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 182 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 182 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxV1Reports [Sap Igmp Snpg Tx V1 Reports] (sapIgmPsnpgTxV1Reports)	long	The value of the object sapIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
sapIgmPsnpgTxV2Leaves [Sap Igmp Snpg Tx V2 Leaves] (sapIgmPsnpgTxV2Leaves)	long	The value of the object sapIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
sapIgmPsnpgTxV2Reports [Sap Igmp Snpg Tx V2 Reports] (sapIgmPsnpgTxV2Reports)	long	The value of the object sapIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
sapIgmPsnpgTxV3Reports [Sap Igmp Snpg Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
L2AccessInterfaceMvrStats MIB entry name: sapIgmPsnpgStatsEntry Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapIgmPsnpgMvrFromVplsCfgDrops [Sap Igmp Snpg Mvr From Vpls Cfg Drops] (sapIgmPsnpgMvrFromVplsCfgDrops)	long	The value of the object sapIgmPsnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the sapIgmPsnpgCfgMvrFromVplsId configuration on this SAP.
sapIgmPsnpgMvrToSapCfgDrops [Sap Igmp Snpg Mvr To Sap Cfg Drops] (sapIgmPsnpgMvrToSapCfgDrops)	long	The value of the object sapIgmPsnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the sapIgmPsnpgCfgMvrToSapPortId and sapIgmPsnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 182 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsClntDropdPckts [Sap Tls Dhcp Stats Clnt Dropd Pckts] (sapTlsDhcpStatsClntDropdPckts)	long	The value of the object sapTlsDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPckts [Sap Tls Dhcp Stats Clnt Forwd Pckts] (sapTlsDhcpStatsClntForwdPckts)	long	The value of the object sapTlsDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 182 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 183 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 183 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 183 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

21 7210 SAS-T performance statistics counters

21.1 Performance statistics counters

21.1.1 Counters

Table 184 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 184 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
MacHitCountStats MIB entry name: tMacFilterParamsEntry Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile. Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters. Supports realtime plotting Supports scheduled collection Monitored class: acfilter.MacFilterEntry		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 184 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 185 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 185 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 185 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 186 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress- QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress- QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress- QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress- QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.
UplinkPortNetIngressStats MIB entry name: tmnxSASPortNetIngressStatsEntry Entry description: Defines an entry in tmnxSASPortNetIngressStatsTable. Entries are created and deleted by the system depending on the meter policy being used at the specific port. Table description (for tmnxSASPortNetIngressStatsTable): Defines the Nokia SAS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical Meters being used for the ports to forward the network ingress traffic. Supports realtime plotting Does not support scheduled collection Monitored class: equipment.PhysicalPort		
portNetIngressFwdInProfOcts [Port Net Ingress Fwd In Prof Octs] (tmnxSASPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this meter.

Table 186 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetIngressFwdInProfPkts [Port Net Ingress Fwd In Prof Pkts] (tmnxSASPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this meter.
portNetIngressFwdOutProfOcts [Port Net Ingress Fwd Out Prof Octs] (tmnxSASPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this meter.
portNetIngressFwdOutProfPkts [Port Net Ingress Fwd Out Prof Pkts] (tmnxSASPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxSASPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this meter.
portNetIngressMeterIndex [Port Net Ingress Meter Index] (tmnxSASPortNetIngressMeterIndex)	long	'tmnxSASPortNetIngressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress meter for the specified port in the managed system.

Table 187 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats MIB entry name: tmnxPortIngrMdaQosStatEntry Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured. Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15 Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 187 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 188 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
<p>delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)</p>	<p>long</p>	<p>The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).</p>

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoWayCount [Delay Dmm BintwoWay Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavlIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavlIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 188 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 189 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 189 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 189 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 189 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 190 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIsisStatsCSNPDrop)	long	The value of the object tmnxIsisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIsisStatsCSNPRecd)	long	The value of the object tmnxIsisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIsisStatsCSNPRetrans)	long	The value of the object tmnxIsisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIsisStatsCSNPSent)	long	The value of the object tmnxIsisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIsisStatsIIHDrop)	long	The value of the object tmnxIsisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsIIHDrop.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPRecd)	long	The value of the object tmnxIsisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsUnknownSent.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 190 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 191 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 191 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 191 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.

Table 191 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 192 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 192 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 193 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRcv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRcv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactifef)	long	The value of vLdpNgStatsIPv4Inactifef specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 193 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 194 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 194 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 194 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 194 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		
IldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 195 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 195 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 195 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 195 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats</p> <p>MIB entry name: vRtrMplsIfStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 195 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 195 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 196 mplsTp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathMepStats</p> <p>MIB entry name: vRtrMplsTpLspPtPathMepStatEntry</p> <p>Entry description: The vRtrMplsTpLspPathMepEntry represents a Maintenance Endpoint for a MPLS-TP LSP protection Path. Rows are created and destroyed by the system based on the configuration of the MEP protection-type.</p> <p>Table description (for vRtrMplsTpLspPtPathMepStatTable): The vRtrMplsTpLspPtPathMepStatTable maintains the Maintenance End Points (MEPs) statistics for MPLS-TP LSP protection paths.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mplsTp.PathMep</p>		
wtrTimer [Wtr Timer] (vRtrMplsTpLspPtPathMepWTRTimer)	long	The value of vRtrMplsTpLspPtPathMepWTRTimer indicates the remaining Wait-To-Restore time, in seconds, before the protection path can switch back to the working path. A value of zero (0) indicates that there is no WTR timer in effect.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsTp.Site</p>		
mplsTpLspOriginate [Mpls Tp Lsp Originate] (vRtrMplsGenMplsTpLspOriginate)	long	The value of vRtrMplsGenMplsTpLspOriginate indicates the number of MPLS TP LSPs that originate at this virtual router.
mplsTpLspTerminate [Mpls Tp Lsp Terminate] (vRtrMplsGenMplsTpLspTerminate)	long	The value of vRtrMplsGenMplsTpLspTerminate indicates the number of MPLS TP LSPs that terminate at this virtual router.

Table 196 mplstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsTpLspTransit [Mpls Tp Lsp Transit] (vRtrMplsGenMplsTpLspTransit)	long	The value of vRtrMplsGenMplsTpLspTransit indicates the number of MPLS TP LSPs that transit through this virtual router.
mplsTpOrigPathInst [Mpls Tp Orig Path Inst] (vRtrMplsGenMplsTpOrigPathInst)	long	The value of vRtrMplsGenMplsTpOrigPathInst indicates the number of MPLS TP LSPs originate path instances.
mplsTpTermPathInst [Mpls Tp Term Path Inst] (vRtrMplsGenMplsTpTermPathInst)	long	The value of vRtrMplsGenMplsTpTermPathInst indicates the number of MPLS TP LSPs terminated path instances.
mplsTpTranPathInst [Mpls Tp Tran Path Inst] (vRtrMplsGenMplsTpTranPathInst)	long	The value of vRtrMplsGenMplsTpTranPathInst indicates the number of MPLS TP LSPs transit path instances.

Table 197 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 197 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 197 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 197 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 197 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 198 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 198 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 198 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 199 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats MIB entry name: tmnxOspfLfaStatsEntry Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol. Supports realtime plotting Supports scheduled collection Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
<p>InterfaceStatusStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkGeneralStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
ShamLinkReceiveStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamLfRxDBDs)	long	The value of tmnxOspfShamLfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAdrs)	long	The value of tmnxOspfShamIfBadDstAdrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 199 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 200 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 200 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 200 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 200 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInte- ger	The number of octets received in user data frames on this Port during the session.

Table 200 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort </p>		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 200 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 201 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrPimNgIfStatsEntry</p> <p>Entry description: An entry in the vRtrPimNgIfStatsTable.</p> <p>Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats</p> <p>MIB entry name: vRtrPimNgGenStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGenStatTable.</p> <p>Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTL Drops [Tx Register TTL Drops] (vRtrPimNgGenStatTxRegTTL Drops)	long	The value of vRtrPimNgGenStatTxRegTTL Drops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrddedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrddedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwddedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwddedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 201 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 202 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 202 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 203 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 203 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 204 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIfIcmp6InNbrAdvertisements)	long	The value of vRtrIfIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIfIcmp6InNbrSolicits)	long	The value of vRtrIfIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIfIcmp6InPktTooBigs)	long	The value of vRtrIfIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIfIcmp6InRedirects)	long	The value of vRtrIfIcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIfIcmp6InRtrAdvertisements)	long	The value of vRtrIfIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIfIcmp6InRtrSolicits)	long	The value of vRtrIfIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIfIcmp6InTimeExcds)	long	The value of vRtrIfIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIfIcmp6InMsgs)	long	The value of vRtrIfIcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIfIcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats</p> <p>MIB entry name: vRtrIflcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIfIcmp6OutPktTooBigs)	long	The value of vRtrIfIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIfIcmp6OutRedirects)	long	The value of vRtrIfIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIfIcmp6OutRtrAdvertisements)	long	The value of vRtrIfIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIfIcmp6OutRtrSolicits)	long	The value of vRtrIfIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIfIcmp6OutTimeExcds)	long	The value of vRtrIfIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 204 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 205 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)'}). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFWBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession 		

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBInCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStatsIntvlNum)	long	The value of tmnxOamPmStatsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStatsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwlEntry</p> <p>Entry description: tmnxOamPmStsLossTwlEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwlTable): tmnxOamPmStsLossTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwlAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwlAvailIndBwd)	long	The value of tmnxOamPmStsLossTwlAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwlAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwlAvailIndFwd)	long	The value of tmnxOamPmStsLossTwlAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwlAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwlAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwlAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwlChliBwd)	long	The value of tmnxOamPmStsLossTwlChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwlChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwlChliFwd)	long	The value of tmnxOamPmStsLossTwlChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwlHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwlHliBwd)	long	The value of tmnxOamPmStsLossTwlHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwlHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwlHliFwd)	long	The value of tmnxOamPmStsLossTwlHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwIRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwIRxBwd)	long	The value of tmnxOamPmStsLossTwIRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwIRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwIRxFwd)	long	The value of tmnxOamPmStsLossTwIRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwITxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwITxBwd)	long	The value of tmnxOamPmStsLossTwITxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwITxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwITxFwd)	long	The value of tmnxOamPmStsLossTwITxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwUnavlIndBwd)	long	The value of tmnxOamPmStsLossTwUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 205 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwlRflFramesRx)	long	The value of tmnxOamPmStsTwlRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwlRflFramesTx)	long	The value of tmnxOamPmStsTwlRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwlRflUpTime)	long	The value of tmnxOamPmStsTwlRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 206 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 206 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 206 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>SapBaseStats MIB entry name: sapBaseStatsEntry Entry description: Basic statistics about a specific SAP. Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		

Table 206 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
egressSapPolicerDroppedOctets [Egress Sap Policer Dropped Octets] (sapBaseStatsEgressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
egressSapPolicerDroppedPackets [Egress Sap Policer Dropped Packets] (sapBaseStatsEgressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTagDroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets

Table 206 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTagDroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.
<p>ServiceSapIngQosPlcyStats MIB entry name: sapIngQosMeterStatsEntry Entry description: Ingress statistics about a specific SAP's QoS meter. Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 206 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional		

Table 206 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 207 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 207 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 207 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 208 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 208 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 208 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpGErrorStats MIB entry name: sdpBindIgmppSnpGStatsEntry Entry description: sdpBindIgmppSnpGStatsEntry is an entry in the sdpBindIgmppSnpGStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls. Table description (for sdpBindIgmppSnpGStatsTable): sdpBindIgmppSnpGStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
sdpBndIgmppSnpGImportPolicyDrops [Sdp Bnd Igmpp SnpG Import Policy Drops] (sdpBndIgmppSnpGImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpGImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpGMaxNumGroupsDrops [Sdp Bnd Igmpp SnpG Max Num Groups Drops] (sdpBndIgmppSnpGMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpGRxBadEncodedPkts [Sdp Bnd Igmpp SnpG Rx Bad Encoded Pkts] (sdpBndIgmppSnpGRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 208 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxBadRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxBadRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxBadRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxBadVersionPkts [Sdp Bnd IgmP Snpg Rx Bad Version Pkts] (sdpBndIgmPsnpgRxBadVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxBadVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxBadZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Bad Zero Src Adr Pkts] (sdpBndIgmPsnpgRxBadZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxBadZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgSendQueryCfgDrops for this SDP Bind is set to 'enabled(1)'.

Table 208 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmppSnpgStats</p> <p>MIB entry name: sdpBindingIgmppSnpgStatsEntry</p> <p>Entry description: sdpBindingIgmppSnpgStatsEntry is an entry in the sdpBindingIgmppSnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmppSnpgStatsTable): sdpBindingIgmppSnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpgFwdGenQueries [Sdp Bnd Igmpp Snpg Fwd Gen Queries] (sdpBndIgmppSnpgFwdGenQueries)	long	The value of the object sdpBndIgmppSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdGrpSpecQueries [Sdp Bnd Igmpp Snpg Fwd Grp Spec Queries] (sdpBndIgmppSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmppSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdUnknownType [Sdp Bnd Igmpp Snpg Fwd Unknown Type] (sdpBndIgmppSnpgFwdUnknownType)	long	The value of the object sdpBndIgmppSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV1Reports [Sdp Bnd Igmpp Snpg Fwd V1 Reports] (sdpBndIgmppSnpgFwdV1Reports)	long	The value of the object sdpBndIgmppSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV2Leaves [Sdp Bnd Igmpp Snpg Fwd V2 Leaves] (sdpBndIgmppSnpgFwdV2Leaves)	long	The value of the object sdpBndIgmppSnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 208 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 208 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloResponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 209 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveClockRecoveryStats</p> <p>MIB entry name: aluPortAcrClkStatsEntry</p> <p>Entry description: Defines an entry in aluPortAcrClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortAcrClkStatsTable): Defines the Nokia SAR series port adaptive clock recovery (ACR) statistics table for providing, via SNMP, the capability of retrieving statistical information relating to clock that is derived from the ACR CPIPE PW.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
freqOffsetMeanPastDay [Freq Offset Mean Past Day] (aluCurrent24HourFreqOffsetMeanPpb)	long	aluCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetMeanPastMinute [Freq Offset Mean Past Minute] (aluCurrent1MinFreqOffsetMeanPpb)	long	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
freqOffsetStdDevPastDay [Freq Offset Std Dev Past Day] (aluCurrent24HourFreqOffsetStdDevPpb)	long	aluCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetStdDevPastMinute [Freq Offset Std Dev Past Minute] (aluCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
phaseErrorMeanPastMinuteTime [Phase Error Mean Past Minute Time] (aluCurrent1MinPhaseErrorMeanNs)	long	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 209 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
phaseErrorStdDevPastMinute [Phase Error Std Dev Past Minute] (aluCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.
<p>DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).

Table 209 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.

Table 209 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.

Table 209 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.
DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.

Table 209 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESSs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 210 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmppSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (saplgmpSnpgMaxNumGroupsDrops)	long	The value of the object saplgmpSnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpgRxBadEncodedPkts [Sap Igmp Snpg Rx Bad Encoded Pkts] (saplgmpSnpgRxBadEncodedPkts)	long	The value of the object saplgmpSnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpgRxBadIgmppChksumPkts [Sap Igmp Snpg Rx Bad Igmp Chksum Pkts] (saplgmpSnpgRxBadIgmppChksumPkts)	long	The value of the object saplgmpSnpgRxBadIgmppChksumPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpgRxBadIppChksumPkts [Sap Igmp Snpg Rx Bad Ip Chksum Pkts] (saplgmpSnpgRxBadIppChksumPkts)	long	The value of the object saplgmpSnpgRxBadIppChksumPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 210 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'. L2AccessInterfaceIgmprSnpgrStats MIB entry name: saplgmpSnpgrStatsEntry Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface

Table 210 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 210 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 210 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxV1Reports [Sap Igmp Snpg Tx V1 Reports] (sapIgmPsnpgTxV1Reports)	long	The value of the object sapIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
sapIgmPsnpgTxV2Leaves [Sap Igmp Snpg Tx V2 Leaves] (sapIgmPsnpgTxV2Leaves)	long	The value of the object sapIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
sapIgmPsnpgTxV2Reports [Sap Igmp Snpg Tx V2 Reports] (sapIgmPsnpgTxV2Reports)	long	The value of the object sapIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
sapIgmPsnpgTxV3Reports [Sap Igmp Snpg Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
L2AccessInterfaceMvrStats MIB entry name: sapIgmPsnpgStatsEntry Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapIgmPsnpgMvrFromVplsCfgDrops [Sap Igmp Snpg Mvr From Vpls Cfg Drops] (sapIgmPsnpgMvrFromVplsCfgDrops)	long	The value of the object sapIgmPsnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the sapIgmPsnpgCfgMvrFromVplsId configuration on this SAP.
sapIgmPsnpgMvrToSapCfgDrops [Sap Igmp Snpg Mvr To Sap Cfg Drops] (sapIgmPsnpgMvrToSapCfgDrops)	long	The value of the object sapIgmPsnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the sapIgmPsnpgCfgMvrToSapPortId and sapIgmPsnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 210 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsCIntDropdPckts [Sap Tls Dhcp Stats CInt Dropd Pckts] (sapTlsDhcpStatsCIntDropdPckts)	long	The value of the object sapTlsDhcpStatsCIntDropdPckts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsCIntForwdPckts [Sap Tls Dhcp Stats CInt Forwd Pckts] (sapTlsDhcpStatsCIntForwdPckts)	long	The value of the object sapTlsDhcpStatsCIntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsCIntProxLSPckts [Sap Tls Dhcp Stats CInt Prox LSPckts] (sapTlsDhcpStatsCIntProxLSPckts)	long	The value of the object sapTlsDhcpStatsCIntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsCIntProxRadPckts [Sap Tls Dhcp Stats CInt Prox Rad Pckts] (sapTlsDhcpStatsCIntProxRadPckts)	long	The value of the object sapTlsDhcpStatsCIntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsCIntSnoopdPckts [Sap Tls Dhcp Stats CInt Snoopd Pckts] (sapTlsDhcpStatsCIntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsCIntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.

Table 210 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSvrDropdPckts [Sap Tls Dhcp Stats Svr Dropd Pckts] (sapTlsDhcpStatsSvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSvrForwdPckts [Sap Tls Dhcp Stats Svr Forwd Pckts] (sapTlsDhcpStatsSvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSvrSnoopdPckts [Sap Tls Dhcp Stats Svr Snoopd Pckts] (sapTlsDhcpStatsSvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 211 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 211 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 211 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

22 7210 SAS-X performance statistics counters

22.1 Performance statistics counters

22.1.1 Counters

Table 212 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		

Table 212 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.

Table 212 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 213 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 213 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 213 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 214 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius. laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV. voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+-----+ +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+-----+ +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortAccessEgressQueueStats</p> <p>MIB entry name: tmnxPortAccessEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortAccessEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortAccessEgressQueueStatsTable): Defines the Nokia SAS series access port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portAccessEgressQueueStatsDroOcts [Port Access Egress Queue Stats Dro Octs] (tmnxPortAccessEgress-QueueStatsDroOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portAccessEgressQueueStatsDroPkts [Port Access Egress Queue Stats Dro Pkts] (tmnxPortAccessEgress-QueueStatsDroPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsDroPkts indicates the number of dropped access egress packets on this port using this queue.
portAccessEgressQueueStatsFwdOcts [Port Access Egress Queue Stats Fwd Octs] (tmnxPortAccessEgress-QueueStatsFwdOcts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdOcts indicates the number of forward access egress octets forwarded on this port using this queue.
portAccessEgressQueueStatsFwdPkts [Port Access Egress Queue Stats Fwd Pkts] (tmnxPortAccessEgress-QueueStatsFwdPkts)	java. math. BigInteger	tmnxPortAccessEgressQueueStatsFwdPkts indicates the number of forwarded access egress packets forwarded on this port using this queue.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccessEgressQueueStatsIndex [Port Access Egress Queue Stats Index] (tmnxPortAccessEgressQueueStatsIndex)	long	'tmnxPortAccessEgressQueueIndex' serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a access egress queue for the specified port in the managed system.
<p>PortNetEgressQueueStats</p> <p>MIB entry name: tmnxPortNetEgressQueueStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressQueueStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressQueueStatsTable): Defines the Nokia SAS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
portNetEgressQueueStatsDroOcts [Port Net Egress Queue Stats Dro Octs] (tmnxPortNetEgressQueueStatsDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroOcts indicates the number of dropped network egress octets on this port using this queue.
portNetEgressQueueStatsDroPkts [Port Net Egress Queue Stats Dro Pkts] (tmnxPortNetEgressQueueStatsDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsDroPkts indicates the number of dropped network egress packets on this port using this queue.
portNetEgressQueueStatsFwdOcts [Port Net Egress Queue Stats Fwd Octs] (tmnxPortNetEgressQueueStatsFwdOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdOcts indicates the number of forwarded network egress octets on this port using this queue.
portNetEgressQueueStatsFwdPkts [Port Net Egress Queue Stats Fwd Pkts] (tmnxPortNetEgressQueueStatsFwdPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsFwdPkts indicates the number of forwarded network egress packets on this port using this queue.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgressQueueStatsInProfDroOcts [Port Net Egress Queue Stats In Prof Dro Octs] (tmnxPortNetEgress- QueueStatsInProfDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsInProfDroOcts indicates the number of dropped network egress octets on this port using this in-profile queue.
portNetEgressQueueStatsInProfDroPkts [Port Net Egress Queue Stats In Prof Dro Pkts] (tmnxPortNetEgress- QueueStatsInProfDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsInProfDroPkts indicates the number of dropped network egress octets on this port using this in-profile queue.
portNetEgressQueueStatsIndex [Port Net Egress Queue Stats Index] (tmnxPortNetEgressQueueStatsIndex)	long	tmnxPortNetEgressQueueStatsIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
portNetEgressQueueStatsOutProfDroOcts [Port Net Egress Queue Stats Out Prof Dro Octs] (tmnxPortNetEgressQueueStats- OutProfDroOcts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsOutProfDroOcts indicates the number of dropped network egress octets on this port using this out-profile queue.
portNetEgressQueueStatsOutProfDroPkts [Port Net Egress Queue Stats Out Prof Dro Pkts] (tmnxPortNetEgressQueueStats- OutProfDroPkts)	java. math. BigInteger	tmnxPortNetEgressQueueStatsOutProfDroPkts indicates the number of dropped network egress octets on this port using this out-profile queue.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
portNetIngressMeterId [Port Net Ingress Meter Id] (tmnxPortNetIngressQueueIndex)	long	tmnxPortNetIngressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ingress queue for the specified port in the managed system.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.

Table 214 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 215 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats MIB entry name: tmnxPortIngrMdaQosStatEntry Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured. Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15 Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 215 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 216 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
<p>delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)</p>	<p>long</p>	<p>The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).</p>

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoWayCount [Delay Dmm BintwoWay Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavailIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavailIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 216 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 217 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 217 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 217 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 217 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 218 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIsisStatsCSNPDrop)	long	The value of the object tmnxIsisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIsisStatsCSNPRecd)	long	The value of the object tmnxIsisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIsisStatsCSNPRetrans)	long	The value of the object tmnxIsisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIsisStatsCSNPSent)	long	The value of the object tmnxIsisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIsisStatsIIHDrop)	long	The value of the object tmnxIsisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsIIHDrop.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIisisStatsIIHRecd)	long	The value of the object tmnxIisisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIisisStatsIIHRetrans)	long	The value of the object tmnxIisisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIisisStatsIIHSent)	long	The value of the object tmnxIisisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIisisStatsLSPDrop)	long	The value of the object tmnxIisisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIisisStatsLSPRecd)	long	The value of the object tmnxIisisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIisisStatsLSPRetrans)	long	The value of the object tmnxIisisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIisisStatsLSPSent)	long	The value of the object tmnxIisisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIisisStatsPSNPDrop)	long	The value of the object tmnxIisisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsPSNPDrop.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPRecd)	long	The value of the object tmnxIsisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsUnknownSent.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalPv4Coverage)	long	The value of the object tmnxIsisLfalPv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalPv4NodesCovered)	long	The value of the object tmnxIsisLfalPv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalPv4TotalNodes)	long	The value of the object tmnxIsisLfalPv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalPv6Coverage)	long	The value of the object tmnxIsisLfalPv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalPv6NodesCovered)	long	The value of the object tmnxIsisLfalPv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalPv6TotalNodes)	long	The value of the object tmnxIsisLfalPv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 218 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 219 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 219 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.

Table 219 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.

Table 219 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 220 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 220 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.

Table 221 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRcv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRcv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj specifies the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf specifies the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess specifies the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers specifies the number of configured IPv4 targeted peers that are administratively up in an LDP instance.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv specifies the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent specifies the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions specifies the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactifelf)	long	The value of vLdpNgStatsIPv4Inactifelf specifies the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers specifies the number of configured IPv6 targeted peers that are administratively up in an LDP instance.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents specifies the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv specifies the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent specifies the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.

Table 221 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 222 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 222 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tnmxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tnmxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tnmxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 222 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 222 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting Supports scheduled collection Monitored class: lldp.LLDPConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 223 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 223 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 223 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 223 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 223 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 223 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 224 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 224 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 224 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 224 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 224 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 225 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 225 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 225 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 226 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats MIB entry name: tmnxOspfLfaStatsEntry Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol. Supports realtime plotting Supports scheduled collection Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
<p>InterfaceStatusStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddr)	long	The value of tmnxOspfNglfBadDstAddr indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamIfEvents)	long	The value of tmnxOspfShamIfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAdrs)	long	The value of tmnxOspfShamIfBadDstAdrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 226 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 227 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 227 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 227 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 227 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 227 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort </p>		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 227 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 228 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats</p> <p>MIB entry name: vRtrPimNgGenStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGenStatTable.</p> <p>Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTL Drops [Tx Register TTL Drops] (vRtrPimNgGenStatTxRegTTL Drops)	long	The value of vRtrPimNgGenStatTxRegTTL Drops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrddedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrddedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 228 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 229 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 229 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 230 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvplfInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
RsvpInterfaceStats MIB entry name: vRtrRsvplfEntry Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation. Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB. Supports realtime plotting Supports scheduled collection Monitored class: rsvp.Interface		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 230 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 231 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>NetworkInterfaceIngressStats MIB entry name: vRtrNetIfIngressStatsEntry Entry description: Each row entry has statistics information for each router interface for each meter configured in the system. Table description (for vRtrNetIfIngressStatsTable): The vRtrNetIfIngressStatsTable has statistics entry for each router interface for each meter configured in the system. Supports realtime plotting Does not support scheduled collection Monitored class: rtr.NetworkInterface</p>		
ingressFwdInProfPkts [Ingress Fwd In Prof Pkts] (vRtrNetIfIngressFwdInProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdInProfPkts indicates the number of conforming network interface ingress packets forwarded on this router interface using this meter.
ingressFwdOutProfPkts [Ingress Fwd Out Prof Pkts] (vRtrNetIfIngressFwdOutProfPkts)	java. math. BigInteger	vRtrNetIfIngressFwdOutProfPkts indicates the number of exceeding network interface ingress packets forwarded on this router interface using this meter.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressMeterIndex [Ingress Meter Index] (vRtrNetIfIngressMeterIndex)	long	vRtrNetIfIngressMeterIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network ingress meter for the specified router interface in the managed system.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIflcmp6InDestUnreachs)	long	The value of vRtrIflcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIflcmp6InEchoReplies)	long	The value of vRtrIflcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIflcmp6InEchos)	long	The value of vRtrIflcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIflcmp6InErrors)	long	The value of vRtrIflcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIflcmp6InNbrAdvertisements)	long	The value of vRtrIflcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats</p> <p>MIB entry name: vRtrIflcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted.</p> <p>Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIfIcmp6OutPktTooBigs)	long	The value of vRtrIfIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIfIcmp6OutRedirects)	long	The value of vRtrIfIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIfIcmp6OutRtrAdvertisements)	long	The value of vRtrIfIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIfIcmp6OutRtrSolicits)	long	The value of vRtrIfIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIfIcmp6OutTimeExcds)	long	The value of vRtrIfIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 231 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIfIcmp6OutMsgs)	long	The value of vRtrIfIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 232 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)}'). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBin</p>		

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwEntry</p> <p>Entry description: tmnxOamPmStsLossTwEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmSts-BaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwTable): tmnxOamPmStsLossTwTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
pmTwlAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwlAvailIndBwd)	long	The value of tmnxOamPmStsLossTwlAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwlAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwlAvailIndFwd)	long	The value of tmnxOamPmStsLossTwlAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwlAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwlAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwlAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwlAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwiChliBwd)	long	The value of tmnxOamPmStsLossTwiChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwiChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwiChliFwd)	long	The value of tmnxOamPmStsLossTwiChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwiHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwiHliBwd)	long	The value of tmnxOamPmStsLossTwiHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwiHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwiHliFwd)	long	The value of tmnxOamPmStsLossTwiHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmTwiMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwiMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwiMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwiMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwiMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwiMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwiMinFlrBwd)	float	The value of tmnxOamPmStsLossTwiMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwiMinFlrFwd)	float	The value of tmnxOamPmStsLossTwiMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwIRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwIRxBwd)	long	The value of tmnxOamPmStsLossTwIRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwIRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwIRxFwd)	long	The value of tmnxOamPmStsLossTwIRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwITxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwITxBwd)	long	The value of tmnxOamPmStsLossTwITxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwITxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwITxFwd)	long	The value of tmnxOamPmStsLossTwITxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwlUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwlUnavlIndBwd)	long	The value of tmnxOamPmStsLossTwlUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwiUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwiUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwiUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwiUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 232 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TwIReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwIRflEntry</p> <p>Entry description: tmnxOamPmStsTwIRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwIRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwIRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwIRflEntry.</p> <p>Table description (for tmnxOamPmStsTwIRflTable): tmnxOamPmStsTwIRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwIReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 233 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressForwardedOctets [Egress Forwarded Octets] (sapBaseStatsEgressForwardedOctets)	java. math. BigInteger	The number of sap egress forwarded octets.
egressForwardedPackets [Egress Forwarded Packets] (sapBaseStatsEgressForwardedPackets)	java. math. BigInteger	The number of sap egress forwarded packets.
ingressDroppedOctets [Ingress Dropped Octets] (sapBaseStatsIngressDroppedOctets)	java. math. BigInteger	The number of sap ingress dropped octets.

Table 233 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedPackets [Ingress Dropped Packets] (sapBaseStatsIngressDroppedPackets)	java. math. BigInteger	The number of sap ingress dropped packets.
ingressExtraTagDroppedOctets [Ingress Extra Tag Dropped Octets] (sapBaseStatsIngressExtraTag- DroppedOctets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped octets
ingressExtraTagDroppedPackets [Ingress Extra Tag Dropped Packets] (sapBaseStatsIngressExtraTag- DroppedPackets)	java. math. BigInteger	The number of Ingress Extra Tag Dropped packets
ingressForwardedOctets [Ingress Forwarded Octets] (sapBaseStatsIngressForwardedOctets)	java. math. BigInteger	The number of sap ingress forwarded octets.
ingressForwardedPackets [Ingress Forwarded Packets] (sapBaseStatsIngressForwardedPackets)	java. math. BigInteger	The number of sap ingress forwarded packets.
qosClassifiersUse [Qos Classifiers Use] (sapBaseStatsQosClassifiersUsed)	int	This value indicates the number of ingress QoS classifiers used for this SAP.
qosMetersUsed [Qos Meters Used] (sapBaseStatsQosMetersUsed)	int	This value indicates the number of ingress QoS meters used for this SAP.

Table 233 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SasSapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsExtnEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsExtnTable): A table that contains egress QoS queue SAP statistics. This table extends the capabilities of sapEgrQosQueueStatsTable</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsInprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this in profile egress Queue.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsInprofDroPkts)	java. math. BigInteger	The number of dropped packets for this in profile egress Queue.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsOutprofDroOcts)	java. math. BigInteger	The number of dropped bytes for this out profile egress Queue.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsOutprofDroPkts)	java. math. BigInteger	The number of dropped packets for this out profile egress Queue.
forwardedOctets [Forwarded Octets] (sapEgrQosQueueStatsFwdOcts)	java. math. BigInteger	The number of forwarded bytes on this egress Queue.

Table 233 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedPackets [Forwarded Packets] (sapEgrQosQueueStatsFwdPkts)	java. math. BigInteger	The number of forwarded packets on this egress Queue.
<p>ServiceSapIngQosPlyStats</p> <p>MIB entry name: sapIngQosMeterStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS meter.</p> <p>Table description (for sapIngQosMeterStatsTable): A table that contains ingress QoS meter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosMeterStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosMeterStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosMeterStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.

Table 233 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosMeterStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
meterId [Meter Id] (sapIngQosMeterId)	long	The index of the ingress QoS meter of this SAP.
Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular test head result. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the mapping of a particular forwarding class traffic into the specified queue. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional		
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInte- ger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInte- ger	The Latency measured for this test

Table 233 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 234 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 234 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 234 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.

Table 235 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 235 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 235 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
SdpBindingIgmppSnpErrorStats MIB entry name: sdpBindIgmppStatsEntry Entry description: sdpBindIgmppStatsEntry is an entry in the sdpBindIgmppStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls. Table description (for sdpBindIgmppStatsTable): sdpBindIgmppStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmppSnpRxBadEncodedPkts [Sdp Bnd Igmpp Snp Rx Bad Encoded Pkts] (sdpBndIgmppSnpRxBadEncodedPkts)	long	The value of the object sdpBndIgmppSnpRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.

Table 235 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.

Table 235 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmppSnpgStats</p> <p>MIB entry name: sdpBindIgmppSnpgStatsEntry</p> <p>Entry description: sdpBindIgmppSnpgStatsEntry is an entry in the sdpBindIgmppSnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmppSnpgStatsTable): sdpBindIgmppSnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpgFwdGenQueries [Sdp Bnd Igmpp Snpg Fwd Gen Queries] (sdpBndIgmppSnpgFwdGenQueries)	long	The value of the object sdpBndIgmppSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdGrpSpecQueries [Sdp Bnd Igmpp Snpg Fwd Grp Spec Queries] (sdpBndIgmppSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmppSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdUnknownType [Sdp Bnd Igmpp Snpg Fwd Unknown Type] (sdpBndIgmppSnpgFwdUnknownType)	long	The value of the object sdpBndIgmppSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV1Reports [Sdp Bnd Igmpp Snpg Fwd V1 Reports] (sdpBndIgmppSnpgFwdV1Reports)	long	The value of the object sdpBndIgmppSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmppSnpgFwdV2Leaves [Sdp Bnd Igmpp Snpg Fwd V2 Leaves] (sdpBndIgmppSnpgFwdV2Leaves)	long	The value of the object sdpBndIgmppSnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.

Table 235 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 235 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloResponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 236 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceIgmPsnpgErrorStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (sapIgmPsnpgImportPolicyDrops)	long	The value of the object sapIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
sapIgmPsnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (sapIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnpgRxBadEncodedPkts [Sap Igmp Snpg Rx Bad Encoded Pkts] (sapIgmPsnpgRxBadEncodedPkts)	long	The value of the object sapIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnpgRxBadIgmPChkSmPkts [Sap Igmp Snpg Rx Bad Igmp ChkSm Pkts] (sapIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnpgRxBadIpChkSmPkts [Sap Igmp Snpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 236 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'. L2AccessInterfaceIgmprSnpgrStats MIB entry name: saplgmpSnpgrStatsEntry Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface

Table 236 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgFwdGenQueries [Sap Igmp Snpg Fwd Gen Queries] (sapIgmPsnpgFwdGenQueries)	long	The value of the object sapIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
sapIgmPsnpgFwdGrpSpecQueries [Sap Igmp Snpg Fwd Grp Spec Queries] (sapIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sapIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
sapIgmPsnpgFwdUnknownType [Sap Igmp Snpg Fwd Unknown Type] (sapIgmPsnpgFwdUnknownType)	long	The value of the object sapIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
sapIgmPsnpgFwdV1Reports [Sap Igmp Snpg Fwd V1 Reports] (sapIgmPsnpgFwdV1Reports)	long	The value of the object sapIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
sapIgmPsnpgFwdV2Leaves [Sap Igmp Snpg Fwd V2 Leaves] (sapIgmPsnpgFwdV2Leaves)	long	The value of the object sapIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
sapIgmPsnpgFwdV2Reports [Sap Igmp Snpg Fwd V2 Reports] (sapIgmPsnpgFwdV2Reports)	long	The value of the object sapIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
sapIgmPsnpgRxGenQueries [Sap Igmp Snpg Rx Gen Queries] (sapIgmPsnpgRxGenQueries)	long	The value of the object sapIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SAP.
sapIgmPsnpgRxGrpSpecQueries [Sap Igmp Snpg Rx Grp Spec Queries] (sapIgmPsnpgRxGrpSpecQueries)	long	The value of the object sapIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
sapIgmPsnpgRxUnknownType [Sap Igmp Snpg Rx Unknown Type] (sapIgmPsnpgRxUnknownType)	long	The value of the object sapIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.

Table 236 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxV1Reports [Sap Igmp Snpgrx Tx V1 Reports] (saplgmpSnpgrxTxV1Reports)	long	The value of the object saplgmpSnpgrxTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpgrxTxV2Leaves [Sap Igmp Snpgrx Tx V2 Leaves] (saplgmpSnpgrxTxV2Leaves)	long	The value of the object saplgmpSnpgrxTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpgrxTxV2Reports [Sap Igmp Snpgrx Tx V2 Reports] (saplgmpSnpgrxTxV2Reports)	long	The value of the object saplgmpSnpgrxTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.

Table 236 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMvrStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapIgmPsnpgMvrFromVplsCfgDrops [Sap IgmPsnpg Mvr From Vpls Cfg Drops] (sapIgmPsnpgMvrFromVplsCfgDrops)	long	The value of the object sapIgmPsnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the sapIgmPsnpgCfgMvrFromVplsId configuration on this SAP.
sapIgmPsnpgMvrToSapCfgDrops [Sap IgmPsnpg Mvr To Sap Cfg Drops] (sapIgmPsnpgMvrToSapCfgDrops)	long	The value of the object sapIgmPsnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the sapIgmPsnpgCfgMvrToSapPortId and sapIgmPsnpgCfgMvrToSapEncapVal configuration on this SAP.
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTIsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTIsDhcpStatsTable): sapTIsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTIsInfoTable, and contains an entry for each TIs SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTIsDhcpStatsClntDropdPkts [Sap TIs Dhcp Stats Clnt Dropd Pkts] (sapTIsDhcpStatsClntDropdPkts)	long	The value of the object sapTIsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.

Table 236 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntForwdPckts [Sap Tls Dhcp Stats Clnt Forwd Pckts] (sapTlsDhcpStatsClntForwdPckts)	long	The value of the object sapTlsDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.

Table 236 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTIsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTIsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTIsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 237 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 237 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 237 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

23 7450 ESS performance statistics counters

23.1 Performance statistics counters

23.1.1 Counters

Table 238 aaa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaRadiusServerStats</p> <p>MIB entry name: tmnxRadIsaSrvStatsEntry</p> <p>Entry description: Each conceptual row represents a type of statistics of a connection with a particular RADIUS server. Rows in this table are automatically created and destroyed by the system.</p> <p>Table description (for tmnxRadIsaSrvStatsTable): The tmnxRadIsaSrvStatsTable contains statistics information about the connections with ISA RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.IsaRadiusServerConnection</p>		
statsName [Stats Name] (tmnxRadIsaSrvStatsName)	String	The value of the object tmnxRadIsaSrvStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxRadIsaSrvStatsType)	long	The value of tmnxRadIsaSrvStatsType indicates the type of ISA RADIUS server statistics contained in this conceptual row.
statsVal [Stats Val] (tmnxRadIsaSrvStatsValue)	long	The value of the object tmnxRadIsaSrvStatsValue indicates the value of the statistics contained in this conceptual row.
<p>L2tpRadiusEntryStats</p> <p>MIB entry name: tmnxL2tpApServStatsEntry</p> <p>Entry description: Each row represents statistics about a specific server of a specify L2TP accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxL2tpApServStatsTable): The tmnxL2tpApServStatsTable presents statistics of l2tp-accounting-policies' RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.L2tpRadiusEntry</p>		

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedRequestsPackets [Failed Requests Packets] (tmnxL2tpApServStatsReqSendFail)	long	The value of tmnxL2tpApServStatsReqSendFail indicates the number of RADIUS request packets that could not be transmitted for this server.
invAuthReponsesPackets [Inv Auth Reponses Packets] (tmnxL2tpApServStatsRespInvAuth)	long	The value of tmnxL2tpApServStatsRespInvAuth indicates the number of RADIUS response packets with an invalid Authenticator received from this server.
pendingRequestsPackets [Pending Requests Packets] (tmnxL2tpApServStatsReqPending)	long	The value of tmnxL2tpApServStatsReqPending indicates the number of RADIUS requests that are currently pending for this server.
reponsesPackets [Reponses Packets] (tmnxL2tpApServStatsRxResponses)	long	The value of tmnxL2tpApServStatsRxResponses indicates the number of RADIUS response packets received from this server.
requestsPackets [Requests Packets] (tmnxL2tpApServStatsTxRequests)	long	The value of tmnxL2tpApServStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.
statRetries [Stat Retries] (tmnxL2tpApServStatsSendRetries)	long	The value of tmnxL2tpApServStatsSendRetries indicates the number of retries to a different server for a single accounting request for this connection with this RADIUS server.
timeOut [Time Out] (tmnxL2tpApServStatsReqTimeout)	long	The value of tmnxL2tpApServStatsReqTimeout indicates the number of RADIUS requests that have timed out for this server.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadPSStats</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatsRxAcctRequest [Rad PSSStats Rx Acct Request] (tmnxRadPSStatsRxAcctRequest)	long	The value of tmnxRadPSStatsRxAcctRequest indicates the number of Accounting-Request packets received by this RADIUS Proxy Server.
radPSStatsRxAdminDown [Rad PSSStats Rx Admin Down] (tmnxRadPSStatsRxAdminDown)	long	The value of tmnxRadPSStatsRxAdminDown indicates the number of packets received by this RADIUS Proxy Server that were rejected because it is administratively shut down.
radPSStatsRxAuthRequest [Rad PSSStats Rx Auth Request] (tmnxRadPSStatsRxAuthRequest)	long	The value of tmnxRadPSStatsRxAuthRequest indicates the number of Access-Request packets received by this RADIUS Proxy Server.
radPSStatsRxDropped [Rad PSSStats Rx Dropped] (tmnxRadPSStatsRxDropped)	long	The value of tmnxRadPSStatsRxDropped indicates the number of packets received by this RADIUS Proxy Server but dropped.
radPSStatsRxDroppedByPython [Rad PSSStats Rx Dropped By Python] (tmnxRadPSStatsRxDroppedByPython)	long	The value of tmnxRadPSStatsRxDroppedByPython indicates the number of packets received by this RADIUS Proxy Server but dropped by Python.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxInvAcctAuth [Rad PSSStats Rx Inv Acct Auth] (tmnxRadPSStatsRxInvAcctAuth)	long	The value of tmnxRadPSStatsRxInvAcctAuth indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Authenticator field.
radPSStatsRxInvAcctStatusTyp [Rad PSSStats Rx Inv Acct Status Typ] (tmnxRadPSStatsRxInvAcctStatusTyp)	long	The value of tmnxRadPSStatsRxInvAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Acct-Status-Type attribute.
radPSStatsRxInvAttr [Rad PSSStats Rx Inv Attr] (tmnxRadPSStatsRxInvAttr)	long	The value of tmnxRadPSStatsRxInvAttr indicates the number of packets received by this RADIUS Proxy Server that were rejected because one of the attributes was incorrectly encoded.
radPSStatsRxInvCode [Rad PSSStats Rx Inv Code] (tmnxRadPSStatsRxInvCode)	long	The value of tmnxRadPSStatsRxInvCode indicates the number of packets received by this RADIUS Proxy Server that were rejected because they had an invalid Code field.
radPSStatsRxInvLen [Rad PSSStats Rx Inv Len] (tmnxRadPSStatsRxInvLen)	long	The value of tmnxRadPSStatsRxInvLen indicates the number of packets received by this RADIUS Proxy Server that were rejected because their length was invalid.
radPSStatsRxInvMsgAuth [Rad PSSStats Rx Inv Msg Auth] (tmnxRadPSStatsRxInvMsgAuth)	long	The value of tmnxRadPSStatsRxInvMsgAuth indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Message-Authenticator attribute.
radPSStatsRxInvPassword [Rad PSSStats Rx Inv Password] (tmnxRadPSStatsRxInvPassword)	long	The value of tmnxRadPSStatsRxInvPassword indicates the number of packets received by this RADIUS Proxy Server that were rejected because the User-Password attribute could not be decoded.
radPSStatsRxInvUserName [Rad PSSStats Rx Inv User Name] (tmnxRadPSStatsRxInvUserName)	long	The value of tmnxRadPSStatsRxInvUserName indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid User-Name attribute.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxNoAaaPol [Rad PSSStats Rx No Aaa Pol] (tmnxRadPSStatsRxNoAaaPol)	long	The value of tmnxRadPSStatsRxNoAaaPol indicates the number of packets received by this RADIUS Proxy Server that were rejected because it has no RADIUS server policy configured for that type of packet.
radPSStatsRxNoAcctStatusTyp [Rad PSSStats Rx No Acct Status Typ] (tmnxRadPSStatsRxNoAcctStatusTyp)	long	The value of tmnxRadPSStatsRxNoAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained no Acct-Status-Type attribute.
radPSStatsRxNoLoadBKey [Rad PSSStats Rx No Load BKey] (tmnxRadPSStatsRxNoLoadBKey)	long	The value of tmnxRadPSStatsRxNoLoadBKey indicates the number of packets received by this RADIUS Proxy Server that were rejected because the selected RADIUS server policy's algorithm (tmnxRadSrvPlcyAlgorithm) is set to 'hashBased' and no load balance key (tmnxRadProxSrvLoadBalanceKey) is configured.
radPSStatsRxNoMemory [Rad PSSStats Rx No Memory] (tmnxRadPSStatsRxNoMemory)	long	The value of tmnxRadPSStatsRxNoMemory indicates the number of packets that were rejected by this RADIUS server because there was not enough memory to store them.
radPSStatsRxPacket [Rad PSSStats Rx Packet] (tmnxRadPSStatsRxPacket)	long	The value of tmnxRadPSStatsRxPacket indicates the number of packets received by this RADIUS Proxy Server.
radPSStatsRxRetransmit [Rad PSSStats Rx Retransmit] (tmnxRadPSStatsRxRetransmit)	long	The value of tmnxRadPSStatsRxRetransmit indicates the number of packets received by this RADIUS Proxy Server that were rejected because they are retransmitted.
radPSStatsRxUserOverload [Rad PSSStats Rx User Overload] (tmnxRadPSStatsRxUserOverload)	long	The value of tmnxRadPSStatsRxUserOverload indicates the number of packets that were rejected by this RADIUS server because the registered user indicated to be in overload.
radPSStatsTxAcctResponse [Rad PSSStats Tx Acct Response] (tmnxRadPSStatsTxAcctResponse)	long	The value of tmnxRadPSStatsTxAcctResponse indicates the number of Accounting-Response packets transmitted by this RADIUS Proxy Server.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxAuthAck [Rad PSSStats Tx Auth Ack] (tmnxRadPSStatsTxAuthAck)	long	The value of tmnxRadPSStatsTxAuthAck indicates the number of Access-Accept packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthChallenge [Rad PSSStats Tx Auth Challenge] (tmnxRadPSStatsTxAuthChallenge)	long	The value of tmnxRadPSStatsTxAuthChallenge indicates the number of Access-Challenge packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthReject [Rad PSSStats Tx Auth Reject] (tmnxRadPSStatsTxAuthReject)	long	The value of tmnxRadPSStatsTxAuthReject indicates the number of Access-Reject packets transmitted by this RADIUS Proxy Server.
radPSStatsTxCacheAttrTooLong [Rad PSSStats Tx Cache Attr Too Long] (tmnxRadPSStatsTxCacheAttrTooLong)	long	The value of tmnxRadPSStatsTxCacheAttrTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the total length of the attributes is too long.
radPSStatsTxCacheKeyTooLong [Rad PSSStats Tx Cache Key Too Long] (tmnxRadPSStatsTxCacheKeyTooLong)	long	The value of tmnxRadPSStatsTxCacheKeyTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information present in the packet was too long.
radPSStatsTxCacheMaxEntries [Rad PSSStats Tx Cache Max Entries] (tmnxRadPSStatsTxCacheMaxEntries)	long	The value of tmnxRadPSStatsTxCacheMaxEntries indicates the number of packets that could not be cached by this RADIUS Proxy Server because the limit has been reached.
radPSStatsTxCacheNoKey [Rad PSSStats Tx Cache No Key] (tmnxRadPSStatsTxCacheNoKey)	long	The value of tmnxRadPSStatsTxCacheNoKey indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information was not present in the packet.
radPSStatsTxDropped [Rad PSSStats Tx Dropped] (tmnxRadPSStatsTxDropped)	long	The value of tmnxRadPSStatsTxDropped indicates the number of packets dropped by this RADIUS Proxy Server before transmission.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxDroppedByPython [Rad PSSStats Tx Dropped By Python] (tmnxRadPSStatsTxDroppedByPython)	long	The value of tmnxRadPSStatsTxDroppedByPython indicates the number of packets that were dropped by this RADIUS server because the packet was dropped by the Python script.
radPSStatsTxNoMemory [Rad PSSStats Tx No Memory] (tmnxRadPSStatsTxNoMemory)	long	The value of tmnxRadPSStatsTxNoMemory indicates the number of packets that could not be transmitted by this RADIUS Proxy Server because there was not enough memory.
radPSStatsTxNoRadiusServer [Rad PSSStats Tx No Radius Server] (tmnxRadPSStatsTxNoRadiusServer)	long	The value of tmnxRadPSStatsTxNoRadiusServer indicates the number of packets that were dropped by this RADIUS server because the RADIUS server policy has no servers configured.
radPSStatsTxSendFailure [Rad PSSStats Tx Send Failure] (tmnxRadPSStatsTxSendFailure)	long	The value of tmnxRadPSStatsTxSendFailure indicates the number of packets that were dropped by this RADIUS server because the packet could not get transmitted to one of the servers in the RADIUS server policy.
radPSStatsTxServerAuthFail [Rad PSSStats Tx Server Auth Fail] (tmnxRadPSStatsTxServerAuthFail)	long	The value of tmnxRadPSStatsTxServerAuthFail indicates the number of packets that were dropped because the RADIUS server replied with a packet which failed authentication (invalid response Authenticator or Message-Authenticator attribute).
radPSStatsTxServerInvAttr [Rad PSSStats Tx Server Inv Attr] (tmnxRadPSStatsTxServerInvAttr)	long	The value of tmnxRadPSStatsTxServerInvAttr indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid attribute.
radPSStatsTxServerInvCode [Rad PSSStats Tx Server Inv Code] (tmnxRadPSStatsTxServerInvCode)	long	The value of tmnxRadPSStatsTxServerInvCode indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid Code field.
radPSStatsTxServerTimeout [Rad PSSStats Tx Server Timeout] (tmnxRadPSStatsTxServerTimeout)	long	The value of tmnxRadPSStatsTxServerTimeout indicates the number of packets that were dropped because the RADIUS servers have timed out.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxUserOverload [Rad PSSStats Tx User Overload] (tmnxRadPSStatsTxUserOverload)	long	The value of tmnxRadPSStatsTxUserOverload indicates the number of packets that were dropped because the registered user indicated to be in overload.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadPSStatus</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatusCacheEntries [Rad PSSStatus Cache Entries] (tmnxRadPSStatusCacheEntries)	long	The value of tmnxRadPSStatusCacheEntries indicates the number of entries in the cache of this RADIUS Proxy Server.
radPSStatusCacheEntriesReg [Rad PSSStatus Cache Entries Reg] (tmnxRadPSStatusCacheEntriesReg)	long	The value of tmnxRadPSStatusCacheEntriesReg indicates the number of entries in the cache of this RADIUS Proxy Server. Pending entries have a registered application. An example of an application that could register to a cache entry is Subscriber Management of DHCP clients.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadRouteDownloadStats MIB entry name: tmnxRadRDStatsEntry Entry description: Each conceptual row represents statistics about a particular Route Downloader. Rows are created and destroyed automatically by the system. Table description (for tmnxRadRDStatsTable): The tmnxRadRDStatsTable contains statistics about the RADIUS Route Downloaders of this system. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RouteDownloadPolicy</p>		
accessAcceptedPkts [Access Accepted Pkts] (tmnxRadRDStatsRxAccessAccept)	long	The value of tmnxRadRDStatsRxAccessAccept indicates the number of Access-Accept packets received by this Route Downloader.
accessDroppedPkts [Access Dropped Pkts] (tmnxRadRDStatsRxAccessAcceptDrop)	long	The value of tmnxRadRDStatsRxAccessAcceptDrop indicates the number of Access-Accept packets received but dropped by this Route Downloader.
accessRejectedPkts [Access Rejected Pkts] (tmnxRadRDStatsRxAccessReject)	long	The value of tmnxRadRDStatsRxAccessReject indicates the number of Access-Reject packets received by this Route Downloader.
accessRequests [Access Requests] (tmnxRadRDStatsTxAccessRequest)	long	The value of tmnxRadRDStatsTxAccessRequest indicates the number of Access-Requests sent by this Route Downloader.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accessRetries [Access Retries] (tmnxRadRDStatsTxAccessReqRetry)	long	The value of tmnxRadRDStatsTxAccessReqRetry indicates the number of Access-Requests retries for this Route Downloader.
installingFailures [Installing Failures] (tmnxRadRDStatsRtmFailures)	long	The value of tmnxRadRDStatsRtmFailures indicates the number of times installing received routes failed for this Route Downloader.
lastAccessAccept [Last Access Accept] (tmnxRadRDStatsRxLastAccessAccept)	long	The value of tmnxRadRDStatsRxLastAccessAccept indicates when this Route Downloader last received an Access-Accept packet.
lastAccessReject [Last Access Reject] (tmnxRadRDStatsRxLastAccessReject)	long	The value of tmnxRadRDStatsRxLastAccessReject indicates when this Route Downloader last received an Access-Reject packet.
lastAccessRequest [Last Access Request] (tmnxRadRDStatsTxLastAccessReq)	long	The value of tmnxRadRDStatsTxLastAccessReq indicates when this Route Downloader last sent an Access-Request packet.
lastAccessRetry [Last Access Retry] (tmnxRadRDStatsTxLastAccReqRetry)	long	The value of tmnxRadRDStatsTxLastAccReqRetry indicates the time of the last Access-Request retry.
numOfDownloads [Num Of Downloads] (tmnxRadRDStatsDownloads)	long	The value of tmnxRadRDStatsDownloads indicates the number of downloads started by this Route Downloader.
remainingTime [Remaining Time] (tmnxRadRDStatsRemainingDownlTime)	long	The value of tmnxRadRDStatsRemainingDownlTime indicates the remaining time before the next download attempt.
retryTime [Retry Time] (tmnxRadRDStatsRemainingRetryTime)	long	The value of tmnxRadRDStatsRemainingRetryTime indicates the remaining time before the next download retry.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routesReceived [Routes Received] (tmnxRadRDStatsRoutesReceived)	long	The value of tmnxRadRDStatsRoutesReceived indicates the number of routes received in the last completed route download process.
<p>RadSrvPlcyMsgBufStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusServerPolicy</p>		
bufMsgPlcyName [Buf Msg Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
lastBufClean [Last Buf Clean] (tmnxRadSrvPlcyLastBufClean)	long	The value of tmnxRadSrvPlcyLastBufClean indicates the sysUpTime at the time of the most recent reset (empty) of the message buffer.
lastBufStatsClean [Last Buf Stats Clean] (tmnxRadSrvPlcyLastBufStatsClean)	long	The value of tmnxRadSrvPlcyLastBufStatsClean indicates the sysUpTime at the time of the most recent reset of the message buffer statistics.
nbrAcctInterimBuf [Nbr Acct Interim Buf] (tmnxRadSrvPlcyNbrAcctInterimBuf)	long	The value of tmnxRadSrvPlcyNbrAcctInterimBuf indicates the number of RADIUS accounting interim update messages that are currently buffered for this radius server policy.
nbrAcctInterimDrop [Nbr Acct Interim Drop] (tmnxRadSrvPlcyNbrAcctInterimDrop)	long	The value of tmnxRadSrvPlcyNbrAcctInterimDrop indicates the number of RADIUS accounting interim update messages that were dropped from the buffer because their lifetime expired.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nbrAcctStopBuf [Nbr Acct Stop Buf] (tmnxRadSrvPlcyNbrAcctStopBuf)	long	The value of tmnxRadSrvPlcyNbrAcctStopBuf indicates the number of RADIUS accounting stop messages that are currently buffered for this radius server policy.
nbrAcctStopDrop [Nbr Acct Stop Drop] (tmnxRadSrvPlcyNbrAcctStopDrop)	long	The value of tmnxRadSrvPlcyNbrAcctStopDrop indicates the number of RADIUS accounting stop messages that were dropped from the buffer because their lifetime expired.
<p>RadSrvPlcyStats MIB entry name: tmnxRadSrvPlcyEntry Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus. Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RadiusServerPolicy</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvPlcyStatsAcctFailed [Rad Srv Plcy Stats Acct Failed] (tmnxRadSrvPlcyStatsAcctFailed)	long	The value of tmnxRadSrvPlcyStatsAcctFailed indicates the number of accounting failures for this policy.
radSrvPlcyStatsAuthFailed [Rad Srv Plcy Stats Auth Failed] (tmnxRadSrvPlcyStatsAuthFailed)	long	The value of tmnxRadSrvPlcyStatsAuthFailed indicates the number of authentication failures for this policy.
radSrvPlcyStatsRatioFailure [Rad Srv Plcy Stats Ratio Failure] (tmnxRadSrvPlcyStatsFailureRatio)	int	The value of tmnxRadSrvPlcyStatsFailureRatio indicates the transaction failure ratio for this policy.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvPlcyStatsRatioReject [Rad Srv Plcy Stats Ratio Reject] (tmnxRadSrvPlcyStatsRejectRatio)	int	The value of tmnxRadSrvPlcyStatsRejectRatio indicates the ratio of access-rejects in the auth responses for this policy.
radSrvPlcyStatsRatioSuccess [Rad Srv Plcy Stats Ratio Success] (tmnxRadSrvPlcyStatsSuccessRatio)	int	The value of tmnxRadSrvPlcyStatsSuccessRatio indicates the transaction success ratio for this policy.
radSrvPlcyStatsReqRejected [Rad Srv Plcy Stats Req Rejected] (tmnxRadSrvPlcyStatsReqRejected)	long	The value of tmnxRadSrvPlcyStatsReqRejected indicates the number of RADIUS transaction requests that were not transmitted due to unacceptable configuration.
radSrvPlcyStatsReqSendFail [Rad Srv Plcy Stats Req Send Fail] (tmnxRadSrvPlcyStatsReqSendFail)	long	The value of tmnxRadSrvPlcyStatsReqSendFail indicates the number of RADIUS transaction requests that could not be transmitted.
radSrvPlcyStatsReqSendRetry [Rad Srv Plcy Stats Req Send Retry] (tmnxRadSrvPlcyStatsReqSendRetry)	long	The value of tmnxRadSrvPlcyStatsReqSendRetry indicates the number of times a RADIUS request packet was retransmitted to a server.
radSrvPlcyStatsReqTimeout [Rad Srv Plcy Stats Req Timeout] (tmnxRadSrvPlcyStatsReqTimeout)	long	The value of tmnxRadSrvPlcyStatsReqTimeout indicates the number of RADIUS transaction requests that have timed out.
radSrvPlcyStatsRxResponses [Rad Srv Plcy Stats Rx Responses] (tmnxRadSrvPlcyStatsRxResponses)	long	The value of tmnxRadSrvPlcyStatsRxResponses indicates the number of RADIUS transaction responses received.
radSrvPlcyStatsTxRequests [Rad Srv Plcy Stats Tx Requests] (tmnxRadSrvPlcyStatsTxRequests)	long	The value of tmnxRadSrvPlcyStatsTxRequests indicates the number of RADIUS transaction requests transmitted.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadSrvStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.ServerEntry</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvStatsAcctAvgDelay10 [Rad Srv Stats Acct Avg Delay 10] (tmnxRadSrvStatsAcctAvgDelay10)	long	The value of tmnxRadSrvStatsAcctAvgDelay10 indicates in microseconds, the average response delay for the last 10 accounting packets.
radSrvStatsAcctAvgDelay100 [Rad Srv Stats Acct Avg Delay 100] (tmnxRadSrvStatsAcctAvgDelay100)	long	The value of tmnxRadSrvStatsAcctAvgDelay100 indicates in microseconds, the average response delay for the last 100 accounting packets.
radSrvStatsAcctAvgDelay1000 [Rad Srv Stats Acct Avg Delay 1000] (tmnxRadSrvStatsAcctAvgDelay1000)	long	The value of tmnxRadSrvStatsAcctAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 accounting packets.
radSrvStatsAcctAvgDelay10000 [Rad Srv Stats Acct Avg Delay 10000] (tmnxRadSrvStatsAcctAvgDelay10000)	long	The value of tmnxRadSrvStatsAcctAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 accounting packets.
radSrvStatsAuthAvgDelay10 [Rad Srv Stats Auth Avg Delay 10] (tmnxRadSrvStatsAuthAvgDelay10)	long	The value of tmnxRadSrvStatsAuthAvgDelay10 indicates in microseconds, the average response delay for the last 10 authentication packets.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsAuthAvgDelay100 [Rad Srv Stats Auth Avg Delay 100] (tmnxRadSrvStatsAuthAvgDelay100)	long	The value of tmnxRadSrvStatsAuthAvgDelay100 indicates in microseconds, the average response delay for the last 100 authentication packets.
radSrvStatsAuthAvgDelay1000 [Rad Srv Stats Auth Avg Delay 1000] (tmnxRadSrvStatsAuthAvgDelay1000)	long	The value of tmnxRadSrvStatsAuthAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 authentication packets.
radSrvStatsAuthAvgDelay10000 [Rad Srv Stats Auth Avg Delay 10000] (tmnxRadSrvStatsAuthAvgDelay10000)	long	The value of tmnxRadSrvStatsAuthAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 authentication packets.
radSrvStatsFailedAcct [Rad Srv Stats Failed Acct] (tmnxRadSrvStatsAcctFailed)	long	The value of tmnxRadSrvStatsAcctFailed indicates the number of accounting failures for this server.
radSrvStatsFailedAuth [Rad Srv Stats Failed Auth] (tmnxRadSrvStatsAuthFailed)	long	The value of tmnxRadSrvStatsAuthFailed indicates the number of authentication failures for this server.
radSrvStatsReqOvrlSendFail [Rad Srv Stats Req Ovr Id Send Fail] (tmnxRadSrvStatsReqOvrlSendFail)	long	The value of tmnxRadSrvStatsReqOvrlSendFail indicates the number of RADIUS request packets that could not be transmitted while the RADIUS server was in overload.
radSrvStatsReqPending [Rad Srv Stats Req Pending] (tmnxRadSrvStatsReqPending)	long	The value of tmnxRadSrvStatsReqPending indicates the number of RADIUS request packets that are currently waiting for reply from this server.
radSrvStatsReqSendFailure [Rad Srv Stats Req Send Failure] (tmnxRadSrvStatsReqSendFailure)	long	The value of tmnxRadSrvStatsReqSendFailure indicates the number of RADIUS request packets that could not be transmitted for this server.
radSrvStatsReqTimeout [Rad Srv Stats Req Timeout] (tmnxRadSrvStatsReqTimeout)	long	The value of tmnxRadSrvStatsReqTimeout indicates the number of RADIUS request packets that have timed out for this server.

Table 238 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsRespInvAuth [Rad Srv Stats Resp Inv Auth] (tmnxRadSrvStatsRespInvAuth)	long	The value of tmnxRadSrvStatsRespInvAuth indicates the number of RADIUS response packets with an invalid Authenticator received from this server.
radSrvStatsRespInvMsgAuth [Rad Srv Stats Resp Inv Msg Auth] (tmnxRadSrvStatsRespInvMsgAuth)	long	The value of tmnxRadSrvStatsRespInvMsgAuth indicates the number of RADIUS response packets with an invalid Message-Authenticator attribute received from this server.
radSrvStatsRxResponses [Rad Srv Stats Rx Responses] (tmnxRadSrvStatsRxResponses)	long	The value of tmnxRadSrvStatsRxResponses indicates the number of RADIUS response packets received from this server.
radSrvStatsTxRequests [Rad Srv Stats Tx Requests] (tmnxRadSrvStatsTxRequests)	long	The value of tmnxRadSrvStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.

Table 239 aapolicy statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AAIcapServerStats</p> <p>MIB entry name: tmnxBsxIcapServerStatsEntry</p> <p>Entry description: Each entry represents the statistics for a particular AA URL filter and ICAP server. An index with a valid ICAP server (an existing row in tmnxBsxIcapServerTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the following per group, URL Filter and ICAP server: * the summarized statistics, and * the worst case values for tmnxBsxIcapServerStatsRoundTrip and tmnxBsxIcapServerStatsConnUtil Entries will appears in this table only for equipped ISA-AA MDAs associated with an AA group, URL filter and ICAP server.</p> <p>Table description (for tmnxBsxIcapServerStatsTable): The tmnxBsxIcapServerStatsTable contains operational information related to a particular ICAP server associated with a particular URL filter. Each row contains the status and performance-oriented statistics information per group, URL filter and ICAP server for an ISA-AA uniquely identified by the tmnxChassisIndex, tmnxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AAIcapServer</p>		
connEstCount [Conn Est Count] (tmnxBsxIcapServerStatsConnEst)	long	The value of tmnxBsxIcapServerStatsConnEst indicates the current number of TCP connections which are established with the ICAP server.
connTotalCount [Conn Total Count] (tmnxBsxIcapServerStatsConnTotal)	long	The value of tmnxBsxIcapServerStatsConnTotal indicates the number of TCP connections which can be established with the ICAP server.
connUtilCount [Conn Util Count] (tmnxBsxIcapServerStatsConnUtil)	long	The value of tmnxBsxIcapServerStatsConnUtil indicates the percentage of TCP connections utilized over the last 10 second period.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
reqErrorsCount [Req Errors Count] (tmnxBsxlcapServerStatsReqErrors)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsReqErrors indicates the number of ICAP requests that were unable to be sent to the ICAP server.
reqRateCount [Req Rate Count] (tmnxBsxlcapServerStatsReqRate)	long	The value of tmnxBsxlcapServerStatsReqRate indicates the average number of ICAP requests sent per second over the last 10 second period.
requestsCount [Requests Count] (tmnxBsxlcapServerStatsRequests)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRequests indicates the number of ICAP requests which have been sent to this ICAP server.
respAllowCount [Resp Allow Count] (tmnxBsxlcapServerStatsRespAllow)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespAllow indicates the number of ICAP allow responses which have been received from the ICAP server.
respBlockCount [Resp Block Count] (tmnxBsxlcapServerStatsRespBlock)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespBlock indicates the number of ICAP block responses which have been received from the ICAP server.
respRedirCount [Resp Redir Count] (tmnxBsxlcapServerStatsRespRedir)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespRedir indicates the number of ICAP redirect responses which have been received from the ICAP server.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
roundTripCount [Round Trip Count] (tmnxBsxIcapServerStatsRoundTrip)	long	The value of tmnxBsxIcapServerStatsRoundTrip indicates the average amount of time it took to receive ICAP Responses over the last 10 second period.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
<p>AAUrlFilterStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AAUrlFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
httpReqErrorsCount [Http Req Errors Count] (tmnxBsxUrIFltrStatsHttpReqErrors)	java. math. BigInteger	The value of tmnxBsxUrIFltrStatsHttpReqErrors indicates the number of times the HTTP request that were unable to be sent to the ICAP server.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
httpRequestsCount [Http Requests Count] (tmnxBsxUrlFiltrStatsHttpRequests)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRequests indicates the number of HTTP requests received.
httpRespAllowCount [Http Resp Allow Count] (tmnxBsxUrlFiltrStatsHttpRespAllow)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespAllow indicates the number of times the HTTP response has been allowed.
httpRespBlockCount [Http Resp Block Count] (tmnxBsxUrlFiltrStatsHttpRespBlock)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespBlock indicates the number of times the HTTP response has been blocked.
httpRespDefCount [Http Resp Def Count] (tmnxBsxUrlFiltrStatsHttpRespDef)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespDef indicates the number of times the tmnxBsxUrlFilterDefaultAction has been taken on the HTTP response.
httpRespRedirCount [Http Resp Redir Count] (tmnxBsxUrlFiltrStatsHttpRespRedir)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespRedir indicates the number of times the HTTP response has been redirected.
icapLateRespCount [Icap Late Resp Count] (tmnxBsxUrlFiltrStatsIcapLateResp)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsIcapLateResp indicates the number of times the HTTP response was received prior to the ICAP response.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAARadiusAccountingPolicyStats</p> <p>MIB entry name: tmnxBsxRadApStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an AA RADIUS accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxBsxRadApStatTable): The tmnxBsxRadApStatTable presents statistics of AA RADIUS accounting policies.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AARadiusAccountingPolicy</p>		
reqSendFail [Req Send Fail] (tmnxBsxRadApSendFail)	long	The value of tmnxBsxRadApSendFail indicates how many RADIUS accounting requests failed because the packet could not be sent.
reqTimeouts [Req Timeouts] (tmnxBsxRadApReqTimeouts)	long	The value of tmnxBsxRadApReqTimeouts indicates the number of RADIUS accounting requests which have timed out for this policy.
rxResponses [Rx Responses] (tmnxBsxRadApRxResponses)	long	The value of tmnxBsxRadApRxResponses indicates the number of RADIUS accounting responses received for this policy.
sendRetries [Send Retries] (tmnxBsxRadApSendRetries)	long	The value of tmnxBsxRadApSendRetries indicates the number of retries to a different server for a single RADIUS accounting request for this policy.
txRequests [Tx Requests] (tmnxBsxRadApTxRequests)	long	The value of tmnxBsxRadApTxRequests indicates the number of RADIUS accounting requests transmitted for this policy.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAARadiusAccountingServerStats</p> <p>MIB entry name: tmnxBsxRadApServStatEntry</p> <p>Entry description: Each row represents statistics about a specific server for a specific AA RADIUS accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxBsxRadApServStatTable): The tmnxBsxRadApServStatTable presents statistics of AA RADIUS accounting policy servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AARadiusAccountingServer</p>		
reqSendFail [Req Send Fail] (tmnxBsxRadApServReqSendFail)	long	The value of tmnxBsxRadApServReqSendFail indicates the number of RADIUS accounting requests that failed because the packet could not be sent.
reqTimeouts [Req Timeouts] (tmnxBsxRadApServReqTimeouts)	long	The value of tmnxBsxRadApServReqTimeouts indicates the number of RADIUS accounting requests that have timed out for this server.
rxResponses [Rx Responses] (tmnxBsxRadApServRxResponses)	long	The value of tmnxBsxRadApServRxResponses indicates the number of RADIUS accounting responses received for this server.
txRequests [Tx Requests] (tmnxBsxRadApServTxRequests)	long	The value of tmnxBsxRadApServTxRequests indicates the number of RADIUS accounting requests transmitted for this server.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAaAccountingStats</p> <p>MIB entry name: tmnxBsxStatAaEntry</p> <p>Entry description: Each tmnxBsxStatAaEntry contains the statistics for a particular group, partition, statistics type and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaTable): The tmnxBsxStatAaTable contains an entry for each system wide statistics type and statistics name per group and partition.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.Application • aapolicy.ApplicationGroup • isa.AaGroup • isa.AaPartition 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAaAppFilterStats</p> <p>MIB entry name: tmnxBsxStatAaAppFilterEntry</p> <p>Entry description: Each tmnxBsxStatAaAppFilterEntry row contains statistics for a specific filter entry.</p> <p>Table description (for tmnxBsxStatAaAppFilterTable): The tmnxBsxStatAaAppFilterTable contains statistics for application filters as defined in the tmnxBsxAppFilterTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.ApplicationFilter</p>		
flows [Flows] (tmnxBsxStatAaAppFilterHCFloWS)	java. math. BigInteger	The value of tmnxBsxStatAaAppFilterHCFloWS indicates the number of flows that have matched this entry.
octets [Octets] (tmnxBsxStatAaAppFilterFlowHCOctC)	java. math. BigInteger	The value of tmnxBsxStatAaAppFilterFlowHCOctC indicates the number of octets in the flows that have matched this entry.
<p>BsxAaEsmHostCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxAaEsmHostCustRecAppGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
esmMacName [Esm Mac Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxlsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxlsaAaGrpTable.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAaEsmHostCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxAaEsmHostCustRecAppUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
esmMacName [Esm Mac Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAaEsmHostCustRecChargingGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
chargingGroupName [Charging Group Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
esmMacName [Esm Mac Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAaEsmHostCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxAaEsmHostSpecialStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAaEsmHostSpecialStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAaSubAccountingStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • service.AccessInterface 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAaSubUsageMonitoringStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.ApplicationGroup</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFIwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFIwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFIwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFIwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.
<p>BsxAppQosPolicyStats MIB entry name: tmnxBsxAqpStatsEntry Entry description: Each tmnxBsxAqpStatsEntry indicates statistics available to collect for each application QoS policy entry. Table description (for tmnxBsxAqpStatsTable): The tmnxBsxAqpStatsTable contains the application qos policy statistics. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AppQosPolicy</p>		
hcConflicts [Hc Conflicts] (tmnxBsxAqpStatsHCCConflicts)	java. math. BigInteger	The value of tmnxBsxAqpStatsHCCConflicts indicates the number of flows that have hit this AQP entry, but resulted in a conflict with the match criteria.
hcFlows [Hc Flows] (tmnxBsxAqpStatsHCFlows)	java. math. BigInteger	The value of tmnxBsxAqpStatsHCFlows indicates the number of flows that have hit this entry. In certain cases, a flow may change its attributes thus undergoing a second policy evaluation. In these cases, the flow may be counted against two different AQP entries.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.Application</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxCustProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.CustomProtocol</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxDnsIpCacheStats</p> <p>MIB entry name: tmnxBsxDnsIpCacheStatEntry</p> <p>Entry description: Each tmnxBsxDnsIpCacheStatEntry specifies Application Assurance DNS IP Cache statistics. An index with a valid DNS IP Cache (an existing row in tmnxBsxDnsIpCacheTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and DNS IP Cache.</p> <p>Table description (for tmnxBsxDnsIpCacheStatTable): The tmnxBsxDnsIpCacheStatTable contains an entry for each configured Application Assurance DNS IP Cache. Rows in this table are automatically created and destroyed when DNS IP Caches are created or destroyed using the tmnxBsxDnsIpCacheTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.DnsIpCache</p>		
alarmClear [Alarm Clear] (tmnxBsxDnsIpCacheStatAlarmClear)	boolean	The value of tmnxBsxDnsIpCacheStatAlarmClear indicates the state of the threshold alarm for this cache. A value of 'true (1)' indicates the alarm is clear, and a value of 'false (2)' indicates the alarm is set.
disconnectTime [Disconnect Time] (tmnxBsxDnsIpCacheStatDiscntTime)	long	The value of tmnxBsxDnsIpCacheStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
domainsMatch [Domains Match] (tmnxBsxDnsIpCacheStatDomMtch)	java.math. BigInteger	The value of tmnxBsxDnsIpCacheStatDomMtch indicates the number of DNS response domains that have matched an entry in the tmnxBsxDnsIpCacheDomainTable associated with this cache.
entriesAdd [Entries Add] (tmnxBsxDnsIpCacheStatEntrAdd)	java.math. BigInteger	The value of tmnxBsxDnsIpCacheStatEntrAdd indicates the total number of entries that have been added to this cache.
entriesRemove [Entries Remove] (tmnxBsxDnsIpCacheStatEntrRmvd)	java.math. BigInteger	The value of tmnxBsxDnsIpCacheStatEntrRmvd indicates the total number of entries that have been removed from this cache.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fullCount [Full Count] (tmnxBsxDnsIpCacheStatFullCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatFullCnt indicates the number of times an entry could not be added because the cache was full.
hitCount [Hit Count] (tmnxBsxDnsIpCacheStatHitCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatHitCnt indicates the number of times an IP address lookup in this cache was successful.
missCount [Miss Count] (tmnxBsxDnsIpCacheStatMissCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatMissCnt indicates the number of times an IP address lookup in this cache was unsuccessful.
responsesCount [Responses Count] (tmnxBsxDnsIpCacheStatDnsResp)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatDnsResp indicates the number of DNS responses that have been compared to the entries in the tmnxBsxDnsIpCacheDomainTable and the tmnxBsxDnsIpCacheServerTable associated with this cache.
serversMatch [Servers Match] (tmnxBsxDnsIpCacheStatDomSerMtch)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatDomSerMtch indicates the number of DNS responses whose domain matched an entry in the tmnxBsxDnsIpCacheDomainTable and server IP address matched an entry in the tmnxBsxDnsIpCacheServerTable associated with this cache.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxGtpFltrStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.GtpFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
discntTime [Discnt Time] (tmnxBsxGtpFltrStatsDiscntTime)	long	The value of tmnxBsxGtpFltrStatsDiscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group last changed status.
pkDndExtHdr [Pk Dnd Ext Hdr] (tmnxBsxGtpFltrStatsPkDndExtHdr)	java. math. BigInteger	The value of tmnxBsxGtpFltrStatsPkDndExtHdr indicates the number of packets denied by the GTP filter due to a missing extension header.
pkDndInfoElem [Pk Dnd Info Elem] (tmnxBsxGtpFltrStatsPkDndInfoElem)	java. math. BigInteger	The value of tmnxBsxGtpFltrStatsPkDndInfoElem indicates the number of packets denied by the GTP filter due to a missing, invalid, or malformed information element.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pkDndMandHdr [Pk Dnd Mand Hdr] (tmnxBsxGtpFiltrStatsPkDndMandHdr)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndMandHdr indicates the number of packets denied by the GTP filter due to a missing mandatory header.
pkDndMsgType [Pk Dnd Msg Type] (tmnxBsxGtpFiltrStatsPkDndMsgType)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndMsgType indicates the number of packets denied by the GTP filter due to message ID configuration in tmnxBsxGtpFiltrMsgTable.
pkDndPaydLen [Pk Dnd Payld Len] (tmnxBsxGtpFiltrStatsPkDndPayldLen)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndPayldLen indicates the number of packets denied by the GTP filter due to the corresponding tmnxBsxGtpFiltrMaxPayloadLength in tmnxBsxGtpFiltrTable.
pkPermitted [Pk Permitted] (tmnxBsxGtpFiltrStatsPkPermitted)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkPermitted indicates the number of packets permitted through the GTP filter.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxGtpStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
discntTime [Discnt Time] (tmnxBsxGtpStatsDiscntTime)	long	The value of tmnxBsxGtpStatsDiscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group last changed status.
pkDndFIPlcrFmSb [Pk Dnd FI Plcr Fm Sb] (tmnxBsxGtpStatsPkDndFIPlcrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndFIPlcrFmSb indicates the number of packets denied in the subscriber to network direction by the policer flow-count limit due to the configuration of tmnxBsxPolicerGtpFlowCountLmt in tmnxBsxPolicerTable.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pkDndGtpFltrFmSb [Pk Dnd Gtp Fltr Fm Sb] (tmnxBsxGtpStatsPkDndGtpFltrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpFltrFmSb indicates the number of packets denied in the subscriber to network direction due to GTP filter configuration in tmnxBsxGtpFltrTable.
pkDndGtpFltrToSb [Pk Dnd Gtp Fltr To Sb] (tmnxBsxGtpStatsPkDndGtpFltrToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpFltrToSb indicates the number of packets denied in the network to subscriber direction by the policer flow-count limit due to the configuration of tmnxBsxPolicerGtpFlowCountLmt in tmnxBsxPolicerTable.
pkDndGtpLenFmSb [Pk Dnd Gtp Len Fm Sb] (tmnxBsxGtpStatsPkDndGtpLenFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpLenFmSb indicates the number of GTP packets denied in the subscriber to network direction due to improper GTP message length.
pkDndGtpLenToSb [Pk Dnd Gtp Len To Sb] (tmnxBsxGtpStatsPkDndGtpLenToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpLenToSb indicates the number of GTP packets denied in the network to subscriber direction due to improper GTP message length.
pkDndGtpVerFmSb [Pk Dnd Gtp Ver Fm Sb] (tmnxBsxGtpStatsPkDndGtpVerFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpVerFmSb indicates the number of GTP packets denied in the subscriber to network direction due to unsupported GTP version.
pkDndGtpVerToSb [Pk Dnd Gtp Ver To Sb] (tmnxBsxGtpStatsPkDndGtpVerToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpVerToSb indicates the number of packets denied in the network to subscriber direction due to GTP filter configuration in tmnxBsxGtpFltrTable.
pkDndPlcyOthrFmSb [Pk Dnd Plcy Othr Fm Sb] (tmnxBsxGtpStatsPkDndPlcyOthrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndPlcyOthrFmSb indicates the number of packets denied in the subscriber to network direction due to non gtp-traffic policers, session filters, or flow resource exhaustion.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pkDndPlcyOthrToSb [Pk Dnd Plcy Othr To Sb] (tmnxBsxGtpStatsPkDndPlcyOthrToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndPlcyOthrToSb indicates the number of packets denied in the network to subscriber direction due to non gtp-traffic policers, session filters, or flow resource exhaustion.
pkDndUdpLenFmSb [Pk Dnd Udp Len Fm Sb] (tmnxBsxGtpStatsPkDndUdpLenFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndUdpLenFmSb indicates the number of GTP packets denied in the subscriber to network direction due to improper UDP packet length.
pkDndUdpLenToSb [Pk Dnd Udp Len To Sb] (tmnxBsxGtpStatsPkDndUdpLenToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndUdpLenToSb indicates the number of GTP packets denied in the network to subscriber direction due to improper UDP packet length.
pkPermittedFmSb [Pk Permitted Fm Sb] (tmnxBsxGtpStatsPkPermittedFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPermittedFmSb indicates the number of GTP packets permitted in the subscriber to network direction.
pkPermittedToSb [Pk Permitted To Sb] (tmnxBsxGtpStatsPkPermittedToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPermittedToSb indicates the number of GTP packets permitted in the network to subscriber direction.
pkPrmtNoFiltrFmSb [Pk Prmt No Filtr Fm Sb] (tmnxBsxGtpStatsPkPrmtNoFiltrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPrmtNoFiltrFmSb indicates the number of GTP packets permitted in the subscriber to network direction which were not subject to a GTP filter. This value is a subset of tmnxBsxGtpStatsPkPermittedFmSb.
pkPrmtNoFiltrToSb [Pk Prmt No Filtr To Sb] (tmnxBsxGtpStatsPkPrmtNoFiltrToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPrmtNoFiltrToSb indicates the number of GTP packets permitted in the network to subscriber direction which were not subject to a GTP filter. This value is a subset of tmnxBsxGtpStatsPkPermittedToSb.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxHttpEnrichStats</p> <p>MIB entry name: tmnxBsxHttpEnrichStatEntry</p> <p>Entry description: Each tmnxBsxHttpEnrichStatEntry contains statistics for HTTP enrichment. An index with a valid tmnxBsxAaGrpPartIndex/tmnxBsxHttpEnrichName (an existing row in tmnxBsxHttpEnrichTable), tmnxChassisIndex set to one, and a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized per group and HTTP enrichment template statistics. Entries will appear in this table only for equipped ISA-AA MDAs associated with an AA group and an HTTP enrichment template.</p> <p>Table description (for tmnxBsxHttpEnrichStatTable): The tmnxBsxHttpEnrichStatTable contains statistics for HTTP enrichment. Each row contains the performance-oriented statistics information per group and HTTP enrichment template for an ISA-AA uniquely identified by the tmnxChassisIndex, tmnxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
antiSpoofMod [Anti Spoof Mod] (tmnxBsxHttpEnrichAntiSpoofMod)	java. math. BigInteger	The value of tmnxBsxHttpEnrichAntiSpoofMod indicates the number of HTTP header modifications that have been made for anti-spoofing. A value of 0 is returned if the value of tmnxBsxHttpEnrichFieldAntiSpoof is disabled.
antiSpoofShort [Anti Spoof Short] (tmnxBsxHttpEnrichNoAntiSpfShort)	java. math. BigInteger	The value of tmnxBsxHttpEnrichNoAntiSpfShort indicates the number of HTTP header modifications that were not made for anti-spoofing due to an HTTP header field value being short enough to result in a packet size increase if anti-spoofing were applied. A value of 0 is returned if the value of tmnxBsxHttpEnrichFieldAntiSpoof is disabled.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
disconnectTime [Disconnect Time] (tmnxBsxHttpEnrichStatDiscontTime)	long	The value of tmnxBsxHttpEnrichStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
maxPacket [Max Packet] (tmnxBsxHttpEnrichHCExceedMaxPkt)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCExceedMaxPkt indicates the number of HTTP requests not enriched due to the packet size being greater than the maximum HTTP enrichment packet size specified in tmnxBsxIsaAaGrpHttpEnrichMaxPkt.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
msgCount [Msg Count] (tmnxBsxHttpEnrichHCNumEnriched)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCNumEnriched indicates the number of enriched requests.
noSubData [No Sub Data] (tmnxBsxHttpEnrichHCMissngSubData)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCMissngSubData indicates the number of HTTP requests not enriched due to missing subscriber data.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpEnrichHCNumNoResource)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCNumNoResource indicates the number of HTTP requests not enriched due to resource issues.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateDisabled [Template Disabled] (tmnxBsxHttpEnrichHCTpINotEnabled)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCTpINotEnabled indicates the number of HTTP requests not enriched due to the template not being enabled.
trafficChar [Traffic Char] (tmnxBsxHttpEnrichHCTrafficChar)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCTrafficChar indicates the number of HTTP requests not enriched due to traffic characteristics.
<p>BsxHttpErrorRedirectStats MIB entry name: tmnxBsxGrpMdaEntry Entry description: Each tmnxBsxGrpMdaEntry indicates a ISA-AA MDA is associated to a tmnxBsxIsaAaGrpEntry. Table description (for tmnxBsxGrpMdaTable): The tmnxBsxGrpMdaTable contains an entry for each ISA-AA MDA configured within a group. This table is populated when an MDA is configured with an MDA type of ISA-AA, and associated with an ISA-AA group. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AppQosPolicy</p>		
cardSlotNum [Card Slot Num] (tmnxBsxCardSlotNum)	long	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
disconnectTime [Disconnect Time] (tmnxBsxHttpRdStatDiscontTime)	long	The value of tmnxBsxHttpRdStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorCode [Error Code] (tmnxBsxHttpRedirErrCode)	long	The value of tmnxBsxHttpRedirErrCode specifies the error code for a HTTP Error Redirect. Error codes are defined in the tmnxBsxTListAttribTable in rows where the index tmnxBsxTListName has a value of 'http-error-redirect-error-code' and the index tmnxBsxTListAttribName has a value of 'code'.
errorCount [Error Count] (tmnxBsxHttpRdStatHCNotRedir)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCNotRedir indicates the number of message redirects that did not occur due to errors.
fileTypeCount [File Type Count] (tmnxBsxHttpRdStatHCNotRedirFType)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCNotRedirFType indicates the number of message redirects that did not occur due to the file type.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
httpErrRedirName [Http Err Redir Name] (tmnxBsxHttpRedirErrName)	String	The value of tmnxBsxHttpRedirErrName specifies the name of the HTTP Error Redirect.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
msgCount [Msg Count] (tmnxBsxHttpRdStatHCRedir)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCRedir indicates the number of redirected messages.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpRdStatHCOutOfResource)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCOutOfResource indicates the number of message redirects that did not occur due to lack of resources.
sizeExceededCount [Size Exceeded Count] (tmnxBsxHttpRdStatHCSizeExceeded)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCSizeExceeded indicates the number of messages that have exceeded the custom message size associated with the error code.
<p>BsxHttpRedirectStats</p> <p>MIB entry name: tmnxBsxGrpMdaEntry</p> <p>Entry description: Each tmnxBsxGrpMdaEntry indicates a ISA-AA MDA is associated to a tmnxBsxIsaAaGrpEntry.</p> <p>Table description (for tmnxBsxGrpMdaTable): The tmnxBsxGrpMdaTable contains an entry for each ISA-AA MDA configured within a group. This table is populated when an MDA is configured with an MDA type of ISA-AA, and associated with an ISA-AA group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
cardSlotNum [Card Slot Num] (tmnxBsxCardSlotNum)	long	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
disconnectTime [Disconnect Time] (tmnxBsxHttpPcyRdStatDiscontTime)	long	The value of tmnxBsxHttpPcyRdStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
errorCount [Error Count] (tmnxBsxHttpPcyRdStatHCNotRedir)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCNotRedir indicates the number of sessions that were not redirected due to traffic attributes.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
httpRedirName [Http Redir Name] (tmnxBsxHttpRedirName)	String	The value of tmnxBsxHttpRedirName specifies the name of the HTTP Redirect.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
msgCount [Msg Count] (tmnxBsxHttpPcyRdStatHCRedir)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCRedir indicates the number of redirected sessions.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpPcyRdStatHCOutOfRes)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCOutOfRes indicates the number of sessions that were not redirected due to lack of resources.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcyRdStatConfigError [Pcy Rd Stat Config Error] (tmnxBsxHttpPcyRdStatConfigError)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatConfigError indicates the number of sessions that were not redirected due to configuration errors.
tcpClientResetCount [Tcp Client Reset Count] (tmnxBsxHttpPcyRdStatTcpResets)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatTcpResets indicates the number of TCP client resets that have been sent.
<p>BsxProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.
<p>BsxSapCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSapStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSctpFiltrStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.SctpFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discntTime [Discnt Time] (tmnxBsxSctpFltrStatsDiscntTime)	long	The value of tmnxBsxSctpFltrStatsDiscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group last changed status.
pkDndMalfd [Pk Dnd Malfd] (tmnxBsxSctpFltrStatsPkDndMalfd)	java. math. BigInteger	The value of tmnxBsxSctpFltrStatsPkDndMalfd indicates the number of packets denied by the SCTP filter due to the packet being malformed.
pkDndPpidOOR [Pk Dnd Ppid OOR] (tmnxBsxSctpFltrStatsPkDndPpidOOR)	java. math. BigInteger	The value of tmnxBsxSctpFltrStatsPkDndPpidOOR indicates the number of packets denied by the SCTP filter due to PPID being out of range of the corresponding tmnxBsxSctpFltrPpidRangeMin/ tmnxBsxSctpFltrPpidRangeMax in tmnxBsxSctpFltrTable.
pkDndPpidVal [Pk Dnd Ppid Val] (tmnxBsxSctpFltrStatsPkDndPpidVal)	java. math. BigInteger	The value of tmnxBsxSctpFltrStatsPkDndPpidVal indicates the number of packets denied by the SCTP filter due to PPID value configuration in tmnxBsxSctpFltrPpidTable.
pkPermitted [Pk Permitted] (tmnxBsxSctpFltrStatsPkPermitted)	java. math. BigInteger	The value of tmnxBsxSctpFltrStatsPkPermitted indicates the number of packets permitted through the SCTP filter.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSessionFilterStats</p> <p>MIB entry name: tmnxBsxSessFltrStatsEntry</p> <p>Entry description: Each tmnxBsxSessFltrStatsEntry indicates statistics available for each application assurance session filter match entry.</p> <p>Table description (for tmnxBsxSessFltrStatsTable): The tmnxBsxSessFltrStatsTable contains the application assurance session filter statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AASessionFilterParams</p>		
flowsCount [Flows Count] (tmnxBsxSessFltrStatsFlows)	java. math. BigInteger	The value of tmnxBsxSessFltrStatsFlows indicates the number of flows that have hit this entry.
<p>BsxTcaFtrEnStats</p> <p>MIB entry name: tmnxBsxTcaFtrEnStatsEntry</p> <p>Entry description: Each tmnxBsxTcaFtrEnStatsEntry specifies Application Assurance filter entry TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaFtrEnCfgTable.</p> <p>Table description (for tmnxBsxTcaFtrEnStatsTable): The tmnxBsxTcaFtrEnStatsTable contains an entry for each configured Application Assurance filter entry TCA, as configured in tmnxBsxStatTcaFtrEnCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaFtrEntryCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaFtrEnStatsTmLastCleared)	long	The value of tmnxBsxTcaFtrEnStatsTmLastCleared indicates the last time, since system startup, when the tmnxBsxTcaFtrEnStatsTcaState changed from 'raised (1)' to 'cleared (0)'.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastRaised [Last Raised] (tmnxBsxTcaFtrEnStatsTmLastRaised)	long	The value of tmnxBsxTcaFtrEnStatsTmLastRaised indicates the last time, since system startup, when the tmnxBsxTcaFtrEnStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaFtrEnStatsTcaState)	int	The value of tmnxBsxTcaFtrEnStatsTcaState indicates the state of the filter entry TCA.
triggerType [Trigger Type] (tmnxBsxTcaFtrEnStatsTcaTrigType)	int	The value of tmnxBsxTcaFtrEnStatsTcaTrigType indicates the trigger type used.
<p>BsxTcaFtrStats</p> <p>MIB entry name: tmnxBsxTcaFtrStatsEntry</p> <p>Entry description: Each tmnxBsxTcaFtrStatsEntry specifies Application Assurance filter TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaFtrCfgTable.</p> <p>Table description (for tmnxBsxTcaFtrStatsTable): The tmnxBsxTcaFtrStatsTable contains an entry for each configured Application Assurance filter TCA, as configured in tmnxBsxStatTcaFtrCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaFilterCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaFtrStatsTimeLastCleared)	long	The value of tmnxBsxTcaFtrStatsTimeLastCleared indicates the last time, since system startup, when the tmnxBsxTcaFtrStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaFtrStatsTimeLastRaised)	long	The value of tmnxBsxTcaFtrStatsTimeLastRaised indicates the last time, since system startup, when the tmnxBsxTcaFtrStatsTcaState changed from 'cleared (0)' to 'raised (1)'.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tcaState [Tca State] (tmnxBsxTcaFtrStatsTcaState)	int	The value of tmnxBsxTcaFtrStatsTcaState indicates the state of the filter TCA.
triggerType [Trigger Type] (tmnxBsxTcaFtrStatsTcaTrigType)	int	The value of tmnxBsxTcaFtrStatsTcaTrigType indicates the trigger type used.
<p>BsxTcaPolcrStats</p> <p>MIB entry name: tmnxBsxTcaPolcrStatsEntry</p> <p>Entry description: Each tmnxBsxTcaPolcrStatsEntry specifies Application Assurance policer TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaPolcrCfgTable.</p> <p>Table description (for tmnxBsxTcaPolcrStatsTable): The tmnxBsxTcaPolcrStatsTable contains an entry for each configured Application Assurance policer TCA, as configured in tmnxBsxStatTcaPolcrCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaPolicerCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaPolcrStatsTmLastCleared)	long	The value of tmnxBsxTcaPolcrStatsTmLastCleared indicates the last time, since system startup, when the tmnxBsxTcaPolcrStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaPolcrStatsTmLastRaised)	long	The value of tmnxBsxTcaPolcrStatsTmLastRaised indicates the last time, since system startup, when the tmnxBsxTcaPolcrStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaPolcrStatsTcaState)	int	The value of tmnxBsxTcaPolcrStatsTcaState indicates the state of the policer TCA.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
triggerType [Trigger Type] (tmnxBsxTcaPolcrStatsTcaTrigType)	int	The value of tmnxBsxTcaPolcrStatsTcaTrigType indicates the trigger type used.
<p>BsxTcaStats</p> <p>MIB entry name: tmnxBsxTcaStatsEntry</p> <p>Entry description: Each tmnxBsxTcaStatsEntry specifies Application Assurance TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaCfgTable.</p> <p>Table description (for tmnxBsxTcaStatsTable): The tmnxBsxTcaStatsTable contains an entry for each configured Application Assurance TCA, as configured in tmnxBsxStatTcaCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaStatsTimeLastCleared)	long	The value of tmnxBsxTcaStatsTimeLastCleared indicates the last time, since system startup, when the tmnxBsxTcaStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaStatsTimeLastRaised)	long	The value of tmnxBsxTcaStatsTimeLastRaised indicates the last time, since system startup, when the tmnxBsxTcaStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaStatsTcaState)	int	The value of tmnxBsxTcaStatsTcaState indicates the state of the TCA.
triggerType [Trigger Type] (tmnxBsxTcaStatsTcaTrigType)	int	The value of tmnxBsxTcaStatsTcaTrigType indicates the trigger type used.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcpValStats</p> <p>MIB entry name: tmnxBsxTcpValStatsEntry</p> <p>Entry description: Each tmnxBsxTcpValStatsEntry specifies Application Assurance TCP validation template statistics per group/partition. Rows in this table are automatically created and destroyed when validation templates are created or destroyed in the tmnxBsxTcpValTable. An index with a valid TCP validation template (an existing row in tmnxBsxTcpValTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and TCP validation template.</p> <p>Table description (for tmnxBsxTcpValStatsTable): The tmnxBsxTcpValTcaStatsTable contains an entry for each configured Application Assurance TCP validation template, as configured in tmnxBsxTcpValTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpValidation</p>		
allowed [Allowed] (tmnxBsxTcpValStatsAllowed)	java. math. BigInteger	The value of tmnxBsxTcpValStatsAllowed indicates the number allowed by the TCP validation template.
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
direction [Direction] (tmnxBsxTcpValStatsDirection)	int	The value of tmnxBsxTcpValStatsDirection indicates the direction of the TCP validation template statistics.
discntTime [Discnt Time] (tmnxBsxTcpValStatsDiscntTime)	long	The value of tmnxBsxTcpValStatsDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when an ISA-AA MDA within the group last changed status.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropAfterRST [Drop After RST] (tmnxBsxTcpValStatsDropAfterRST)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAfterRST indicates the number dropped by the TCP validation template due to use after a reset (RST).
dropAlreadyEst [Drop Already Est] (tmnxBsxTcpValStatsDropAlreadyEst)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAlreadyEst indicates the number dropped by the TCP validation template due to being already established.
dropAsymmetric [Drop Asymmetric] (tmnxBsxTcpValStatsDropAsymmetric)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAsymmetric indicates the number dropped by the TCP validation template due to asymmetric routing.
dropBadACK [Drop Bad ACK] (tmnxBsxTcpValStatsDropBadACK)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadACK indicates the number dropped by the TCP validation template due to an invalid acknowledgement number (ACK).
dropBadFlag [Drop Bad Flag] (tmnxBsxTcpValStatsDropBadFlag)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadFlag indicates the number dropped by the TCP validation template due to an invalid flag.
dropBadOption [Drop Bad Option] (tmnxBsxTcpValStatsDropBadOption)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadOption indicates the number dropped by the TCP validation template due to an invalid Option.
dropBadSEQ [Drop Bad SEQ] (tmnxBsxTcpValStatsDropBadSEQ)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadSEQ indicates the number dropped by the TCP validation template due to an invalid sequence number (SEQ).
dropFragmented [Drop Fragmented] (tmnxBsxTcpValStatsDropFragmented)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropFragmented indicates the number dropped by the TCP validation template due to fragmentation.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropNoEstmen [Drop No Estmen] (tmnxBsxTcpValStatsDropNoEstment)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropNoEstment indicates the number dropped by the TCP validation template due to no establishment.
units [Units] (tmnxBsxTcpValStatsUnits)	int	The value of tmnxBsxTcpValStatsUnits indicates the units of the TCP validation template statistics.
<p>BsxTcpValTcaStats</p> <p>MIB entry name: tmnxBsxTcpValTcaStatsEntry</p> <p>Entry description: Each tmnxBsxTcpValTcaStatsEntry specifies Application Assurance TCP validate TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxTcpValTcaTable.</p> <p>Table description (for tmnxBsxTcpValTcaStatsTable): The tmnxBsxTcpValTcaStatsTable contains an entry for each configured Application Assurance TCP validate TCA, as configured in tmnxBsxTcpValTcaTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpValidationTca</p>		
lastCleared [Last Cleared] (tmnxBsxTcpValTcaStatsLastCleared)	long	The value of tmnxBsxTcpValTcaStatsLastCleared indicates the last time, since system startup, when the tmnxBsxTcpValTcaStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcpValTcaStatsLastRaised)	long	The value of tmnxBsxTcpValTcaStatsLastRaised indicates the last time, since system startup, when the tmnxBsxTcpValTcaStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcpValTcaStatsTcaState)	int	The value of tmnxBsxTcpValTcaStatsTcaState indicates the state of the policer TCA.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
triggerType [Trigger Type] (tmnxBsxTcpValTcaStatsTcaTrigType)	int	The value of tmnxBsxTcpValTcaStatsTcaTrigType indicates the trigger type used.
<p>BsxTrafStats</p> <p>MIB entry name: tmnxBsxTrafStatEntry</p> <p>Entry description: Each tmnxBsxTrafStatEntry contains the traffic statistics for a particular group, partition, IP Protocol and IP Family.</p> <p>Table description (for tmnxBsxTrafStatTable): The tmnxBsxTrafStatTable contains an entry for each system wide IP Protocol and IP Family pairing per group and partition.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxTrafStatActFlwsFmSb)	long	The value of tmnxBsxTrafStatActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxTrafStatActFlwsToSb)	long	The value of tmnxBsxTrafStatActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxTrafStatLngDurFlws)	java. math. BigInte- ger	The value of tmnxBsxTrafStatLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxTrafStatMedDurFlws)	java. math. BigInte- ger	The value of tmnxBsxTrafStatMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxTrafStatShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxTrafStatFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxTrafStatFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxTrafStatFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxTrafStatFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction.
ipFamily [Ip Family] (tmnxBsxTrafStatIpFamily)	int	The value of tmnxBsxTrafStatIpFamily specifies the IP Family for the traffic statistics. IP Family values may be one of: ipv4 (1) - IPv4 ipv6 (2) - IPv6 dsLite (3) - IPv4 tunneled inside IPv6 sixRd (4) - IPv6 tunneled inside IPv4, includes 6rd, 6to4 teredo (5) - IPv6 tunneled inside UDP, tunneled inside IPv4 v4inv4Gtp (6) - IPv4 tunneled inside IPv4 GTP v4inv6Gtp (7) - IPv4 tunneled inside IPv6 GTP v6inv4Gtp (8) - IPv6 tunneled inside IPv4 GTP v6inv6Gtp (9) - IPv6 tunneled inside IPv6 GTP

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipProtocol [Ip Protocol] (tmnxBsxTrafStatIpProtocol)	int	The value of tmnxBsxTrafStatIpProtocol specifies the IP Protocol for the traffic statistics. IP Protocol values may be one of: other (1) - all IP protocols not listed below tcp (2) - TCP traffic udp (3) - UDP traffic
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxTrafStatOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxTrafStatOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxTrafStatOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxTrafStatOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxTrafStatPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxTrafStatPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxTrafStatPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxTrafStatPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction.
termFlowDuration [Term Flow Duration] (tmnxBsxTrafStatTermFlwDur)	java. math. BigInteger	The value of tmnxBsxTrafStatTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated.
termFlows [Term Flows] (tmnxBsxTrafStatTermFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatTermFlws indicates the total number of allowed flows in both directions that have terminated.
<p>BsxTransitSubCustRecAppGrpStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxTransitSubStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>DbInfoTransitSubscriberSumStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>HttpNotifStats MIB entry name: tmnxChassisEntry Entry description: tmnxChassisEntry consists of the system level information pertaining to the hardware present in the system. Only one entry is created and maintained by the system, which is assigned the tmnxChassisIndex value '1'. Once this entry is created, it cannot be destroyed. Additional entries cannot be manually created or destroyed. Support of multiple chassis' are managed through the use of tmnxPhysChassisTable. Table description (for tmnxChassisTable): tmnxChassisTable contains Nokia 7x50 system level information. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AppQosPolicy</p>		
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
criteriaNoMatchCount [Criteria No Match Count] (tmnxBsxHttpNotifStatCritNoMtch)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatCritNoMtch indicates the number of messages which did not match the selection criteria for insertion of the script URL.

Table 239 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedCount [Failed Count] (tmnxBsxHttpNotifStatFailed)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatFailed indicates the number of times a HTTP notification is known to have failed.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
insertedCount [Inserted Count] (tmnxBsxHttpNotifStatInserted)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatInserted indicates the number of times the script URL was inserted into a message.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
statusLastChangedTime [Status Last Changed Time] (tmnxBsxHttpNotifStatDiscntTime)	long	The value of tmnxBsxHttpNotifStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
successCount [Success Count] (tmnxBsxHttpNotifStatSuccess)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatSuccess indicates the number of times a HTTP notification success report was received.

Table 240 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 240 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 240 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 241 acfilterli statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LilpFilterEntryStats</p> <p>MIB entry name: tLilpFilterParamsInfoEntry</p> <p>Entry description: This row complements the corresponding row in the tLilpFilterParamsTable with read-only operational info. Entries are created and deleted automatically by the system when a corresponding entry in tLilpFilterParamsTable is created / deleted.</p> <p>Table description (for tLilpFilterParamsInfoTable): The table tLilpFilterParamsInfoTable contains read-only information pertaining to LI IP filter match entries of LI IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • acfilterli.LilpFilterEntry • acfilterli.Lilpv6FilterEntry 		
egressHitBytes [Egress Hit Bytes] (tLilpFltrParamsInfEgrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLilpFltrParamsInfEgrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLilpFltrParamsInfIngrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLilpFltrParamsInfIngrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 241 acfilterli statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LiMacFilterEntryStats</p> <p>MIB entry name: tLiMacFilterParamsEntry</p> <p>Entry description: An LI MAC filter match entry.</p> <p>Table description (for tLiMacFilterParamsTable): The table tLiMacFilterParamsTable contains all LI MAC filter match entries for all LI MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilterli.LiMacFilterEntry</p>		
egressHitBytes [Egress Hit Bytes] (tLiMacFilterParamsEgrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLiMacFilterParamsEgrHitCount)	java. math. BigInteger	This object tLiMacFilterParamsEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLiMacFilterParamsIngrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLiMacFilterParamsIngrHitCount)	java. math. BigInteger	The object tLiMacFilterParamsIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 242 ancp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpCustomerStaticMapEgrMonitorStats</p> <p>MIB entry name: tmnxAncpMssEgrMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssEgrMonitorTable): The table tmnxAncpMssEgrMonitorTable contains ingress ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssEgrMntrAncpString)	String	The value of tmnxAncpMssEgrMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpMssEgrMntrQosShedPIR.
qosShedName [Qos Shed Name] (tmnxAncpMssEgrMntrQosShedName)	String	The value of tmnxAncpMssEgrMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this MSS.
qosShedPIR [Qos Shed PIR] (tmnxAncpMssEgrMntrQosShedPIRLo)	java.math.BigInteger	The value of tmnxAncpMssEgrMntrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpMssEgrMntrQosShedPIRHi along with the value of tmnxAncpMssEgrMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpMssEgrMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpMssEgrMntrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.
<p>AncpCustomerStaticMapIngrMonitorStats MIB entry name: tmnxAncpMssIngMonitorEntry Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only. Table description (for tmnxAncpMssIngMonitorTable): The table tmnxAncpMssIngMonitorTable contains ingress ANCP information for every MSS that maps on an known ANCP string. Supports realtime plotting Supports scheduled collection Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssIngMntrAncpString)	String	The value of tmnxAncpMssIngMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpMssIngMntrQosShedPIR.
qosShedName [Qos Shed Name] (tmnxAncpMssIngMntrQosShedName)	String	The value of tmnxAncpMssIngMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this MSS.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosShedPIR [Qos Shed PIR] (tmnxAncpMssIngMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpMssIngMntrQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpMssIngMntrQosShedPIRHi along with the value of tmnxAncpMssIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpMssIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpMssIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.
<p>AncpCustomerStaticMapMonitorStats</p> <p>MIB entry name: tmnxAncpMssMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssMonitorTable): The table tmnxAncpMssMonitorTable contains ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssMntrAncpString)	String	The value of tmnxAncpMssMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the Scheduler rate limit as described in tmnxAncpMssMntrEgrAggRateLmt.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpMssMntrEgrAggRateLmt)	long	The value of tmnxAncpMssMntrEgrAggRateLmt indicates the Qos Scheduler aggregate rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy. The value of 4294967295 (0xFFFFFFFF) specifies max rate and value of 4294967294 (0xFFFFFFFFE) specifies no override.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.
<p>AncpSapEgrSchedMonitorStats</p> <p>MIB entry name: tmnxAncpSapEgrSchedMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapEgrSchedMonitorTable): The table tmnxAncpSapEgrSchedMonitorTable contains ANCP ingress information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapEgrMntrAncpString)	String	The value of tmnxAncpSapEgrMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpSapEgrMntrQosShedPIR.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosShedName [Qos Shed Name] (tmnxAncpSapEgrMntrQosShedName)	String	The value of tmnxAncpSapEgrMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this SAP.
qosShedPIR [Qos Shed PIR] (tmnxAncpSapEgrMntrQosShedPIRLo)	java. math. BigInte- ger	The value of tmnxAncpSapEgrMntrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSapIngMntrQosShedPIRHi along with the value of tmnxAncpSapIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSapIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSapIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFF7FE) indicates no overrides.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>AncpSapIngSchedMonitorStats</p> <p>MIB entry name: tmnxAncpSapIngSchedMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapIngSchedMonitorTable): The table tmnxAncpSapIngSchedMonitorTable contains ANCP ingress information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpString [Ancp String] (tmnxAncpSapIngMntrAncpString)	String	The value of tmnxAncpSapIngMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpSapIngMntrQosShedPIR.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
qosShedName [Qos Shed Name] (tmnxAncpSapIngMntrQosShedName)	String	The value of tmnxAncpSapIngMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this SAP.
qosShedPIR [Qos Shed PIR] (tmnxAncpSapIngMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSapIngMntrQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSapIngMntrQosShedPIRHi along with the value of tmnxAncpSapIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSapIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSapIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFFFFEE) indicates no overrides.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svcid [Svc Id] (svcid)	long	The value of the object svcId specifies the Service identifier. This value should be unique within the service domain.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpSapMonitorStats</p> <p>MIB entry name: tmnxAncpSapMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapMonitorTable): The table tmnxAncpSapMonitorTable contains ANCP information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapMntrAncpString)	String	The value of tmnxAncpSapMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the aggregate rate limit as described in tmnxAncpSapMntrEgrAggRateLmt.
egrAggRateLmt [Egr Agg Rate Lmt] (tmnxAncpSapMntrEgrAggRateLmt)	long	The value of tmnxAncpSapMntrEgrAggRateLmt indicates the Qos Scheduler aggregate rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy. The value of 4294967295 (0xFFFFFFFF) specifies max rate and value of 4294967294 (0xFFFFFFFFE) specifies no override.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svcId [Svc Id] (svcId)	long	The value of the object svcId specifies the Service identifier. This value should be unique within the service domain.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpSubMonitorStats</p> <p>MIB entry name: tmnxAncpSubMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every subscriber that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSubMonitorTable): The table tmnxAncpSubMonitorTable contains ANCP information for every subscriber that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpSubMntrEgrAggRateLimit)	java. math. BigInteger	The value of tmnxAncpSubMntrEgrAggRateLimit indicates the Qos Scheduler rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy.
egrQosShedName [Egr Qos Shed Name] (tmnxAncpSubMntrEgrQosShedName)	String	The value of tmnxAncpSubMntrEgrQosShedName indicates the egress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this subscriber.
egrQosShedPIR [Egr Qos Shed PIR] (tmnxAncpSubMntrEgrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSubMntrEgrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSubMntrEgrQosShedPIRHi along with the value of tmnxAncpSubMntrEgrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSubMntrEgrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSubMntrEgrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.
ingQosShedName [Ing Qos Shed Name] (tmnxAncpSubMntrIngQosShedName)	String	The value of tmnxAncpSubMntrIngQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this subscriber.

Table 242 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQosShedPIR [Ing Qos Shed PIR] (tmnxAncpSubMntrIngQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSubMntrIngQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSubMntrIngQosShedPIRHi along with the value of tmnxAncpSubMntrIngQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSubMntrIngQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSubMntrIngQosShedPIRLo equal to 4294967294 (0xFFFFF7FE) indicates no overrides.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.

Table 243 aps statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ApsChannelStats MIB entry name: apsChanStatusEntry Entry description: A conceptual row in the apsChanStatusTable. Table description (for apsChanStatusTable): This table contains status information for all SONET LTE interfaces that are included in APS groups. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsChannel</p>		
discontinuityTime [Discontinuity Time] (apsChanStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this channel's counters suffered a discontinuity. The relevant counters are the specific instances associated with this channel of any Counter32 object contained in apsChanStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.
lastSwitchover [Last Switchover] (apsChanStatusLastSwitchover)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the value of sysUpTime when this channel last completed a switch to the protection line. If this channel has never switched to the protection line, the value 0 will be returned. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the value of sysUpTime the last time that a working channel was switched back to the working line from this protection line. If no working channel has ever switched back to the working line from this protection line, the value 0 will be returned.

Table 243 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalDegrades [Signal Degrades] (apsChanStatusSignalDegrades)	long	A count of Signal Degrade conditions. This condition occurs when the line Bit Error Rate exceeds the currently configured value of the relevant instance of apsConfigSdBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
signalFailures [Signal Failures] (apsChanStatusSignalFailures)	long	A count of Signal Failure conditions that have been detected on the incoming signal. This condition occurs when a loss of signal, loss of frame, AIS-L or a Line bit error rate exceeding the currently configured value of the relevant instance of apsConfigSfBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
switchoverSeconds [Switchover Seconds] (apsChanStatusSwitchoverSeconds)	long	The cumulative Protection Switching Duration (PSD) time in seconds. For a working channel, this is the cumulative number of seconds that service was carried on the protection line. For the protection line, this is the cumulative number of seconds that the protection line has been used to carry any working channel traffic. This information is only valid if revertive switching is enabled. The value 0 will be returned otherwise. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime. For example, if the value of an instance of apsChanStatusSwitchoverSeconds changes from a non-zero value to zero due to revertive switching being disabled, it is expected that the corresponding value of apsChanStatusDiscontinuityTime will be updated to reflect the time of the configuration change.

Table 243 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
switchovers [Switchovers] (apsChanStatusSwitchovers)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the number of times this channel has switched to the protection line. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the number of times that any working channel has been switched back to the working line from this protection line. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
<p>ApsGroupStats</p> <p>MIB entry name: apsStatusEntry</p> <p>Entry description: A conceptual row in the apsStatusTable.</p> <p>Table description (for apsStatusTable): This table provides status information about APS groups that have been configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aps.ApsGroup</p>		
channelMismatches [Channel Mismatches] (apsStatusChannelMismatches)	long	A count of Channel Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
discontinuityTime [Discontinuity Time] (apsStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this APS group's counters suffered a discontinuity. The relevant counters are the specific instances associated with this APS group of any Counter32 object contained in apsStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.

Table 243 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fEPLFs [fEPLFs] (apsStatusfEPLFs)	long	A count of Far-End Protection-Line Failure conditions. This condition is declared based on receiving SF on the protection line in the K1 byte. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
modeMismatches [Mode Mismatches] (apsStatusModeMismatches)	long	A count of Mode Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
pSBFs [PSBFs] (apsStatusPSBFs)	long	A count of Protection Switch Byte Failure conditions. This condition occurs when either an inconsistent APS byte or an invalid code is detected. An inconsistent APS byte occurs when no three consecutive K1 bytes of the last 12 successive frames are identical, starting with the last frame containing a previously consistent byte. An invalid code occurs when the incoming K1 byte contains an unused code or a code irrelevant for the specific switching operation (e.g., Reverse Request while no switching request is outstanding) in three consecutive frames. An invalid code also occurs when the incoming K1 byte contains an invalid channel number in three consecutive frames. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.

Table 244 arp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapArpHostStats</p> <p>MIB entry name: sapArpHostStatEntry</p> <p>Entry description: ARP host specific status and statistics information about a SAP.</p> <p>Table description (for sapArpHostStatTable): A table that contains ARP host status and statistics information about SAP's.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		
numAuthReq [Num Auth Req] (sapArpHostStatNumAuthReq)	long	The value of sapArpHostStatNumAuthReq indicates the number of times that the system initiated an authentication request for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numCreated [Num Created] (sapArpHostStatNumCreated)	long	The value of sapArpHostStatNumCreated indicates the number of times that an ARP host was created on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numDeleted [Num Deleted] (sapArpHostStatNumDeleted)	long	The value of sapArpHostStatNumDeleted indicates the number of times that an ARP host was deleted on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numForcedVerif [Num Forced Verif] (sapArpHostStatNumForcedVerif)	long	The value of sapArpHostStatNumForcedVerif indicates the number of times that the system started a forced subscriber host connectivity verification for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 244 arp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numHosts [Num Hosts] (sapArpHostStatNumHosts)	long	The value of sapArpHostStatNumHosts indicates the actual number of ARP hosts on this SAP.
numUpdated [Num Updated] (sapArpHostStatNumUpdated)	long	The value of sapArpHostStatNumUpdated indicates the number of times that an ARP host was updated on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
trigIgnQFull [Trig Ign QFull] (sapArpHostStatTrigIgnQFull)	long	The value of sapArpHostStatTrigIgnQFull indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host because the internal ARP trigger event queue of the system was full, since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
triggersIgnored [Triggers Ignored] (sapArpHostStatTriggersIgnored)	long	The value of sapArpHostStatTriggersIgnored indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared. This number does not include the number indicated by sapArpHostStatTrigIgnQFull.
triggersRx [Triggers Rx] (sapArpHostStatTriggersRx)	long	The value of sapArpHostStatTriggersRx indicates the number of ARP triggers received on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 245 atm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ATMCpStats</p> <p>MIB entry name: tAtmCpStatisticsEntry</p> <p>Entry description: An entry in the tAtmCpStatisticsTable contains statistics information applicable to a particular connection profile assigned to a particular interface.</p> <p>Table description (for tAtmCpStatisticsTable): The tAtmCpStatisticsTable is used to gather statistics on connection profiles assigned to interfaces.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmCpStatsClp0CellsRxd [TAtm Cp Stats Clp 0 Cells Rxd] (tAtmCpStatsClp0CellsRxd)	java. math. BigInteger	The value of tAtmCpStatsClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the connection profile.
tAtmCpStatsClp0CellsTxd [TAtm Cp Stats Clp 0 Cells Txd] (tAtmCpStatsClp0CellsTxd)	java. math. BigInteger	The value of tAtmCpStatsClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the connection profile.
tAtmCpStatsDrpCellsRxd [TAtm Cp Stats Drp Cells Rxd] (tAtmCpStatsDrpCellsRxd)	long	The value of tAtmCpStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the connection profile. This excludes any buffer management discards (if applicable).
tAtmCpStatsDrpClp0CellsRxd [TAtm Cp Stats Drp Clp 0 Cells Rxd] (tAtmCpStatsDrpClp0CellsRxd)	long	The value of tAtmCpStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the connection profile. This excludes any buffer management discards (if applicable).
tAtmCpStatsDrpClp0CellsTxd [TAtm Cp Stats Drp Clp 0 Cells Txd] (tAtmCpStatsDrpClp0CellsTxd)	long	The value of tAtmCpStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this connection profile. This includes both discards due to buffer management and policer.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmCpStatsTagCells [TAtm Cp Stats Tag Cells] (tAtmCpStatsTagCells)	long	The value of tAtmCpStatsTagCells indicates the number of tagged CLP=0 cells of the connection profile. The egress may or may not discard these cells.
tAtmCpStatsTotalCellsRxd [TAtm Cp Stats Total Cells Rxd] (tAtmCpStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmCpStatsTotalCellsRxd indicates the number of valid ATM cells received by the connection profile. If traffic policing is implemented, then cells are counted prior to the application of traffic policing. To obtain the byte count multiply tAtmCpStatsTotalCellsRxd by 53.
tAtmCpStatsTotalCellsTxd [TAtm Cp Stats Total Cells Txd] (tAtmCpStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmCpStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the connection profile. If traffic policing is implemented, then cells are counted prior to the application of traffic policing. To obtain the byte count multiply tAtmCpStatsTotalCellsTxd by 53.
<p>AtmCellVclStatistics MIB entry name: tAtmCellVclStatisticsEntry Entry description: An entry in the tAtmCellVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmCellVclStatisticsTable): tAtmCellVclStatisticsTable is used to gather cell-level statistics on a particular VCC entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection</p>		
tAtmCellVclStatsClp0CellsRxd [TAtm Cell Vcl Stats Clp 0 Cells Rxd] (tAtmCellVclStatsClp0CellsRxd)	java. math. BigInteger	The value of tAtmCellVclStatsClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VCL.
tAtmCellVclStatsClp0CellsTxd [TAtm Cell Vcl Stats Clp 0 Cells Txd] (tAtmCellVclStatsClp0CellsTxd)	java. math. BigInteger	The value of tAtmCellVclStatsClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VCL.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmCellVclStatsDrpCellsRxd [TAtm Cell Vcl Stats Drp Cells Rxd] (tAtmCellVclStatsDrpCellsRxd)	long	The value of tAtmCellVclStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VCL. This excludes any buffer management discards (if applicable).
tAtmCellVclStatsDrpClp0CellsRxd [TAtm Cell Vcl Stats Drp Clp 0 Cells Rxd] (tAtmCellVclStatsDrpClp0CellsRxd)	long	The value of tAtmCellVclStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VCL. This excludes any buffer management discards (if applicable).
tAtmCellVclStatsDrpClp0CellsTxd [TAtm Cell Vcl Stats Drp Clp 0 Cells Txd] (tAtmCellVclStatsDrpClp0CellsTxd)	long	The value of tAtmCellVclStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VCL. This includes both discards due to buffer management and policer.
tAtmCellVclStatsTagCells [TAtm Cell Vcl Stats Tag Cells] (tAtmCellVclStatsTagCells)	long	The value of tAtmCellVclStatsTagCells indicates the number of tagged CLP=0 cells of the VCL. The egress may or may not discard these cells.
<p>AtmIfcStatistics MIB entry name: tAtmIfcStatisticsEntry Entry description: An entry in the tAtmIfcStatisticsTable containing statistics information applicable to a particular IFC entry. Table description (for tAtmIfcStatisticsTable): The tAtmIfcStatisticsTable is used to gather cell-level statistics on a particular IFC entry. Supports realtime plotting Supports scheduled collection Monitored class: atm.IfConnection</p>		
tAtmIfcStatsDrpCellsRxd [TAtm Ifc Stats Drp Cells Rxd] (tAtmIfcStatsDrpCellsRxd)	long	The value of tAtmIfcStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the IFC. This excludes any buffer management discards (if applicable).
tAtmIfcStatsDrpClp0CellsRxd [TAtm Ifc Stats Drp Clp 0 Cells Rxd] (tAtmIfcStatsDrpClp0CellsRxd)	long	The value of tAtmIfcStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the IFC. This excludes any buffer management discards (if applicable).

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmIfcStatsDrpClp0CellsTxd [TAtm Ifc Stats Drp Clp 0 Cells Txd] (tAtmIfcStatsDrpClp0CellsTxd)	long	The value of tAtmIfcStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this IFC. This includes both discards due to buffer management and policer.
tAtmIfcStatsTagCells [TAtm Ifc Stats Tag Cells] (tAtmIfcStatsTagCells)	long	The value of tAtmIfcStatsTagCells indicates the number of tagged CLP=0 cells of the IFC. The egress may or may not discard these cells.
tAtmIfcStatsTotalBytesRxd [TAtm Ifc Stats Total Bytes Rxd] (tAtmIfcStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesTxd indicates the number of bytes transmitted by this IFC. This is the number of tAtmIfcStatsTotalCellsTxd multiplied by 53.
tAtmIfcStatsTotalBytesTxd [TAtm Ifc Stats Total Bytes Txd] (tAtmIfcStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesRxd indicates the number of bytes received by this IFC. This is the number of tAtmIfcStatsTotalCellsRxd multiplied by 53.
tAtmIfcStatsTotalCellsRxd [TAtm Ifc Stats Total Cells Rxd] (tAtmIfcStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsRxd indicates the number of valid ATM cells received by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalCellsTxd [TAtm Ifc Stats Total Cells Txd] (tAtmIfcStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsRxd [TAtm Ifc Stats Total Clp 0 Cells Rxd] (tAtmIfcStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsTxd [TAtm Ifc Stats Total Clp 0 Cells Txd] (tAtmIfcStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmOamVplStatistics</p> <p>MIB entry name: tAtmOamVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVplStatisticsTable): The tAtmOamVplStatisticsTable is used to gather oam statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		
tAtmOamVplStatsAISCellsRxd [TAtm Oam Vpl Stats AISCells Rxd] (tAtmOamVplStatsAISCellsRxd)	long	The value of tAtmOamVplStatsAISCellsRxd indicates the number of AIS cells received on this VPL for both end to end and segment.
tAtmOamVplStatsAISCellsTxd [TAtm Oam Vpl Stats AISCells Txd] (tAtmOamVplStatsAISCellsTxd)	long	The value of tAtmOamVplStatsAISCellsTxd indicates the number of AIS cells transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsCrc10Errors [TAtm Oam Vpl Stats Crc 10 Errors] (tAtmOamVplStatsCrc10Errors)	long	The value of tAtmOamVplStatsCrc10Errors indicates the number of OAM cells discarded on this VPL with CRC 10 errors.
tAtmOamVplStatsLoopbackCellsRxd [TAtm Oam Vpl Stats Loopback Cells Rxd] (tAtmOamVplStatsLoopbackCellsRxd)	long	The value of tAtmOamVplStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VPL for both end to end and segment.
tAtmOamVplStatsLoopbackCellsTxd [TAtm Oam Vpl Stats Loopback Cells Txd] (tAtmOamVplStatsLoopbackCellsTxd)	long	The value of tAtmOamVplStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsOtherCellsRxd [TAtm Oam Vpl Stats Other Cells Rxd] (tAtmOamVplStatsOtherCellsRxd)	long	This value of tAtmOamVplStatsOtherCellsRxd indicates the number of OAM cells that are received on this VPL but not identified.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmOamVplStatsRDICellsRxd [TAtm Oam Vpl Stats RDICells Rxd] (tAtmOamVplStatsRDICellsRxd)	long	The value of tAtmOamVplStatsRDICellsRxd indicates the number of RDI cells received on this VPL for both end to end and segment.
tAtmOamVplStatsRDICellsTxd [TAtm Oam Vpl Stats RDICells Txd] (tAtmOamVplStatsRDICellsTxd)	long	The value of tAtmOamVplStatsRDICellsTxd indicates the number of RDI cells transmitted on this VPL for both end to end and segment.
<p>AtmVplStatistics MIB entry name: tAtmVplStatisticsEntry Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB. Table description (for tAtmVplStatisticsTable): The tAtmVplStatisticsTable is used to gather cell-level statistics on a particular VPL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.VPConnection</p>		
tAtmVplStatsDrpCellsRxd [TAtm Vpl Stats Drp Cells Rxd] (tAtmVplStatsDrpCellsRxd)	long	The value of tAtmVplStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsRxd [TAtm Vpl Stats Drp Clp 0 Cells Rxd] (tAtmVplStatsDrpClp0CellsRxd)	long	The value of tAtmVplStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsTxd [TAtm Vpl Stats Drp Clp 0 Cells Txd] (tAtmVplStatsDrpClp0CellsTxd)	long	The value of tAtmVplStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VPL. This includes both discards due to buffer management and policer.
tAtmVplStatsTagCells [TAtm Vpl Stats Tag Cells] (tAtmVplStatsTagCells)	long	The value of tAtmVplStatsTagCells indicates the number of tagged CLP=0 cells of the VPL. The egress may or may not discard these cells.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVplStatsTotalBytesRxd [TAtm Vpl Stats Total Bytes Rxd] (tAtmVplStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesRxd indicates the number of bytes received by this VPL. This is the number of tAtmVplStatsTotalCellsRxd multiplied by 53.
tAtmVplStatsTotalBytesTxd [TAtm Vpl Stats Total Bytes Txd] (tAtmVplStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesTxd indicates the number of bytes transmitted by this VPL. This is the number of tAtmVplStatsTotalCellsTxd multiplied by 53.
tAtmVplStatsTotalCellsRxd [TAtm Vpl Stats Total Cells Rxd] (tAtmVplStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsRxd indicates the number of valid ATM cells received by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalCellsTxd [TAtm Vpl Stats Total Cells Txd] (tAtmVplStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsRxd [TAtm Vpl Stats Total Clp 0 Cells Rxd] (tAtmVplStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsTxd [TAtm Vpl Stats Total Clp 0 Cells Txd] (tAtmVplStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmVtlStatistics</p> <p>MIB entry name: tAtmVtlStatisticsEntry</p> <p>Entry description: An entry in the tAtmVtlStatisticsTable containing statistics information applicable to a particular VTL entry.</p> <p>Table description (for tAtmVtlStatisticsTable): The tAtmVtlStatisticsTable is used to gather cell-level statistics on a particular VTL entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VTConnection</p>		
tAtmVtlStatsDrpCellsRxd [TAtm Vtl Stats Drp Cells Rxd] (tAtmVtlStatsDrpCellsRxd)	long	The value of tAtmVtlStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsRxd [TAtm Vtl Stats Drp Clp 0 Cells Rxd] (tAtmVtlStatsDrpClp0CellsRxd)	long	The value of tAtmVtlStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsTxd [TAtm Vtl Stats Drp Clp 0 Cells Txd] (tAtmVtlStatsDrpClp0CellsTxd)	long	The value of tAtmVtlStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VTL. This includes both discards due to buffer management and policer.
tAtmVtlStatsTagCells [TAtm Vtl Stats Tag Cells] (tAtmVtlStatsTagCells)	long	The value of tAtmVtlStatsTagCells indicates the number of tagged CLP=0 cells of the VTL. The egress may or may not discard these cells.
tAtmVtlStatsTotalBytesRxd [TAtm Vtl Stats Total Bytes Rxd] (tAtmVtlStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalBytesTxd indicates the number of bytes transmitted by this VTL. This is the number of tAtmVtlStatsTotalCellsTxd multiplied by 53.
tAtmVtlStatsTotalBytesTxd [TAtm Vtl Stats Total Bytes Txd] (tAtmVtlStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalBytesRxd indicates the number of bytes received by this VTL. This is the number of tAtmVtlStatsTotalCellsRxd multiplied by 53.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVtlStatsTotalCellsRxd [TAtm Vtl Stats Total Cells Rxd] (tAtmVtlStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalCellsRxd indicates the number of valid ATM cells received by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalCellsTxd [TAtm Vtl Stats Total Cells Txd] (tAtmVtlStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsRxd [TAtm Vtl Stats Total Clp 0 Cells Rxd] (tAtmVtlStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsTxd [TAtm Vtl Stats Total Clp 0 Cells Txd] (tAtmVtlStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
<p>IlmiStatistics</p> <p>MIB entry name: tAtmIlmiLinkStatisticsEntry</p> <p>Entry description: An entry in the tAtmIlmiLinkStatisticsTable containing statistics information applicable to a particular ILMI link on an ATM interface.</p> <p>Table description (for tAtmIlmiLinkStatisticsTable): The tAtmIlmiLinkStatisticsTable is used to gather statistics on a particular ILMI Link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IlmiLink</p>		
inBadValueErrors [In Bad Value Errors] (tAtmIlmiLinkInBadValueErrors)	long	The value of tAtmIlmiLinkInBadValueErrors indicates the total number SNMP 'BadValue' error messages received on this ILMI link.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inGeneralErrors [In General Errors] (tAtmIlmiLinkInGeneralErrors)	long	The value of tAtmIlmiLinkInGeneralErrors indicates the total number SNMP 'General' error messages received on this ILMI link.
inGetNextRequest [In Get Next Request] (tAtmIlmiLinkInGetNextRequestPdus)	long	The value of tAtmIlmiLinkInGetNextRequestPdus indicates the total number 'GetNextRequest' SNMP PDUs received on this ILMI link.
inGetRequest [In Get Request] (tAtmIlmiLinkInGetRequestPdus)	long	The value of tAtmIlmiLinkInGetRequestPdus indicates the total number GetRequest SNMP PDUs received on this ILMI link.
inGetResponse [In Get Response] (tAtmIlmiLinkInGetResponsePdus)	long	The value of tAtmIlmiLinkInGetResponsePdus indicates the total number 'GetResponse' SNMP PDUs received on this ILMI link in response to 'GetRequest', 'GetNextRequest' and 'SetRequests' sent.
inNoSuchNameErrors [In No Such Name Errors] (tAtmIlmiLinkInNoSuchNameErrors)	long	The value of tAtmIlmiLinkInNoSuchNameErrors indicates the total number SNMP 'NoSuchName' error messages received on this ILMI link.
inPdu [In Pdu] (tAtmIlmiLinkInPdus)	long	The value of tAtmIlmiLinkInPdus indicates the total number SNMP PDUs received on this ILMI link.
inReadOnlyErrors [In Read Only Errors] (tAtmIlmiLinkInReadOnlyErrors)	long	The value of tAtmIlmiLinkInReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages received on this ILMI link.
inSetRequestPackets [In Set Request Packets] (tAtmIlmiLinkInSetRequestPdus)	long	The value of tAtmIlmiLinkInSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs received on this ILMI link.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTooBigErrors [In Too Big Errors] (tAtmIImiLinkInTooBigErrors)	long	The value of tAtmIImiLinkInTooBigErrors indicates the total number SNMP `TooBig' error messages received on this ILMI link.
inTraps [In Traps] (tAtmIImiLinkInTrapPdus)	long	The value of tAtmIImiLinkInTrapPdus indicates the total number Trap SNMP PDUs received on this ILMI link.
outBadValueErrors [Out Bad Value Errors] (tAtmIImiLinkOutBadValueErrors)	long	The value of tAtmIImiLinkOutBadValueErrors indicates the total number SNMP `BadValue' error messages sent on this ILMI link.
outGeneralErrors [Out General Errors] (tAtmIImiLinkOutGeneralErrors)	long	The value of tAtmIImiLinkOutGeneralErrors indicates the total number SNMP `General' error messages sent on this ILMI link.
outGetNextRequest [Out Get Next Request] (tAtmIImiLinkOutGetNextRequestPdus)	long	The value of tAtmIImiLinkOutGetNextRequestPdus indicates the total number GetNextRequest SNMP PDUs sent on this ILMI link.
outGetRequest [Out Get Request] (tAtmIImiLinkOutGetRequestPdus)	long	The value of tAtmIImiLinkOutGetRequestPdus indicates the total number GetRequest SNMP PDUs sent on this ILMI link.
outGetResponse [Out Get Response] (tAtmIImiLinkOutGetResponsePdus)	long	The value of tAtmIImiLinkOutGetResponsePdus indicates the total number GetResponse SNMP PDUs sent on this ILMI link in response to GetRequest, GetNextRequest and 'SetRequests' received.
outNoSuchNameErrors [Out No Such Name Errors] (tAtmIImiLinkOutNoSuchNameErrors)	long	The value of tAtmIImiLinkOutNoSuchNameErrors indicates the total number SNMP `NoSuchName' error messages sent on this ILMI link.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPdu [Out Pdu] (tAtmIImiLinkOutPdus)	long	The value of tAtmIImiLinkOutPdus indicates the total number SNMP PDUs sent on this ILMI link.
outReadOnlyErrors [Out Read Only Errors] (tAtmIImiLinkOutReadOnlyErrors)	long	The value of tAtmIImiLinkOutReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages sent on this ILMI link.
outSetRequestPackets [Out Set Request Packets] (tAtmIImiLinkOutSetRequestPdus)	long	The value of tAtmIImiLinkOutSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs sent on this ILMI link.
outTooBigErrors [Out Too Big Errors] (tAtmIImiLinkOutTooBigErrors)	long	The value of tAtmIImiLinkOutTooBigErrors indicates the total number SNMP 'TooBig' error messages sent on this ILMI link.
outTraps [Out Traps] (tAtmIImiLinkOutTrapPdus)	long	The value of tAtmIImiLinkOutTrapPdus indicates the total number Trap SNMP PDUs sent on this ILMI link.
snmpCommStringErrors [Snmp Comm String Errors] (tAtmIImiLinkInInvalidSnmpCommunityStringPdus)	long	The value of tAtmIImiLinkInInvalidSnmpCommunityStringPdus indicates the total number SNMP PDUs received with invalid community string on this ILMI link.
snmpFormatErrors [Snmp Format Errors] (tAtmIImiLinkInInvalidSnmpFormatPdus)	long	The value of tAtmIImiLinkInInvalidSnmpFormatPdus indicates the total number SNMP PDUs received with invalid ASN.1 format on this ILMI link.
snmpVersionErrors [Snmp Version Errors] (tAtmIImiLinkInInvalidSnmpVersionPdus)	long	The value of tAtmIImiLinkInInvalidSnmpVersionPdus indicates the total number SNMP PDUs received with invalid version on this ILMI link.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAal5Stats</p> <p>MIB entry name: tAtmIntfAal5StatsEntry</p> <p>Entry description: An entry in the tAtmIntfAal5StatsEntry containing statistics information applicable to an ATM interface at the AAL5 Layer.</p> <p>Table description (for tAtmIntfAal5StatsTable): The tAtmIntfAal5StatsTable contains ATM interface stats at the AAL5 Layer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmInterfaceAal5StatsTotalCrc32Errors [TAtm Interface Aal5 Stats Total Crc 32 Errors] (tAtmIntfAal5StatsTotalCrc32Err)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalCrc32Err indicates the number of Errors detected by the 32 bit cyclic redundancy check.
tAtmInterfaceAal5StatsTotalPktsDroppedRxd [TAtm Interface Aal5 Stats Total Pkts Dropped Rxd] (tAtmIntfAal5StatsTotalPktsDrpRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpRxd indicates the number of AAL5 PDUs dropped by the ATM interface in the receive direction. This count does not include crc32 Errors or oversized SDU discards
tAtmInterfaceAal5StatsTotalPktsDroppedTxd [TAtm Interface Aal5 Stats Total Pkts Dropped Txd] (tAtmIntfAal5StatsTotalPktsDrpTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpTxd indicates the number of AAL5 PDUs dropped in the transmit direction. This count does not include crc32 Errors or oversized SDU discards.
tAtmInterfaceAal5StatsTotalPktsRxd [TAtm Interface Aal5 Stats Total Pkts Rxd] (tAtmIntfAal5StatsTotalPktsRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsRxd indicates the number of AAL5 PDUs that are received by the ATM interface.
tAtmInterfaceAal5StatsTotalPktsTxd [TAtm Interface Aal5 Stats Total Pkts Txd] (tAtmIntfAal5StatsTotalPktsTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsTxd indicates the number of AAL5 PDUs that are transmitted by the ATM interface.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: tAtmIntfStatsEntry Entry description: An entry in the tAtmIntfStatsEntry containing statistics information applicable to an ATM interface. Table description (for tAtmIntfStatsTable): The tAtmIntfStatsTable contains ATM interface stats at the ATM Layer. Supports realtime plotting Supports scheduled collection Monitored class: atm.Interface		
tAtmInterfaceStatsTotalBytesRxd [TAtm Interface Stats Total Bytes Rxd] (tAtmIntfStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesRxd indicates the number of bytes received on this interface. This is the number of tAtmIntfStatsTotalCellsRxd multiplied by 53.
tAtmInterfaceStatsTotalBytesTxd [TAtm Interface Stats Total Bytes Txd] (tAtmIntfStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesTxd indicates the number of bytes transmitted on this interface. This is the number of tAtmIntfStatsTotalCellsTxd multiplied by 53.
tAtmInterfaceStatsTotalCellsRxd [TAtm Interface Stats Total Cells Rxd] (tAtmIntfStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsRxd indicates the number of valid ATM cells received by the ATM interface including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmInterfaceStatsTotalCellsTxd [TAtm Interface Stats Total Cells Txd] (tAtmIntfStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the ATM interface including both CLP=0 and CLP=1 cells.
tAtmInterfaceStatsTotalUnknownCellsDropped [TAtm Interface Stats Total Unknown Cells Dropped] (tAtmIntfStatsTotalUnknCellsDrp)	long	The value of tAtmIntfStatsTotalUnknCellsDrp indicates the number of cells dropped due to an unknown VPI/VCI.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionAal5PerformanceStats</p> <p>MIB entry name: aal5VccEntry</p> <p>Entry description: This list contains the AAL5 VCC performance parameters and is indexed by ifIndex values of AAL5 interfaces and the associated VPI/VCI values.</p> <p>Table description (for aal5VccTable): This table contains AAL5 VCC performance parameters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
aal5CrcErrors [Aal5 Crc Errors] (aal5VccCrcErrors)	long	The number of AAL5 CPCS PDUs received with CRC-32 errors on this AAL5 VCC at the interface associated with an AAL5 entity.
aal5OverSizedSDUs [Aal5 Over Sized SDUs] (aal5VccOverSizedSDUs)	long	The number of AAL5 CPCS PDUs discarded on this AAL5 VCC at the interface associated with an AAL5 entity because the AAL5 SDUs were too large.
aal5SarTimeOuts [Aal5 Sar Time Outs] (aal5VccSarTimeOuts)	long	The number of partially re-assembled AAL5 CPCS PDUs which were discarded on this AAL5 VCC at the interface associated with an AAL5 entity because they were not fully re-assembled within the required time period. If the re-assembly timer is not supported, then this object contains a zero value.
<p>PvcConnectionAal5Stats</p> <p>MIB entry name: tAal5VccStatisticsEntry</p> <p>Entry description: An entry in the tAal5VccStatisticsTable containing statistics information applicable to a particular AAL5 VCC entry in the AToM MIB.</p> <p>Table description (for tAal5VccStatisticsTable): tAal5VccStatisticsTable is used to gather AAL5-level statistics on a particular AAL5 VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aal5DroppedPacketsRxd [Aal5 Dropped Packets Rxd] (tAal5VccStatsDrpPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsRxd indicates the number of dropped AAL-5 SDUs that have been received on the AAL-5 VCC.
aal5DroppedPacketsTxd [Aal5 Dropped Packets Txd] (tAal5VccStatsDrpPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsTxd indicates the number of dropped AAL-5 SDUs that would have been transmitted on the AAL-5 VCC.
aal5PacketsRxd [Aal5 Packets Rxd] (tAal5VccStatsPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsRxd indicates the number of valid AAL-5 SDUs and AAL-5 SDUs with CRC-32 errors received by the AAL-5 VCC.
aal5PacketsTxd [Aal5 Packets Txd] (tAal5VccStatsPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsTxd indicates the number of AAL-5 SDUs transmitted by the AAL-5 VCC.
PvcConnectionOamStats MIB entry name: tAtmOamVclStatisticsEntry Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmOamVclStatisticsTable): The tAtmOamVclStatisticsTable is used to gather oam statistics on a particular VCL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection		
oamAISCellsRxd [Oam AISCells Rxd] (tAtmOamVclStatsAISCellsRxd)	long	The value of tAtmOamVclStatsAISCellsRxd indicates the number of AIS cells received on this VC for both end to end and segment.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oamAISCellsTxd [Oam AISCells Txd] (tAtmOamVclStatsAISCellsTxd)	long	The value of tAtmOamVclStatsAISCellsTxd indicates the number of AIS cells transmitted on this VC for both end to end and segment.
oamCrc10Errors [Oam Crc 10 Errors] (tAtmOamVclStatsCrc10Err)	long	The value of tAtmOamVclStatsCrc10Err indicates the number of oam cells discarded with CRC 10 Errors.
oamLoopbackCellsRxd [Oam Loopback Cells Rxd] (tAtmOamVclStatsLoopbackCellsRxd)	long	The value of tAtmOamVclStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VC for both end to end and segment.
oamLoopbackCellsTxd [Oam Loopback Cells Txd] (tAtmOamVclStatsLoopbackCellsTxd)	long	The value of tAtmOamVclStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VC for both end to end and segment.
oamOtherCellsRxd [Oam Other Cells Rxd] (tAtmOamVclStatsOtherCellsRxd)	long	This value of tAtmOamVclStatsOtherCellsRxd indicates the number of oam cells that are received but not identified.
oamRDICellsRxd [Oam RDICells Rxd] (tAtmOamVclStatsRDICellsRxd)	long	The value of tAtmOamVclStatsRDICellsRxd indicates the number of RDI cells received on this VC for both end to end and segment.
oamRDICellsTxd [Oam RDICells Txd] (tAtmOamVclStatsRDICellsTxd)	long	The value of tAtmOamVclStatsRDICellsTxd indicates the number of RDI cells transmitted on this VC for both end to end and segment.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionStats</p> <p>MIB entry name: tAtmVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmVclStatisticsTable): The tAtmVclStatisticsTable is used to gather cell-level statistics on a particular VCL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
totalBytesRxd [Total Bytes Rxd] (tAtmVclStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesRxd indicates the number of bytes received by this Vcl. This is the number of tAtmVclStatsTotalCellsRxd multiplied by 53.
totalBytesTxd [Total Bytes Txd] (tAtmVclStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesTxd indicates the number of bytes transmitted by this Vcl. This is the number of tAtmVclStatsTotalCellsTxd multiplied by 53.
totalPacketsRxd [Total Packets Rxd] (tAtmVclStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsRxd indicates the number of valid ATM cells received by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
totalPacketsTxd [Total Packets Txd] (tAtmVclStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 245 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TCStats</p> <p>MIB entry name: atmInterfaceTCEntry</p> <p>Entry description: This list contains TC Sublayer parameters and state variables at the ATM interface and is indexed by the ifIndex value of the ATM interface.</p> <p>Table description (for atmInterfaceTCTable): This table contains ATM interface TC Sublayer parameters and state variables, one entry per ATM interface port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
ocdEvents [Ocd Events] (atmInterfaceOCDEvents)	long	The number of times the Out of Cell Delineation (OCD) events occur. If seven consecutive ATM cells have Header Error Control (HEC) violations, an OCD event occurs. A high number of OCD events may indicate a problem with the TC Sublayer.
<p>TCSubLayerStats</p> <p>MIB entry name: tAtmTCSublayerEntry</p> <p>Entry description: An entry in the tAtmTCSublayerEntry containing additional management information about the Transmission Coverage Sublayer.</p> <p>Table description (for tAtmTCSublayerTable): The tAtmTCSublayerTable contains the Transmission Convergence Sublayer data.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
hecErrors [Hec Errors] (tAtmTCSublayerHecErrors)	long	The value of tAtmTCSublayerHecErrors indicates the number of cells with uncorrectable HEC Errors on this interface.
hecErrorsFixed [Hec Errors Fixed] (tAtmTCSublayerHecErrorsFixed)	long	The value of tAtmTCSublayerHecErrorsFixed indicates the number of cells with correctable HEC Errors on this interface.

Table 246 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the established state or how long since this peer was last in the established state. It is set to zero when a new peer is configured or when the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtSuppPfxDamp indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer</p>		
bgpLsActivePfxs [Bgp Ls Active Pfxs] (tBgpPeerNgOperBgpLsActivePfxs)	long	The value of tBgpPeerNgOperBgpLsActivePfxs indicates the number of active bgp-ls prefixes from this peer.
bgpLsRecvPfxs [Bgp Ls Recv Pfxs] (tBgpPeerNgOperBgpLsRecvPfxs)	long	The value of tBgpPeerNgOperBgpLsRecvPfxs indicates the number of bgp-ls prefixes received from this peer.
bgpLsRejPfxs [Bgp Ls Rej Pfxs] (tBgpPeerNgOperBgpLsRejPfxs)	long	The value of tBgpPeerNgOperBgpLsRejPfxs indicates the number of bgp-ls prefixes rejected from this peer.
bgpLsSentPfxs [Bgp Ls Sent Pfxs] (tBgpPeerNgOperBgpLsSentPfxs)	long	The value of tBgpPeerNgOperBgpLsSentPfxs indicates the number of bgp-ls prefixes transmitted to this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpLsSupPfxDamp [Bgp Ls Sup Pfx Damp] (tBgpPeerNgOperBgpLsSupPfxDamp)	long	The value of tBgpPeerNgOperBgpLsSupPfxDamp indicates the number of bgp-ls prefixes from this peer, which have been suppressed by damping
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
I2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperI2VpnActivePfxs)	long	The value of tBgpPeerNgOperI2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
I2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperI2VpnRecvPfxs)	long	The value of tBgpPeerNgOperI2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
labelV4ActivePfxs [Label V4 Active Pfxs] (tBgpPeerNgOperLabelV4ActivePfxs)	long	The value of tBgpPeerNgOperLabelV4ActivePfxs indicates the number of active label-ipv4 prefixes from this peer.
labelV4BackupPfxs [Label V4 Backup Pfxs] (tBgpPeerNgOperLabelV4BackupPfxs)	long	The value of tBgpPeerNgOperLabelV4BackupPfxs indicates the number of label-ipv4 routes selected as backup from this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelV4RecvPfxs [Label V4 Recv Pfxs] (tBgpPeerNgOperLabelV4RecvPfxs)	long	The value of tBgpPeerNgOperLabelV4RecvPfxs indicates the number of label-ipv4 prefixes received from this peer.
labelV4RejPfxs [Label V4 Rej Pfxs] (tBgpPeerNgOperLabelV4RejPfxs)	long	The value of tBgpPeerNgOperLabelV4RejPfxs indicates the number of label-ipv4 prefixes rejected from this peer.
labelV4SentPfxs [Label V4 Sent Pfxs] (tBgpPeerNgOperLabelV4SentPfxs)	long	The value of tBgpPeerNgOperLabelV4SentPfxs indicates the number of label-ipv4 prefixes transmitted to this peer.
labelV4SupPfxDamp [Label V4 Sup Pfx Damp] (tBgpPeerNgOperLabelV4SupPfxDamp)	long	The value of tBgpPeerNgOperLabelV4SupPfxDamp indicates the number of label-ipv4 prefixes from this peer, which have been suppressed by damping.
labelV6ActivePfxs [Label V6 Active Pfxs] (tBgpPeerNgOperLabelV6ActivePfxs)	long	The value of tBgpPeerNgOperLabelV6ActivePfxs indicates the number of active label-ipv6 prefixes from this peer.
labelV6BackupPfxs [Label V6 Backup Pfxs] (tBgpPeerNgOperLabelV6BackupPfxs)	long	The value of tBgpPeerNgOperLabelV6BackupPfxs indicates the number of label-ipv6 routes selected as backup from this peer.
labelV6RecvPfxs [Label V6 Recv Pfxs] (tBgpPeerNgOperLabelV6RecvPfxs)	long	The value of tBgpPeerNgOperLabelV6RecvPfxs indicates the number of label-ipv6 prefixes received from this peer.
labelV6RejPfxs [Label V6 Rej Pfxs] (tBgpPeerNgOperLabelV6RejPfxs)	long	The value of tBgpPeerNgOperLabelV6RejPfxs indicates the number of label-ipv6 prefixes rejected from this peer.
labelV6SentPfxs [Label V6 Sent Pfxs] (tBgpPeerNgOperLabelV6SentPfxs)	long	The value of tBgpPeerNgOperLabelV6SentPfxs indicates the number of label-ipv6 prefixes transmitted to this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelV6SupPfxDamp [Label V6 Sup Pfx Damp] (tBgpPeerNgOperLabelV6SupPfxDamp)	long	The value of tBgpPeerNgOperLabelV6SupPfxDamp indicates the number of label-ipv6 prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SupPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SupPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.

Table 246 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 247 bundle statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BundleStats</p> <p>MIB entry name: tmnxBundleEntry</p> <p>Entry description: Each row entry represents a multilink bundle on a MDA. Entries can be created and deleted via SNMP SET operations using the tmnxBundleRowStatus object. The tmnxBundleBundleID will contain the bundle number encoded in it. The bundle number is unique for a MDA. For each tmnxBundleEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for tmnxBundleTable): The tmnxBundleTable has an entry for a bundle created on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.Interface</p>		
inputDiscards [Input Discards] (tmnxBundleInputDiscards)	long	tmnxBundleInputDiscards indicates the number of LCP packets that were discarded. This object is only supported for a tmnxBundleType value of mlppp.
upTime [Up Time] (tmnxBundleUpTime)	long	tmnxBundleUpTime indicates the time since the bundle is operationally 'inService'.
<p>MultiClassMlpppStats</p> <p>MIB entry name: tmnxMcMlpppStatsEntry</p> <p>Entry description: Defines an entry in tmnxMcMlpppStatsTable. Entries are created and deleted by the system depending on the number of classes being used by a given MLPPP bundle.</p> <p>Table description (for tmnxMcMlpppStatsTable): Defines the Nokia SROS series Multiclass MLPPP statistics table for providing the capability of retrieving the traffic statistics for the physical queues being used for a class of a multiclass MLPPP bundle to forward the traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.MultiClassMlpppSpecifics</p>		

Table 247 bundle statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcMlpppStatsEgressErrPkt [Mc Mlppp Stats Egress Err Pkt] (tmnxMcMlpppStatsEgressErrPkt)	long	The value of tmnxMcMlpppStatsEgressErrPkt indicates the total number of packets discarded due to segmentation errors on the bundle for the given class on egress.
mcMlpppStatsEgressOct [Mc Mlppp Stats Egress Oct] (tmnxMcMlpppStatsEgressOct)	long	The value of tmnxMcMlpppStatsEgressOct indicates the total number of octets in all packets received on the bundle for the given class on egress before segmentation.
mcMlpppStatsEgressPkt [Mc Mlppp Stats Egress Pkt] (tmnxMcMlpppStatsEgressPkt)	long	The value of tmnxMcMlpppStatsEgressPkt indicates the total number of packets forwarded on the bundle for the given class on egress towards the line.
mcMlpppStatsIngressErrPkt [Mc Mlppp Stats Ingress Err Pkt] (tmnxMcMlpppStatsIngressErrPkt)	long	The value of tmnxMcMlpppStatsIngressErrPkt indicates the total number of packets discarded due to reassembly errors on the bundle for the given class on ingress.
mcMlpppStatsIngressOct [Mc Mlppp Stats Ingress Oct] (tmnxMcMlpppStatsIngressOct)	long	The value of tmnxMcMlpppStatsIngressOct indicates the total number of octets in all packets received on the bundle for the given class on ingress before reassembly.
mcMlpppStatsIngressPkt [Mc Mlppp Stats Ingress Pkt] (tmnxMcMlpppStatsIngressPkt)	long	The value of tmnxMcMlpppStatsIngressPkt indicates the total number of packets forwarded on the bundle for the given class on ingress towards higher layer protocols.

Table 248 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AAGroupCflowdDirExpAddrStats</p> <p>MIB entry name: tmnxBsxCflowdDirExpStatEntry</p> <p>Entry description: Each tmnxBsxCflowdDirExpStatEntry contains the statistics for an Application Assurance Cflowd direct export collector within an Application Assurance group.</p> <p>Table description (for tmnxBsxCflowdDirExpStatTable): The tmnxBsxCflowdDirExpStatTable contains statistics on the Application Assurance Cflowd direct export collectors within an Application Assurance group. Rows in this table are automatically created and destroyed when collectors are created or destroyed in the tmnxBsxCflowdDirExpAddrTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCflowdDirExpAddr</p>		
discontinueTime [Discontinue Time] (tmnxBsxCflowdDirExpStatDscntTime)	long	The value of tmnxBsxCflowdDirExpStatDscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the direct export collector last changed status.
recordSent [Record Sent] (tmnxBsxCflowdDirExpStatRecSent)	java.math.BigInteger	The value of tmnxBsxCflowdDirExpStatRecSent indicates the total number of flow records sent to the remote Cflowd direct export collector.
<p>AAGroupCflowdStats</p> <p>MIB entry name: tmnxBsxCflowdStatusEntry</p> <p>Entry description: Each tmnxBsxCflowdStatusEntry contains the Cflowd status information for a particular group, Cflowd export type and ISA-AA MDA. An index with a valid tmnxBsxIsaAaGroupIndex and a valid tmnxBsxCflowdExpType, tmnxChassisIndex set to one, and a zero value for each of the tmnxBsxCardSlotNum/tmnxMDASlotNum indices will return the summarized per group status.</p> <p>Table description (for tmnxBsxCflowdStatusTable): The tmnxBsxCflowdStatusTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Cflowd status information per group and Cflowd export type for an ISA-AA MDA uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCflowd</p>		

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowCurrent [Active Flow Current] (tmnxBsxCflowdStatusActFlowsCurr)	long	The value of tmnxBsxCflowdStatusActFlowsCurr indicates the number of active flows currently marked for export using Cflowd in the ISA-AA MDA(s).
activeRateCurrent [Active Rate Current] (tmnxBsxCflowdStatusRecRateCurr)	long	The value of tmnxBsxCflowdStatusRecRateCurr indicates the number of flow records per second being exported using Cflowd from the ISA-AA MDA(s). The calculation is based on the number of flow records inserted into Cflowd packets within the last 10 seconds.
discontinueTime [Discontinue Time] (tmnxBsxCflowdStatusDiscontTime)	long	The value of tmnxBsxCflowdStatusDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
expType [Exp Type] (tmnxBsxCflowdExpType)	int	The value of tmnxBsxCflowdExpType specifies the type of the Application Assurance statistic exported using Cflowd.
flowExported [Flow Exported] (tmnxBsxCflowdStatusFlowsNoRes)	long	The value of tmnxBsxCflowdStatusFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflows resources in the ISA-AA MDA(s).
hcFlowExported [Hc Flow Exported] (tmnxBsxCflowdStatusHCFlowsNoRes)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflows resources in the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusFlowsNoRes.
hcPacketsSent [Hc Packets Sent] (tmnxBsxCflowdStatusHCPktsSent)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCPktsSent indicates the total number of Cflowd packets sent from the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusPktsSent.
hcRecDropped [Hc Rec Dropped] (tmnxBsxCflowdStatusHCRcDropped)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCRcDropped indicates the total number of flow records dropped in the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusRecDropped.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcRecReported [Hc Rec Reported] (tmnxBsxCflowdStatusHCRecReported)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCRecReported indicates the total number of flow records reported from the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusRecReported.
packetRateCurrent [Packet Rate Current] (tmnxBsxCflowdStatusPktRateCurr)	long	The value of tmnxBsxCflowdStatusPktRateCurr indicates the number of Cflowd packets per second being exported from the ISA-AA MDA(s). The calculation is based on the number of Cflowd packets generated within the last 10 seconds.
packetsSent [Packets Sent] (tmnxBsxCflowdStatusPktsSent)	long	The value of tmnxBsxCflowdStatusPktsSent indicates the total number of Cflowd packets sent from the ISA-AA MDA(s).
recDropped [Rec Dropped] (tmnxBsxCflowdStatusRecDropped)	long	The value of tmnxBsxCflowdStatusRecDropped indicates the total number of flow records dropped in the ISA-AA MDA(s).
recReported [Rec Reported] (tmnxBsxCflowdStatusRecReported)	long	The value of tmnxBsxCflowdStatusRecReported indicates the total number of flow records reported from the ISA-AA MDA(s).
<p>AAGroupCollectorStats</p> <p>MIB entry name: tmnxBsxCflowdCollStatEntry</p> <p>Entry description: Each tmnxBsxCflowdCollStatEntry contains the statistics for an Application Assurance Cflowd collector within an Application Assurance group.</p> <p>Table description (for tmnxBsxCflowdCollStatTable): The tmnxBsxCflowdCollStatTable contains statistics on the Application Assurance Cflowd collectors within an Application Assurance group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCollector</p>		
discontinueTime [Discontinue Time] (tmnxBsxCflowdCollStatDiscontTime)	long	The value of tmnxBsxCflowdCollStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the Cflowd collector has last changed status.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcRecordSent [Hc Record Sent] (tmnxBsxCflowdCollStatHCRecSent)	java. math. BigInteger	The value of tmnxBsxCflowdCollStatHCRecSent indicates the total number of flow records sent to the remote Cflowd collector. This object is the 64-bit version of tmnxBsxCflowdCollStatRecSent.
recordSent [Record Sent] (tmnxBsxCflowdCollStatRecSent)	long	The value of tmnxBsxCflowdCollStatRecSent indicates the total number of flow records sent to the remote Cflowd collector.
CflowdGeneralStats MIB entry name: tmnxCflowdGeneralObjs Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCflowd		
activeFlows [Active Flows] (tmnxCflowdActiveFlows)	long	The value of tmnxCflowdActiveFlows is a gauge that indicates the current number of active flows being collected.
droppedFlows [Dropped Flows] (tmnxCflowdGenDroppedFlows)	long	The value of tmnxCflowdGenDroppedFlows indicates the number of times a flow was dropped. Data from dropped flows are not reported to any collector.
genAggrFlowsCreated [Gen Aggr Flows Created] (tmnxCflowdGenAggrFlowsCreated)	long	The value of tmnxCflowdGenAggrFlowsCreated indicates the number of aggregate flows created by system.
genAggrFlowsFlushed [Gen Aggr Flows Flushed] (tmnxCflowdGenAggrFlowsFlushed)	long	The value of tmnxCflowdGenAggrFlowsFlushed indicates the number of aggregate flows flushed.
genAggrFlowsMatched [Gen Aggr Flows Matched] (tmnxCflowdGenAggrFlowsMatched)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of packets matched to an existing aggregate flow.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
genRawFlowsCreated [Gen Raw Flows Created] (tmnxCflowdGenRawFlowsCreated)	long	The value of tmnxCflowdGenRawFlowsCreated indicates the number of raw flows created by system.
genRawFlowsFlushed [Gen Raw Flows Flushed] (tmnxCflowdGenRawFlowsFlushed)	long	The value of tmnxCflowdGenRawFlowsFlushed indicates the number of raw flows flushed.
genRawFlowsMatched [Gen Raw Flows Matched] (tmnxCflowdGenRawFlowsMatched)	long	The value of tmnxCflowdGenRawFlowsMatched indicates the number of raw packets matched to an existing raw flow.
overflowEvents [Overflow Events] (tmnxCflowdGenOverflowEvents)	long	The value of tmnxCflowdGenOverflowEvents indicates the number of times the flow cache has entered the overflow state.
totalPktsDropped [Total Pkts Dropped] (tmnxCflowdTotalPktsDropped)	long	The value of tmnxCflowdTotalPktsDropped indicates the total number of packets dropped for Cflowd.
totalPktsRcvd [Total Pkts Rcvd] (tmnxCflowdTotalPktsRcvd)	long	The value of tmnxCflowdTotalPktsRcvd indicates the total number of packets received for Cflowd.
<p>CflowdPerfExpStats</p> <p>MIB entry name: tmnxBsxCflowdExpStatEntry</p> <p>Entry description: Each tmnxBsxCflowdExpStatEntry contains the statistics on the Cflowd export of Application Assurance per-flow volume, performance, or comprehensive records for an Application Assurance group and partition.</p> <p>Table description (for tmnxBsxCflowdExpStatTable): The tmnxBsxCflowdExpStatTable contains statistics on the Cflowd export of Application Assurance per-flow volume, performance, or comprehensive records within an Application Assurance group and partition.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.CflowdPerfExp</p>		

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discontinueTime [Discontinue Time] (tmnxBsxCflowdExpStatDiscontTime)	long	The value of tmnxBsxCflowdExpStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the export of cflowd records has last changed status.
expType [Exp Type] (tmnxBsxCflowdExpType)	int	The value of tmnxBsxCflowdExpType specifies the type of the Application Assurance statistic exported using Cflowd.
flowExported [Flow Exported] (tmnxBsxCflowdExpStatFlowsNoRes)	long	The value of tmnxBsxCflowdExpStatFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflowd resources.
hcFlowExported [Hc Flow Exported] (tmnxBsxCflowdExpStatHCFlowsNoRes)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflowd resources. This object is the 64-bit version of tmnxBsxCflowdExpStatFlowsNoRes.
hcRecDropped [Hc Rec Dropped] (tmnxBsxCflowdExpStatHCRecDropped)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCRecDropped indicates the total number of Cflowd flow records dropped. This object is the 64-bit version of tmnxBsxCflowdExpStatRecDropped.
hcRecReport [Hc Rec Report] (tmnxBsxCflowdExpStatHCRecReport)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCRecReport indicates the total number of flow records reported. This object is the 64-bit version of tmnxBsxCflowdExpStatRecReport.
recDropped [Rec Dropped] (tmnxBsxCflowdExpStatRecDropped)	long	The value of tmnxBsxCflowdExpStatRecDropped indicates the total number of flow records dropped.
recReport [Rec Report] (tmnxBsxCflowdExpStatRecReport)	long	The value of tmnxBsxCflowdExpStatRecReport indicates the total number of flow records reported.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type. Values: ipv4 (1) - IPv4 unicast/multicast sampling mpls (2) - MPLS ipv6 (3) - IPv6 unicast/multicast sampling I2 (4) - Layer 2
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV5Stats</p> <p>MIB entry name: tmnxCFHostCollV5StatsEntry</p> <p>Entry description: The tmnxCFHostCollV5StatsEntry contains the statistics information pertaining to the specified remote collector host.</p> <p>Table description (for tmnxCFHostCollV5StatsTable): The tmnxCFHostCollV5StatsTable consists of the version 5 statistics for a particular remote collector host. This table replaces tmnxCflowdV5StatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnxCFHostCollV5ErrorPackets)	long	The value of tmnxCFHostCollV5ErrorPackets indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnxCFHostCollV5OpenPackets)	long	The value of tmnxCFHostCollV5OpenPackets indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnxCFHostCollV5SentPackets)	long	The value of tmnxCFHostCollV5SentPackets indicates the number of packets transmitted for the specified remote collector host.
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnxCFHostCollAggrStatsEntry</p> <p>Entry description: The tmnxCFHostCollAggrStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnxCFHostCollAggrStatsTable): The tmnxCFHostCollAggrStatsTable consists of the overall statistics for a remote collector host based on aggregation type. This table replaces tmnxCflowdAggregationStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggPacketErrors [Agg Packet Errors] (tmnxCFHostCollAggrErrorPackets)	long	The value of tmnxCFHostCollAggrErrorPackets indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCFHostCollAggrOpenPackets)	long	The value of tmnxCFHostCollAggrOpenPackets indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCFHostCollAggrSentPackets)	long	The value of tmnxCFHostCollAggrSentPackets indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCFHostCollAggrIndex)	int	The value of tmnxCFHostCollAggrIndex specifies the row in the tmnxCFHostCollAggrStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCFHostCollAggrStatus)	int	The value of tmnxCFHostCollAggrStatus indicates whether or not the aggregation is in use in the remote collector host entry.
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.

Table 248 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type. Values: ipv4 (1) - IPv4 unicast/multicast sampling mpls (2) - MPLS ipv6 (3) - IPv6 unicast/multicast sampling l2 (4) - Layer 2
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 249 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AddressPoolMinFreeThresholdStats</p> <p>MIB entry name: tmnxDhcpsPITHStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPITHStats6Entry represents additional columns of threshold statistics for a pool that belongs to the specified DHCPv6 server instance.</p> <p>Table description (for tmnxDhcpsPITHStats6Table): The table tmnxDhcpsPITHStats6Table contains the threshold statistics for each pool belonging to the specified DHCPv6 instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.AddressPoolMinFreeThreshold</p>		
currFreeBlks [Curr Free Blks] (tmnxDhcpsPITHCurrFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPITHCurrFreeBlksLw indicates the lower 64-bits word of the number of used blocks in this pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen. The value of this object reflects the part of the address space in this pool that is actually in use by this server instance. If the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object is the sum of the corresponding local and remote objects. Otherwise the value of this object equals the value of corresponding local object only.
currFreeDepleted [Curr Free Depleted] (tmnxDhcpsPITHCurrFreeDepleted)	boolean	The value of the object tmnxDhcpsPITHCurrFreeDepleted equals '1' if there are no more prefixes with the minimum free threshold length available in the pool. Otherwise the value equals '2'.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currFreePct [Curr Free Pct] (tmnxDhcpsPIThCurrFreePct)	long	The value of the object tmnxDhcpsPIThCurrFreePct indicates the percentage of free prefixes with the minimum free threshold length in the pool compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currFreeTooLow [Curr Free Too Low] (tmnxDhcpsPIThCurrFreeTooLow)	boolean	The value of the object tmnxDhcpsPIThCurrFreeTooLow equals '1' if the number of free prefixes with the minimum free threshold length available in the pool is below the configured number of prefixes with the minimum free threshold length. Otherwise the value equals '2'.
currProvBlks [Curr Prov Blks] (tmnxDhcpsPIThCurrProvBlksLw)	java.math.BigInteger	The value of the object tmnxDhcpsPIThCurrProvBlksLw indicates the lower 64-bits word of the number of provisioned blocks in this pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen. The value of this object reflects the part of the address space in this pool that is actually in use by this server instance. If the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object is the sum of the corresponding local and remote objects. Otherwise the value of this object equals the value of corresponding local object only.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currUsedBlks [Curr Used Blks] (tmnxDhcpsPIThCurrUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThCurrUsedBlksLw indicates the lower 64-bits word of the number of used blocks in this pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen. The value of this object reflects the part of the address space in this pool that is actually in use by this server instance. If the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object is the sum of the corresponding local and remote objects. Otherwise the value of this object equals the value of corresponding local object only.
currUsedPct [Curr Used Pct] (tmnxDhcpsPIThCurrUsedPct)	long	The value of the object tmnxDhcpsPIThCurrUsedPct indicates the percentage of used prefixes with the minimum free threshold length in the pool compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakBlks [Curr Used Peak Blks] (tmnxDhcpsPIThCurrUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThCurrUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used blocks in the pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen.
currUsedPeakPct [Curr Used Peak Pct] (tmnxDhcpsPIThCurrUsedPeakPct)	long	The value of the object tmnxDhcpsPIThCurrUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the pool as a percentage of the provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakTime [Curr Used Peak Time] (tmnxDhcpsPIThCurrUsedPeakTime)	long	The value of the object tmnxDhcpsPIThCurrUsedPeakTime indicates the time at which the peak value of the number of used prefixes in the pool was reached.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lclFreeBlks [Lcl Free Blks] (tmnxDhcpsPIThLclFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length local in the pool.
lclProvBlks [Lcl Prov Blks] (tmnxDhcpsPIThLclProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length local in the pool.
lclUsedBlks [Lcl Used Blks] (tmnxDhcpsPIThLclUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length local in the pool.
lclUsedPeakBlks [Lcl Used Peak Blks] (tmnxDhcpsPIThLclUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length local in the pool.
lclUsedPeakPct [Lcl Used Peak Pct] (tmnxDhcpsPIThLclUsedPeakPct)	long	The value of the object tmnxDhcpsPIThLclUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length local in the pool as a percentage of the provisioned prefixes.
lclUsedPeakTime [Lcl Used Peak Time] (tmnxDhcpsPIThLclUsedPeakTime)	long	The value of the object tmnxDhcpsPIThLclUsedPeakTime indicates the time at which the peak value of the number of used prefixes local in the pool was reached.
peakResetTime [Peak Reset Time] (tmnxDhcpsPIThPeakResetTime)	long	The value of the object tmnxDhcpsPIThPeakResetTime indicates the time at which the peak values have been reset.
remFreeBlks [Rem Free Blks] (tmnxDhcpsPIThRemFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThRemFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length remote in the pool.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remProvBlks [Rem Prov Blks] (tmnxDhcpsPITHRemProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPITHRemProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length remote in the pool.
remUsedBlks [Rem Used Blks] (tmnxDhcpsPITHRemUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPITHRemUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length remote in the pool.
remUsedPeakBlks [Rem Used Peak Blks] (tmnxDhcpsPITHRemUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPITHRemUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length remote in the pool.
remUsedPeakPct [Rem Used Peak Pct] (tmnxDhcpsPITHRemUsedPeakPct)	long	The value of the object tmnxDhcpsPITHRemUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length remote in the pool as a percentage of the provisioned prefixes.
remUsedPeakTime [Rem Used Peak Time] (tmnxDhcpsPITHRemUsedPeakTime)	long	The value of the object tmnxDhcpsPITHRemUsedPeakTime indicates the time at which the peak value of the number of used prefixes remote in the pool was reached.
validData [Valid Data] (tmnxDhcpsPITHValidData)	boolean	The value of the object tmnxDhcpsPITHValidData indicates the actual status of the threshold statistics data of the pool. '1' means that the data is up to date and may be used. '2' means that the data is being recalculated in the background and isn't stable for further use.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcp6ServerPoolStats</p> <p>MIB entry name: tmnxDhcpsPoolStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPoolStats6Table represents additional columns of operational data for a pool that belongs to the specified DHCPv6 server instance. The value of these columns is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.</p> <p>Table description (for tmnxDhcpsPoolStats6Table): The tmnxDhcpsPoolStats6Table has an entry for each pool that belongs to the specified DHCPv6 server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Address6Pool</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpsPoolStats6Advertise)	long	The value of tmnxDhcpsPoolStats6Advertise indicates the number of local leases in this pool that are in state 'advertised'.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpsPoolStats6HasExt)	boolean	The value of tmnxDhcpsPoolStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.
freeBlocks [Free Blocks] (tmnxDhcpsPoolStats6FreeBlk)	java.math.BigInteger	The value of tmnxDhcpsPoolStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpsPoolStats6AdvertP)	long	The value of tmnxDhcpsPoolStats6AdvertP indicates the highest value of tmnxDhcpsPoolStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPctP)	int	The value of tmnxDhcpsPoolStats6UsedPctP indicates the highest value of tmnxDhcpsPoolStats6UsedPct since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValRemoteAdvertisedLeases [Highest Val Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertP)	long	The value of tmnxDhcpsPoolStats6FoAdvertP indicates the highest value of tmnxDhcpsPoolStats6FoAdvertise since the last reset of the extended statistics.
highestValRemotePctBlocksInUse [Highest Val Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPctP)	int	The value of tmnxDhcpsPoolStats6FoUsedPctP indicates the highest value of tmnxDhcpsPoolStats6FoUsedPct since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpsPoolStats6FoStableP)	long	The value of tmnxDhcpsPoolStats6FoStableP indicates the highest value of tmnxDhcpsPoolStats6FoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpsPoolStats6StableP)	long	The value of tmnxDhcpsPoolStats6StableP indicates the highest value of tmnxDhcpsPoolStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpsPoolStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FreeBlk since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpsPoolStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6UsedBlk since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePctP)	int	The value of tmnxDhcpsPoolStats6FreePctP indicates the lowest value of tmnxDhcpsPoolStats6FreePct since the last reset of the extended statistics.
lowestValRemoteFreeBlocks [Lowest Val Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoFreeBlk since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemotePctBlocksUnused [Lowest Val Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePctP)	int	The value of tmnxDhcpsPoolStats6FoFreePctP indicates the lowest value of tmnxDhcpsPoolStats6FoFreePct since the last reset of the extended statistics.
lowestValRemoteUnusedBlocks [Lowest Val Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoUsedBlk since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPct)	int	The value of tmnxDhcpsPoolStats6UsedPct indicates the percentage of /64 blocks currently in use.
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePct)	int	The value of tmnxDhcpsPoolStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpsPoolStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6ProvBlk indicates the number of provisioned /64 blocks.
remoteAdvertisedLeases [Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertise)	long	The value of tmnxDhcpsPoolStats6FoAdvertise indicates the number of remote leases in this pool that are in state 'advertised'.
remoteFreeBlocks [Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlk indicates the remote number of provisioned but unused /64 blocks.
remotePctBlocksInUse [Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPct)	int	The value of tmnxDhcpsPoolStats6FoUsedPct indicates the percentage of remote /64 blocks currently in use.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remotePctBlocksUnused [Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePct)	int	The value of tmnxDhcpsPoolStats6FoFreePct indicates the percentage of remote /64 blocks currently unused.
remoteProvisionedBlocks [Remote Provisioned Blocks] (tmnxDhcpsPoolStats6FoProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoProvBlk indicates the remote number of provisioned /64 blocks.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpsPoolStats6FoStable)	long	The value of tmnxDhcpsPoolStats6FoStable indicates the number of remote leases in this pool that are in state 'stable'.
remoteUnusedBlocks [Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlk indicates the remote number of provisioned but unused /64 blocks.
slaacPrefixInternalRequests [Slaac Prefix Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxSlaa)	long	The value of tmnxDhcpsPoolStats6IntNoPfxSlaa indicates the number of times the following event occurred: an internal request for a SLAAC prefix (IA_PD (Identity Association for Prefix Delegation)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
stableLeases [Stable Leases] (tmnxDhcpsPoolStats6Stable)	long	The value of tmnxDhcpsPoolStats6Stable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpsPoolStats6ExtResetT)	long	The value of tmnxDhcpsPoolStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpsPoolStats6AdvertPT)	long	The value of tmnxDhcpsPoolStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6AdvertPT.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpsPoolStats6FreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FreeBlkP.
timeSinceLastRemoteAdvertisedLeases [Time Since Last Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertPT)	long	The value of tmnxDhcpsPoolStats6FoAdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoAdvertP.
timeSinceLastRemoteFreeBlocks [Time Since Last Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FoFreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoFreeBlkP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpsPoolStats6FoStablePT)	long	The value of tmnxDhcpsPoolStats6FoStablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoStableP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpsPoolStats6StablePT)	long	The value of tmnxDhcpsPoolStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6StableP.
unusedBlocks [Unused Blocks] (tmnxDhcpsPoolStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlk indicates the number of provisioned but unused /64 blocks.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wanAddressInternalRequests [Wan Address Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxWan)	long	The value of tmnxDhcpsPoolStats6IntNoPfxWan indicates the number of times the following event occurred: an internal request for a WAN address (IA_NA (Identity association for non-temporary addresses)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
<p>LocalDhcp6ServerPrefixStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStats6Table represents additional columns of operational data for a subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStats6Table): The tmnxDhcpSvrSubnetStats6Table has an entry for each subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Dhcp6AddressPrefix</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpSvrSubnetStats6Advertise)	long	The value of tmnxDhcpSvrSubnetStats6Advertise indicates the number of leases in this subnet that are in state 'advertised'.
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStats6Declined)	long	The value of tmnxDhcpSvrSubnetStats6Declined indicates the number of addresses in this subnet that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrSubnetStats6HasExt)	boolean	The value of tmnxDhcpSvrSubnetStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
freeBlocks [Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertP)	long	The value of tmnxDhcpSvrSubnetStats6AdvertP indicates the highest value of tmnxDhcpSvrSubnetStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctP)	int	The value of tmnxDhcpSvrSubnetStats6UsedPctP indicates the highest value of tmnxDhcpSvrSubnetStats6UsedPct since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStats6StableP)	long	The value of tmnxDhcpSvrSubnetStats6StableP indicates the highest value of tmnxDhcpSvrSubnetStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctP)	int	The value of tmnxDhcpSvrSubnetStats6FreePctP indicates the lowest value of tmnxDhcpSvrSubnetStats6FreePct since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPct)	int	The value of tmnxDhcpSvrSubnetStats6UsedPct indicates the percentage of /64 blocks currently in use.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePct)	int	The value of tmnxDhcpSvrSubnetStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpSvrSubnetStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6ProvBlk indicates the number of provisioned /64 blocks.
reconfigurePendingLeases [Reconfigure Pending Leases] (tmnxDhcpSvrSubnetStats6RCPending)	long	The value of tmnxDhcpSvrSubnetStats6RCPending indicates the number of leases in this subnet that are in state 'reconfigurePending'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStats6RmPending)	long	The value of tmnxDhcpSvrSubnetStats6RmPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStats6Stable)	long	The value of tmnxDhcpSvrSubnetStats6Stable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStats6ExtResetT)	long	The value of tmnxDhcpSvrSubnetStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertPT)	long	The value of tmnxDhcpSvrSubnetStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6AdvertP.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreeBlkP.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctBlocksInUse [Time Since Last Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedPctP.
timeSinceLastPctBlocksUnused [Time Since Last Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctPT)	long	The value of tmnxDhcpSvrSubnetStats6FreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreePctP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStats6StablePT)	long	The value of tmnxDhcpSvrSubnetStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6StableP.
timeSinceLastUnusedBlocks [Time Since Last Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedBlkP.
unusedBlocks [Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlk indicates the number of provisioned but unused /64 blocks.
<p>LocalDhcp6ServerStats</p> <p>MIB entry name: tmnxDhcpServerStats6Entry</p> <p>Entry description: Each row entry contains basic statistics about a particular DHCP server instance.</p> <p>Table description (for tmnxDhcpServerStats6Table): The tmnxDhcpServerStats6Table contains basic statistics about the DHCPv6 server instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcp6Server</p>		
clientIgnoredOffers [Client Ignored Offers] (tmnxDhcpSvrStats6OffersIgnore)	long	The value of tmnxDhcpSvrStats6OffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dhcpSvrStats6DropAudit [Dhcp Svr Stats 6 Drop Audit] (tmnxDhcpSvrStats6DropAudit)	java. math. BigInteger	The value of tmnxDhcpSvrStats6DropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.
dhcpSvrStats6DropLqNotAllowed [Dhcp Svr Stats 6 Drop Lq Not Allow] (tmnxDhcpSvrStats6DropLqNotAllowed)	long	The value of tmnxDhcpSvrStats6DropLqNotAllowed indicates the number of DHCP leasequery packets dropped by the server instance because the server is configured not to allow leasequery packets.
dhcpSvrStats6RxLeaseQueries [Dhcp Svr Stats 6 Rx Lease Queries] (tmnxDhcpSvrStats6RxLeasequeries)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxLeasequeries indicates the number of leasequery messages received by the DHCP server instance.
dhcpSvrStats6TxLqReplies [Dhcp Svr Stats 6 Tx Lq Replies] (tmnxDhcpSvrStats6TxLqReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxLqReplies indicates the number of leasequery-reply messages sent by the DHCP server instance.
droppedBadPacket [Dropped Bad Packet] (tmnxDhcpSvrStats6DropBadPackets)	long	The value of tmnxDhcpSvrStats6DropBadPackets indicates the number of DHCP packets received which were corrupt.
droppedDestinedToOther [Dropped Destined To Other] (tmnxDhcpSvrStats6DropDestOther)	long	The value of tmnxDhcpSvrStats6DropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
droppedGenericError [Dropped Generic Error] (tmnxDhcpSvrStats6DropGenError)	long	The value of tmnxDhcpSvrStats6DropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
droppedInternalConflicts [Dropped Internal Conflicts] (tmnxDhcpSvrStats6DropIntWConflict)	long	The value of tmnxDhcpSvrStats6DropIntWConflict indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInternalFailover [Dropped Internal Failover] (tmnxDhcpSvrStats6DropIntWfo)	long	The value of tmnxDhcpSvrStats6DropIntWfo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
droppedInternalIntIdMap [Dropped Internal Int Id Map] (tmnxDhcpSvrStats6DropIntWifldMap)	long	The value of tmnxDhcpSvrStats6DropIntWifldMap indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because interface ID mapping is enabled for the server instance.
droppedInternalUserIdent [Dropped Internal User Ident] (tmnxDhcpSvrStats6DropIntWuserId)	long	The value of tmnxDhcpSvrStats6DropIntWuserId indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because tmnxDhcpServerCfgUserIdent is not set to duid (2) for the server instance.
droppedInvalidType [Dropped Invalid Type] (tmnxDhcpSvrStats6DropInvldTypes)	long	The value of tmnxDhcpSvrStats6DropInvldTypes indicates the number of DHCP packets received which had an invalid message type.
droppedLeaseNotReady [Dropped Lease Not Ready] (tmnxDhcpSvrStats6DropLseNotReady)	long	The value of tmnxDhcpSvrStats6DropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
droppedMaxLeasesReached [Dropped Max Leases Reached] (tmnxDhcpSvrStats6DropMaxReached)	long	The value of tmnxDhcpSvrStats6DropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
droppedNotServingPool [Dropped Not Serving Pool] (tmnxDhcpSvrStats6DropNoSrvngPool)	long	The value of tmnxDhcpSvrStats6DropNoSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOverload [Dropped Overload] (tmnxDhcpSvrStats6DropOverload)	long	The value of tmnxDhcpSvrStats6DropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
droppedPersistenceOverload [Dropped Persistence Overload] (tmnxDhcpSvrStats6DropPerOverload)	long	The value of tmnxDhcpSvrStats6DropPerOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
droppedServerShutdown [Dropped Server Shutdown] (tmnxDhcpSvrStats6DropSvrDown)	long	The value of tmnxDhcpSvrStats6DropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
duplicateRequestDropped [Duplicate Request Dropped] (tmnxDhcpSvrStats6DropDuplDiffRly)	long	The value of tmnxDhcpSvrStats6DropDuplDiffRly indicates the number of DHCP requests dropped by the server instance because they were received from a different Relay IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
leasesTimedOut [Leases Timed Out] (tmnxDhcpSvrStats6LeasesExpired)	long	The value of tmnxDhcpSvrStats6LeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
receivedConfirmPackets [Received Confirm Packets] (tmnxDhcpSvrStats6RxConfirms)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxConfirms indicates the number of confirm messages received by the DHCP server instance.
receivedDeclinePackets [Received Decline Packets] (tmnxDhcpSvrStats6RxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxDeclines indicates the number of decline messages received by the DHCP server instance.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedInformationRequestPackets [Received Information Request Packets] (tmnxDhcpSvrStats6RxInfRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxInfRequests indicates the number of information-request messages received by the DHCP server instance.
receivedIntIpoeWanRequests [Received Int Ipoe Wan Requests] (tmnxDhcpSvrStats6RxIntReqIpoeWan)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReqIpoeWan indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE.
receivedIntPppSlaacRequests [Received Int Ppp Slaac Requests] (tmnxDhcpSvrStats6RxIntPppSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntPppSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for PPP SLAAC (stateless autoconfiguration).
receivedInternalReleases [Received Internal Releases] (tmnxDhcpSvrStats6RxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.
receivedIpoeSlaacRequests [Received Ipoe Slaac Requests] (tmnxDhcpSvrStats6RxIntIpoeSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntIpoeSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE SLAAC (stateless autoconfiguration).
receivedRebindPackets [Received Rebind Packets] (tmnxDhcpSvrStats6RxRebinds)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRebinds indicates the number of rebind messages received by the DHCP server instance.
receivedReleasePackets [Received Release Packets] (tmnxDhcpSvrStats6RxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxReleases indicates the number of release messages received by the DHCP server instance.
receivedRenewPackets [Received Renew Packets] (tmnxDhcpSvrStats6RxRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRenews indicates the number of renew messages received by the DHCP server instance.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedRequestPackets [Received Request Packets] (tmnxDhcpSvrStats6RxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRequests indicates the number of request messages received by the DHCP server instance.
receivedSolicitPackets [Received Solicit Packets] (tmnxDhcpSvrStats6RxSolicits)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxSolicits indicates the number of solicit messages received by the DHCP server instance.
sentAdvertisePackets [Sent Advertise Packets] (tmnxDhcpSvrStats6TxAdvertises)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of advertise messages sent by the DHCP server instance.
sentReconfigurePackets [Sent Reconfigure Packets] (tmnxDhcpSvrStats6TxReconfigures)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReconfigures indicates the number of reconfigure messages sent by the DHCP server instance.
sentReplyPackets [Sent Reply Packets] (tmnxDhcpSvrStats6TxReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReplies indicates the number of reply messages sent by the DHCP server instance.
<p>LocalDhcpPoolFailoverStats</p> <p>MIB entry name: tmnxDhcpsPoolFoStatsEntry</p> <p>Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Address Pool instance. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxDhcpsPoolFoStatsTable): The tmnxDhcpsPoolFoStatsTable contains statistics about the DHCP Address Pool failover facility.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcpPoolFailover</p>		

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsPoolFoStatsAddrConflict)	long	The value of tmnxDhcpsPoolFoStatsAddrConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsPoolFoStatsDropInvPkts)	long	The value of tmnxDhcpsPoolFoStatsDropInvPkts indicates how many BNDUPD packets were dropped because the packet was malformed.
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsPoolFoStatsHostConflict)	long	The value of tmnxDhcpsPoolFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsPoolFoStatsExpired)	long	The value of tmnxDhcpsPoolFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsPoolFoStatsLeaseNotFound)	long	The value of tmnxDhcpsPoolFoStatsLeaseNotFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsPoolFoStatsMaxReached)	long	The value of tmnxDhcpsPoolFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsPoolFoStatsPeerConflict)	long	The value of tmnxDhcpsPoolFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP Address Pool instance.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsPoolFoStatsPersistCong)	long	The value of tmnxDhcpsPoolFoStatsPersistCong indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP Address Pool instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsPoolFoStatsRangeNFound)	long	The value of tmnxDhcpsPoolFoStatsRangeNFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.
shutdownPkts [Shutdown Pkts] (tmnxDhcpsPoolFoStatsFoShutdown)	long	The value of tmnxDhcpsPoolFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsPoolFoStatsSubnetNFound)	long	The value of tmnxDhcpsPoolFoStatsSubnetNFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.
<p>LocalDhcpServerFailoverStats MIB entry name: tmnxDhcpsFoStatsEntry Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Server instance. Rows are created or removed automatically by the system. Table description (for tmnxDhcpsFoStatsTable): The tmnxDhcpsFoStatsTable contains statistics about the DHCP failover facility. The tmnxDhcpsFoStatsTable has an entry for each DHCP server instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServerFailover</p>		
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsFoStatsAddressConflict)	long	The value of tmnxDhcpsFoStatsAddressConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsFoStatsDropInvalidPkts)	long	The value of tmnxDhcpsFoStatsDropInvalidPkts indicates how many BNDUPD packets were dropped because the packet was malformed.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsFoStatsHostConflict)	long	The value of tmnxDhcpsFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsFoStatsExpired)	long	The value of tmnxDhcpsFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsFoStatsLeaseNotFound)	long	The value of tmnxDhcpsFoStatsLeaseNotFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsFoStatsMaxReached)	long	The value of tmnxDhcpsFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsFoStatsPeerConflict)	long	The value of tmnxDhcpsFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance.
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsFoStatsPersistCongest)	long	The value of tmnxDhcpsFoStatsPersistCongest indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP server instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsFoStatsRangeNotFound)	long	The value of tmnxDhcpsFoStatsRangeNotFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
shutdownPkts [Shutdown Pkts] (tmnxDhcpsFoStatsFoShutdown)	long	The value of tmnxDhcpsFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsFoStatsSubnetNotFound)	long	The value of tmnxDhcpsFoStatsSubnetNotFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.
<p>LocalDhcpServerPoolStats MIB entry name: tmnxDhcpSvrPoolStatsEntry Entry description: Each row entry in the tmnxDhcpSvrPoolStatsTable represents additional columns of operational data for a pool that belongs to the specified DHCP server instance. Table description (for tmnxDhcpSvrPoolStatsTable): The tmnxDhcpSvrPoolStatsTable has an entry for each pool that belongs to the specified DHCP server instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.AddressPool</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrPoolStatsDeclined)	long	The value of tmnxDhcpSvrPoolStatsDeclined indicates the number of addresses in this pool that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrPoolStatsHasExt)	boolean	The value of tmnxDhcpSvrPoolStatsHasExt indicates whether the extended statistics collection for this pool is enabled.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFRPending)	long	The value of tmnxDhcpSvrPoolStatsFRPending indicates the number of leases in this pool that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrPoolStatsFree)	long	The value of tmnxDhcpSvrPoolStatsFree indicates the number of addresses in this pool that are free.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrPoolStatsOfferP)	long	The value of tmnxDhcpSvrPoolStatsOfferP indicates the highest value of tmnxDhcpSvrPoolStatsOffered since the last reset of the extended statistics.
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctP)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrPoolStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctP)	int	The value of tmnxDhcpSvrPoolStatsUsedPctP indicates the highest value of tmnxDhcpSvrPoolStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferP)	long	The value of tmnxDhcpSvrPoolStatsFoOfferP indicates the highest value of tmnxDhcpSvrPoolStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStableP)	long	The value of tmnxDhcpSvrPoolStatsFoStableP indicates the highest value of tmnxDhcpSvrPoolStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrPoolStatsStableP)	long	The value of tmnxDhcpSvrPoolStatsStableP indicates the highest value of tmnxDhcpSvrPoolStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrPoolStatsProv)	long	The value of tmnxDhcpSvrPoolStatsProv indicates the total number of local addresses in this pool that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctP)	int	The value of tmnxDhcpSvrPoolStatsFreePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctP)	int	The value of tmnxDhcpSvrPoolStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFoFrePct since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedP)	long	The value of tmnxDhcpSvrPoolStatsFoUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrPoolStatsUsedP)	long	The value of tmnxDhcpSvrPoolStatsUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrPoolStatsOffered)	long	The value of tmnxDhcpSvrPoolStatsOffered indicates the number of leases in this pool that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePct)	int	The value of tmnxDhcpSvrPoolStatsFreePct indicates the percentage of subnets currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePct)	int	The value of tmnxDhcpSvrPoolStatsFoFrePct indicates the percentage of remote subnets currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPct)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPct indicates the percentage of remote subnets currently in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPct)	int	The value of tmnxDhcpSvrPoolStatsUsedPct indicates the percentage of subnets currently in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrPoolStatsFreeP)	long	The value of tmnxDhcpSvrPoolStatsFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreeP)	long	The value of tmnxDhcpSvrPoolStatsFoFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrPoolStatsFoDeclined)	long	The value of tmnxDhcpSvrPoolStatsFoDeclined indicates the number of remote addresses in this pool that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFoFRPend)	long	The value of tmnxDhcpSvrPoolStatsFoFRPend indicates the number of remote leases in this pool that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFree)	long	The value of tmnxDhcpSvrPoolStatsFoFree indicates the number of remote addresses in this pool that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOffered)	long	The value of tmnxDhcpSvrPoolStatsFoOffered indicates the number of remote leases in this pool that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrPoolStatsFoProv)	long	The value of tmnxDhcpSvrPoolStatsFoProv indicates the total number of remote addresses in this pool that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrPoolStatsFoRemPend)	long	The value of tmnxDhcpSvrPoolStatsFoRemPend indicates the number of remote leases in this pool that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStable)	long	The value of tmnxDhcpSvrPoolStatsFoStable indicates the number of remote leases in this pool that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrPoolStatsRemPending)	long	The value of tmnxDhcpSvrPoolStatsRemPending indicates the number of leases in this pool that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrPoolStatsStable)	long	The value of tmnxDhcpSvrPoolStatsStable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrPoolStatsExtResetT)	long	The value of tmnxDhcpSvrPoolStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrPoolStatsFreePT)	long	The value of tmnxDhcpSvrPoolStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrPoolStatsOfferPT)	long	The value of tmnxDhcpSvrPoolStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctPT)	long	The value of tmnxDhcpSvrPoolStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctPT)	long	The value of tmnxDhcpSvrPoolStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFrePctP.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreePT)	long	The value of tmnxDhcpSvrPoolStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferPT)	long	The value of tmnxDhcpSvrPoolStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStablePT)	long	The value of tmnxDhcpSvrPoolStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsedP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrPoolStatsUsedPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedP.
timeSinceStableLeases [Time Since Stable Leases] (tmnxDhcpSvrPoolStatsStablePT)	long	The value of tmnxDhcpSvrPoolStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsStableP.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrPoolStatsUsed)	long	The value of tmnxDhcpSvrPoolStatsUsed indicates the number of provisioned and used subnets.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrPoolStatsFoUsed)	long	The value of tmnxDhcpSvrPoolStatsFoUsed indicates the number of provisioned and used remote subnets.
<p>LocalDhcpServerStats MIB entry name: tmnxDhcpServerStatsEntry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServer</p>		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
dropAudit [Drop Audit] (tmnxDhcpSvrStatsDropAudit)	long	The value of tmnxDhcpSvrStatsDropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropIntConflicts [Drop Int Conflicts] (tmnxDhcpSvrStatsDropIntConflicts)	long	The value of tmnxDhcpSvrStatsDropIntConflicts indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.
dropMaxReached [Drop Max Reached] (tmnxDhcpSvrStatsDropMaxReached)	long	The value of tmnxDhcpSvrStatsDropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
dropNoSubnet [Drop No Subnet] (tmnxDhcpSvrStatsDropNoSubnet)	long	The value of tmnxDhcpSvrStatsDropNoSubnet indicates the number of DHCP packets dropped by the server instance for user-db hosts with a fixed address because the subnet to which the address belongs is not configured.
dropSvrDown [Drop Svr Down] (tmnxDhcpSvrStatsDropSvrDown)	long	The value of tmnxDhcpSvrStatsDropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
dropTxFailed [Drop Tx Failed] (tmnxDhcpSvrStatsDropTxFailed)	long	The value of tmnxDhcpSvrStatsDropTxFailed indicates the number of DHCP responses dropped because this server instance could not transmit it.
droppedDhcpReqDiffGatewayIP [Dropped Dhcp Req Diff Gateway IP] (tmnxDhcpSvrStatsDropDuplDiffGi)	long	The value of tmnxDhcpSvrStatsDropDuplDiffGi indicates the number of DHCP requests dropped by the server instance because they were received from a different Gateway IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalCallsFailoverDropped [Internal Calls Failover Dropped] (tmnxDhcpSvrStatsDropIntWithFo)	long	The value of tmnxDhcpSvrStatsDropIntWithFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
internalCallsLocalUserDbDropped [Internal Calls Local User Db Dropped] (tmnxDhcpSvrStatsDropIntWithLudb)	long	The value of tmnxDhcpSvrStatsDropIntWithLudb indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because a local user database is attached to the server instance.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCPOFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpInternalReleases [Received Dhcp Internal Releases] (tmnxDhcpSvrStatsRxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDhcpInternalRequests [Received Dhcp Internal Requests] (tmnxDhcpSvrStatsRxIntRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntRequests indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUse-GiAddress was disabled.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllow)	long	The value of tmnxDhcpSvrStatsDropUserNotAllow indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrSubnetStatsOfferP)	long	The value of tmnxDhcpSvrSubnetStatsOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsOffered since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctP)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrSubnetStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctP)	int	The value of tmnxDhcpSvrSubnetStatsUsedPctP indicates the highest value of tmnxDhcpSvrSubnetStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferP)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStableP)	long	The value of tmnxDhcpSvrSubnetStatsFoStableP indicates the highest value of tmnxDhcpSvrSubnetStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStatsStableP)	long	The value of tmnxDhcpSvrSubnetStatsStableP indicates the highest value of tmnxDhcpSvrSubnetStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrSubnetStatsProv)	long	The value of tmnxDhcpSvrSubnetStatsProv indicates the total number of local addresses in this subnet that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctP)	int	The value of tmnxDhcpSvrSubnetStatsFreePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctP)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedP)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoUsed since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrSubnetStatsUsedP)	long	The value of tmnxDhcpSvrSubnetStatsUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsUsed since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePct)	int	The value of tmnxDhcpSvrSubnetStatsFreePct indicates the percentage of addresses in this subnet currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePct)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePct indicates the percentage of remote addresses in this subnet that are currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPct)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPct indicates the percentage of remote addresses in this subnet that are in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPct)	int	The value of tmnxDhcpSvrSubnetStatsUsedPct indicates the percentage of addresses in this subnet in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrSubnetStatsFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFreeP indicates the peak number of addresses in this subnet that are free since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFoFreeP indicates the peak number of remote addresses in this subnet that are free since the last reset of the extended statistics.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrSubnetStatsFoDeclined)	long	The value of tmnxDhcpSvrSubnetStatsFoDeclined indicates the number of remote addresses in this subnet that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFoFRPend)	long	The value of tmnxDhcpSvrSubnetStatsFoFRPend indicates the number of remote leases in this subnet that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFree)	long	The value of tmnxDhcpSvrSubnetStatsFoFree indicates the number of remote addresses in this subnet that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOffered)	long	The value of tmnxDhcpSvrSubnetStatsFoOffered indicates the number of remote leases in this subnet that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrSubnetStatsFoProv)	long	The value of tmnxDhcpSvrSubnetStatsFoProv indicates the total number of remote addresses in this subnet that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrSubnetStatsFoRemPend)	long	The value of tmnxDhcpSvrSubnetStatsFoRemPend indicates the number of remote leases in this subnet that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStable)	long	The value of tmnxDhcpSvrSubnetStatsFoStable indicates the number of remote leases in this subnet that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStatsExtResetT)	long	The value of tmnxDhcpSvrSubnetStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrSubnetStatsFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrSubnetStatsOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFrePctP.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStablePT)	long	The value of tmnxDhcpSvrSubnetStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsedP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStatsStablePT)	long	The value of tmnxDhcpSvrSubnetStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsStableP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrSubnetStatsUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedP.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrSubnetStatsUsed)	long	The value of tmnxDhcpSvrSubnetStatsUsed indicates the number of leases in this subnet that are in use.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrSubnetStatsFoUsed)	long	The value of tmnxDhcpSvrSubnetStatsFoUsed indicates the number of remote leases in this subnet that are in use.
<p>PrefixMinFreeThresholdStats MIB entry name: tmnxDhcpsPfxThStats6Entry Entry description: Each row entry in the tmnxDhcpsPfxThStats6Entry represents additional columns of threshold statistics for a prefix that belongs to the specified DHCPv6 server instance Table description (for tmnxDhcpsPfxThStats6Table): The table tmnxDhcpsPfxThStats6Table contains the threshold statistics for each prefix belonging to the specified DHCPv6 instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.PrefixMinFreeThreshold</p>		

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currFreeBlks [Curr Free Blks] (tmnxDhcpsPfxThCurrFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrFreeBlksLw indicates the lower 64-bits word of the number of free blocks in this configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen. The value of this object reflects the part of the address space in this prefix that is actually in use by this server instance. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'local (1)' or 'access-driven (3)', the value of this object reflects the value of the object tmnxDhcpsPfxThLclFreeBlksLw. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'remote (2)' and the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object reflects the value of the object tmnxDhcpsPfxThRemFreeBlksLw. Otherwise the value of this object is 0.
currFreeDepleted [Curr Free Depleted] (tmnxDhcpsPfxThCurrFreeDepleted)	boolean	The value of the object tmnxDhcpsPfxThCurrFreeDepleted equals '1' if there are no more prefixes with the minimum free threshold length available in the considered prefix. Otherwise the value equals '2'.
currFreePct [Curr Free Pct] (tmnxDhcpsPfxThCurrFreePct)	long	The value of the object tmnxDhcpsPfxThCurrFreePct indicates the percentage of free prefixes with the minimum free threshold length compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currFreeTooLow [Curr Free Too Low] (tmnxDhcpsPfxThCurrFreeTooLow)	boolean	The value of the object tmnxDhcpsPfxThCurrFreeTooLow equals '1' if the number of free prefixes with the minimum free threshold length available in the considered prefix is below the configured number of prefixes with the minimum free threshold length. Otherwise the value equals '2'.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currProvBlks [Curr Prov Blks] (tmnxDhcpsPfxThCurrProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrProvBlksLw indicates the lower 64-bits word of the number of provisioned blocks in this configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen. The value of this object reflects the part of the address space in this prefix that is actually in use by this server instance. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'local (1)' or 'access-driven (3)', the value of this object reflects the value of the object tmnxDhcpsPfxThLclProvBlksLw. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'remote (2)' and the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object reflects the value of the object tmnxDhcpsPfxThRemProvBlksLw. Otherwise the value of this object is 0.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currUsedBlks [Curr Used Blks] (tmnxDhcpsPfxThCurrUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrUsedBlksLw indicates the lower 64-bits word of the number of used blocks in this configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen. The value of this object reflects the part of the address space in this prefix that is actually in use by this server instance. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'local (1)' or 'access-driven (3)', the value of this object reflects the value of the object tmnxDhcpsPfxThLclUsedBlksLw. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'remote (2)' and the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object reflects the value of the object tmnxDhcpsPfxThRemUsedBlksLw. Otherwise the value of this object is 0.
currUsedPct [Curr Used Pct] (tmnxDhcpsPfxThCurrUsedPct)	long	The value of the object tmnxDhcpsPfxThCurrUsedPct indicates the percentage of used prefixes with the minimum free threshold length compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakBlks [Curr Used Peak Blks] (tmnxDhcpsPfxThCurrUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used blocks in the configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currUsedPeakPct [Curr Used Peak Pct] (tmnxDhcpsPfxThCurrUsedPeakPct)	long	The value of the object tmnxDhcpsPfxThCurrUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the configured prefix as a percentage of the provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakTime [Curr Used Peak Time] (tmnxDhcpsPfxThCurrUsedPeakTime)	long	The value of the object tmnxDhcpsPfxThCurrUsedPeakTime indicates the time at which the peak value of the number of used prefixes was reached for the configured prefix.
lclFreeBlks [Lcl Free Blks] (tmnxDhcpsPfxThLclFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length if the configured prefix is local, otherwise the value is 0.
lclProvBlks [Lcl Prov Blks] (tmnxDhcpsPfxThLclProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length if the configured prefix is local, otherwise the value is 0.
lclUsedBlks [Lcl Used Blks] (tmnxDhcpsPfxThLclUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length if the configured prefix is local, otherwise the value is 0.
lclUsedPeakBlks [Lcl Used Peak Blks] (tmnxDhcpsPfxThLclUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length for the local configured prefix.
lclUsedPeakPct [Lcl Used Peak Pct] (tmnxDhcpsPfxThLclUsedPeakPct)	long	The value of the object tmnxDhcpsPfxThLclUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the local configured prefix as a percentage of the provisioned prefixes.
lclUsedPeakTime [Lcl Used Peak Time] (tmnxDhcpsPfxThLclUsedPeakTime)	long	The value of the object tmnxDhcpsPfxThLclUsedPeakTime indicates the time at which the peak value of the number of used prefixes was reached for the local configured prefix.

Table 249 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peakResetTime [Peak Reset Time] (tmnxDhcpsPfxThPeakResetTime)	long	The value of the object tmnxDhcpsPfxThPeakResetTime indicates the time at which the peak values have been reset.
remFreeBlks [Rem Free Blks] (tmnxDhcpsPfxThRemFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length if the configured prefix is remote, otherwise the value is 0.
remProvBlks [Rem Prov Blks] (tmnxDhcpsPfxThRemProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length if the configured prefix is remote, otherwise the value is 0.
remUsedBlks [Rem Used Blks] (tmnxDhcpsPfxThRemUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length if the configured prefix is remote, otherwise the value is 0.
remUsedPeakBlks [Rem Used Peak Blks] (tmnxDhcpsPfxThRemUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length for the remote configured prefix.
remUsedPeakPct [Rem Used Peak Pct] (tmnxDhcpsPfxThRemUsedPeakPct)	long	The value of the object tmnxDhcpsPfxThRemUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the remote configured prefix as a percentage of the provisioned prefixes.
remUsedPeakTime [Rem Used Peak Time] (tmnxDhcpsPfxThRemUsedPeakTime)	long	The value of the object tmnxDhcpsPfxThRemUsedPeakTime indicates the time at which the peak value of the number of used prefixes was reached for the remote configured prefix.
validData [Valid Data] (tmnxDhcpsPfxThValidData)	boolean	The value of the object tmnxDhcpsPfxThValidData indicates the actual status of the threshold statistics data of the prefix. '1' means that the data is up to date and may be used. '2' means that the data is being recalculated in the background and isn't stable for further use.

Table 250 diameter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DiameterPeerClientPeerPsmStateStats</p> <p>MIB entry name: tmnxDiamPpPrxClientEntry</p> <p>Entry description: Each conceptual row represents information about a client-side peer of a Diameter proxy instance. Rows in this table are created and removed automatically by the system</p> <p>Table description (for tmnxDiamPpPrxClientTable): The tmnxDiamPpPrxClientTable contains information about the client-side peers of the Diameter proxy instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: diameter.DiameterPeerPolicy</p>		
clientAddress [Client Address] (tmnxDiamPpPrxClientIpAddr)	String	The value of tmnxDiamPpPrxClientIpAddr indicates the source IP address present in Diameter messages received from the peer.
clientAddressType [Client Address Type] (tmnxDiamPpPrxClientIpAddrType)	int	The value of tmnxDiamPpPrxClientIpAddrType indicates the address type of tmnxDiamPpPrxClientIpAddr.
clientPort [Client Port] (tmnxDiamPpPrxClientPort)	long	The value of tmnxDiamPpPrxClientPort indicates the TCP source port present in Diameter messages received from the peer.
pendingTransactions [Pending Transactions] (tmnxDiamPpPrxClientTransactions)	long	The value of tmnxDiamPpPrxClientTransactions indicates the number of pending transactions.
psmState [Psm State] (tmnxDiamPpPrxClientPsmState)	int	The value of tmnxDiamPpPrxClientPsmState indicates the state of the peer's state machine.

Table 250 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DiameterPeerStatistics</p> <p>MIB entry name: tmnxDiamPeerStatsEntry</p> <p>Entry description: Each conceptual row represents statistics information about a Diameter policy peer, or a client-side peer of a Diameter proxy instance. Rows in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxDiamPeerStatsTable): The tmnxDiamPeerStatsTable contains statistics information about the peers defined in a Diameter Policy, and about the client-side peers of the Diameter Proxy instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: diameter.DiameterPeer</p>		
peerAddress [Peer Address] (tmnxDiamPeerStatsPeerIpAddr)	String	The value of tmnxDiamPeerStatsPeerIpAddr indicates the source IP address present in DIAMETER messages received from a client-side peer of a DIAMETER proxy instance.
peerAddressType [Peer Address Type] (tmnxDiamPeerStatsPeerIpAddrType)	int	The value of tmnxDiamPeerStatsPeerIpAddrType indicates the address type of tmnxDiamPeerStatsPeerIpAddr.
peerFailedMessages [Peer Failed Messages] (tmnxDiamPeerStatsFailedMessages)	long	The value of tmnxDiamPeerStatsFailedMessages indicates the number of failed messages.
peerName [Peer Name] (tmnxDiamPeerStatsPeerName)	String	The value of tmnxDiamPeerStatsPeerName indicates the name of the peer within a DIAMETER policy, configured in object tmnxDiamPlcyPeerName.
peerPort [Peer Port] (tmnxDiamPeerStatsPeerPort)	long	The value of tmnxDiamPeerStatsPeerPort indicates the TCP source port present in DIAMETER messages received from a client-side peer of a DIAMETER proxy instance.
peerStatsBaseCe [Peer Stats Base Ce] (tmnxDiamPeerStatsBaseCe)	long	The value of tmnxDiamPeerStatsBaseCe indicates the number of Capabilities-Exchange messages.

Table 250 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerStatsBaseDp [Peer Stats Base Dp] (tmnxDiamPeerStatsBaseDp)	long	The value of tmnxDiamPeerStatsBaseDp indicates the number of Disconnect-Peer messages.
peerStatsBaseDw [Peer Stats Base Dw] (tmnxDiamPeerStatsBaseDw)	long	The value of tmnxDiamPeerStatsBaseDw indicates the number of Device-Watchdog messages.
peerStatsDirection [Peer Stats Direction] (tmnxDiamPeerStatsDirection)	int	The value of tmnxDiamPeerStatsDirection indicates which direction packets are travelling in the system : rx - Packets are being received by the system. tx - Packets are being transmitted from the system.
peerStatsGxAs [Peer Stats Gx As] (tmnxDiamPeerStatsGxAs)	long	The value of tmnxDiamPeerStatsGxAs indicates the number of DIAMETER Gx Abort-Session messages.
peerStatsGxCcI [Peer Stats Gx Cc I] (tmnxDiamPeerStatsGxCcI)	long	The value of tmnxDiamPeerStatsGxCcI indicates the number of DIAMETER Gx Credit Control messages with CC-Request-Type AVP equal to INITIAL_REQUEST.
peerStatsGxCcT [Peer Stats Gx Cc T] (tmnxDiamPeerStatsGxCcT)	long	The value of tmnxDiamPeerStatsGxCcT indicates the number of DIAMETER Gx Credit Control messages with CC-Request-Type AVP equal to TERMINATION_REQUEST.
peerStatsGxCcU [Peer Stats Gx Cc U] (tmnxDiamPeerStatsGxCcU)	long	The value of tmnxDiamPeerStatsGxCcU indicates the number of DIAMETER Gx Credit Control messages with CC-Request-Type AVP equal to UPDATE_REQUEST.
peerStatsGxRa [Peer Stats Gx Ra] (tmnxDiamPeerStatsGxRa)	long	The value of tmnxDiamPeerStatsGxRa indicates the number of DIAMETER Gx Re-Auth messages.

Table 250 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerStatsGyAs [Peer Stats Gy As] (tmnxDiamPeerStatsGyAs)	long	The value of tmnxDiamPeerStatsGyAs indicates the number of DIAMETER Gy Abort-Session messages.
peerStatsGyCcl [Peer Stats Gy Cc I] (tmnxDiamPeerStatsGyCcl)	long	The value of tmnxDiamPeerStatsGyCcl indicates the number of DIAMETER Gy Credit Control messages with CC-Request-Type AVP equal to INITIAL_REQUEST.
peerStatsGyCcT [Peer Stats Gy Cc T] (tmnxDiamPeerStatsGyCcT)	long	The value of tmnxDiamPeerStatsGyCcT indicates the number of DIAMETER Gy Credit Control messages with CC-Request-Type AVP equal to TERMINATION_REQUEST.
peerStatsGyCcU [Peer Stats Gy Cc U] (tmnxDiamPeerStatsGyCcU)	long	The value of tmnxDiamPeerStatsGyCcU indicates the number of DIAMETER Gy Credit Control messages with CC-Request-Type AVP equal to UPDATE_REQUEST.
peerStatsGyRa [Peer Stats Gy Ra] (tmnxDiamPeerStatsGyRa)	long	The value of tmnxDiamPeerStatsGyRa indicates the number of DIAMETER Gy Re-Auth messages.
peerStatsMessage [Peer Stats Message] (tmnxDiamPeerStatsMessageType)	int	The value of tmnxDiamPeerStatsMessageType indicates whether this message is a Request Message or whether this message is an Answer Message.
peerStatsNqAa [Peer Stats Nq Aa] (tmnxDiamPeerStatsNqAa)	long	The value of tmnxDiamPeerStatsNqAa indicates the number of AA messages.
peerTotalMessages [Peer Total Messages] (tmnxDiamPeerStatsTotalMessages)	long	The value of tmnxDiamPeerStatsTotalMessages indicates the total number of messages.
policyName [Policy Name] (tmnxDiamPlcyName)	String	The value of tmnxDiamPlcyName specifies the name of the DIAMETER policy.

Table 251 dynsvc statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynSvcStats</p> <p>MIB entry name: tmnxDynSvcStatsEntry</p> <p>Entry description: Each conceptual row represents a statistic counter. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxDynSvcStatsTable): The tmnxDynSvcStatsTable shows statistics information of the Dynamic Services.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dynsvc.DynSvcNeConfig</p>		
statsDescription [Stats Description] (tmnxDynSvcStatsDescr)	String	The value of the object tmnxDynSvcStatsDescr indicates the description of the statistic counter contained in this conceptual row.
statsId [Stats Id] (tmnxDynSvcStatsId)	long	The value of tmnxDynSvcStatsId specifies the number that identifies this conceptual row within the scope of a Dynamic Services.
statsValue [Stats Value] (tmnxDynSvcStatsVal)	long	The value of the object tmnxDynSvcStatsVal indicates the value of the statistics contained in this conceptual row.

Table 252 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardResourceStats</p> <p>MIB entry name: tCardResEntry</p> <p>Entry description: The value of tCardResEntry represents card specific system resource information.</p> <p>Table description (for tCardResTable): The value of tCardResTable represents system resource information that are specific to a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tCardResFPIngQGrpInstAlloc)	long	The value of tCardResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are currently provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tCardResFPIngQGrpInstTotal)	long	The value of tCardResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are allowed to be provisioned. When the value of tCardResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
hsmdaQOvrAlloc [Hsmda QOvr Alloc] (tCardResHsmdaQOvrAlloc)	long	The value of tCardResHsmdaQOvrAlloc represents the total number of HSMDA queue overrides that are currently allocated on this card.
hsmdaQOvrTotal [Hsmda QOvr Total] (tCardResHsmdaQOvrTotal)	long	The value of tCardResHsmdaQOvrTotal represents the total number of HSMDA queue overrides that are supported on this card. When the value of tCardResHsmdaQOvrTotal is zero, it indicates that this resource type is not supported on this card.
portAccEgrQGrpInstAlloc [Port Acc Egr QGrp Inst Alloc] (tCardResPortAccEgrQGrpInstAlloc)	long	The value of tCardResPortAccEgrQGrpInstAlloc represents the total number of port access egress queue-group instances across all ports on this card that are currently provisioned.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccEgrQGrpInstTotal [Port Acc Egr QGrp Inst Total] (tCardResPortAccEgrQGrpInstTotal)	long	The value of tCardResPortAccEgrQGrpInstTotal represents the total number of port access egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortAccEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tCardResPortEgrQGrpInstAlloc)	long	The value of tCardResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tCardResPortEgrQGrpInstTotal)	long	The value of tCardResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are allowed to be provisioned. When the value of tCardResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrUserSchedOvrsAlloc [Port Egr User Sched Ovrs Alloc] (tCardResQosUserSchedOvrsAlloc)	long	The value of tCardResQosUserSchedOvrsAlloc represents the total number of QoS user virtual scheduler overrides that are currently allocated on this card.
portEgrUserSchedOvrsTotal [Port Egr User Sched Ovrs Total] (tCardResQosUserSchedOvrsTotal)	long	The value of tCardResQosUserSchedOvrsTotal represents the total amount of QoS user virtual scheduler overrides that are supported on this card. When the value of tCardResQosUserSchedOvrsTotal is zero, it indicates that this resource type is not supported on this card.
portEgrVPortAlloc [Port Egr VPort Alloc] (tCardResPortEgrVPortAlloc)	long	The value of tCardResPortEgrVPortAlloc represents the total number of egress virtual ports across all ports on this card that are currently provisioned.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrVPortTotal [Port Egr VPort Total] (tCardResPortEgrVPortTotal)	long	The value of tCardResPortEgrVPortTotal represents the total number of egress virtual ports across all ports on this card that are allowed to be provisioned. When the value of tCardResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this card.
portNetEgrQGrpInstAlloc [Port Net Egr QGrp Inst Alloc] (tCardResPortNetEgrQGrpInstAlloc)	long	The value of tCardResPortNetEgrQGrpInstAlloc represents the total number of port network egress queue-group instances across all ports on this card that are currently provisioned.
portNetEgrQGrpInstTotal [Port Net Egr QGrp Inst Total] (tCardResPortNetEgrQGrpInstTotal)	long	The value of tCardResPortNetEgrQGrpInstTotal represents the total number of port network egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortNetEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
qosUserSchedsAlloc [Qos User Scheds Alloc] (tCardResQosUserSchedsAlloc)	long	The value of tCardResQosUserSchedsAlloc represents the total number of QoS user virtual schedulers that are currently allocated on this card.
qosUserSchedsTotal [Qos User Scheds Total] (tCardResQosUserSchedsTotal)	long	The value of tCardResQosUserSchedsTotal represents the total amount of QoS user virtual schedulers that are supported on this card. When the value of tCardResQosUserSchedsTotal is zero, it indicates that this resource type is not supported on this card.
subSPIQosOvrAlloc [Sub SPIQos Ovr Alloc] (tCardResSubSPIQosOvrAlloc)	long	The value of tCardResSubSPIQosOvrAlloc represents the total number of QoS subscriber sla-profile instance overrides that are currently allocated on this card.
subSPIQosOvrTotal [Sub SPIQos Ovr Total] (tCardResSubSPIQosOvrTotal)	long	The value of tCardResSubSPIQosOvrTotal represents the total number of QoS subscriber sla-profile instance overrides that are supported on this card. When the value of tCardResSubSPIQosOvrTotal is zero, it indicates that this resource type is not supported on this card.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ChassisResourceStats MIB entry name: tChassisResEntry Entry description: The value of tChassisResEntry represents chassis specific system resource information. Table description (for tChassisResTable): The value of tChassisResTable represents system resource information that are specific to chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
dynSvcNHEntryAlloc [Dyn Svc NHEntry Alloc] (tChassisResDynSvcNHEntryAlloc)	long	The value of tChassisResDynSvcNHEntryAlloc represents the total number of dynamic service next-hop entries currently in use on this chassis. The value of tChassisResDynSvcNHEntryAlloc will always equal to the sum of tChassisResIpSecNHEntryAlloc and tChassisResSubNHEntryAlloc since IPsec next-hop and subscriber next-hop resources are subsets of dynamic service next-hop entry resources.
dynSvcNHEntryTotal [Dyn Svc NHEntry Total] (tChassisResDynSvcNHEntryTotal)	long	The value of tChassisResDynSvcNHEntryTotal represents the total number of dynamic service next-hop entries supported on this chassis. When the value of tChassisResDynSvcNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis.
egrQGrpTmplAlloc [Egr QGrp Tmpl Alloc] (tChassisResEgrQGrpTmplAlloc)	long	The value of tChassisResEgrQGrpTmplAlloc represents the total number of egress queue-group-templates that are currently provisioned on this chassis.
egrQGrpTmplTotal [Egr QGrp Tmpl Total] (tChassisResEgrQGrpTmplTotal)	long	The value of tChassisResEgrQGrpTmplTotal represents the total number of egress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResEgrQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tChassisResFPIngQGrpInstAlloc)	long	The value of tChassisResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tChassisResFPIngQGrpInstTotal)	long	The value of tChassisResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
ingQGrpTmplAlloc [Ing QGrp Tmpl Alloc] (tChassisResIngQGrpTmplAlloc)	long	The value of tChassisResIngQGrpTmplAlloc represents the total number of ingress queue-group-templates that are currently provisioned on this chassis.
ingQGrpTmplTotal [Ing QGrp Tmpl Total] (tChassisResIngQGrpTmplTotal)	long	The value of tChassisResIngQGrpTmplTotal represents the total number of ingress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResIngQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.
ipSecNHEntryAlloc [Ip Sec NHEntry Alloc] (tChassisResIpSecNHEntryAlloc)	long	The value of tChassisResIpSecNHEntryAlloc represents the total number of IPsec next-hop entries currently in use on this chassis. The value of tChassisResIpSecNHEntryAlloc will always be less than or equal to tChassisResDynSvcNHEntryAlloc since IPsec next-hop entry resources are a subset of dynamic service next-hop entry resources.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipSecNHEntryTotal [Ip Sec NHEntry Total] (tChassisResIpSecNHEntryTotal)	long	The value of tChassisResIpSecNHEntryTotal represents the total number of IPsec next-hop entries supported on this chassis. When the value of tChassisResIpSecNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis. The value of tChassisResIpSecNHEntryTotal will always be less than or equal to tChassisResDynSvcNHEntryTotal since IPsec next-hop entry resources are a subset of dynamic service next-hop entry resources.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tChassisResPortEgrQGrpInstAlloc)	long	The value of tChassisResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tChassisResPortEgrQGrpInstTotal)	long	The value of tChassisResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrVPortAlloc [Port Egr VPort Alloc] (tChassisResPortEgrVPortAlloc)	long	The value of tChassisResPortEgrVPortAlloc represents the total number of port virtual ports across all the ports on this chassis that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tChassisResPortEgrVPortTotal)	long	The value of tChassisResPortEgrVPortTotal represents the total number of egress virtual ports across all the ports on this chassis that are allowed to be provisioned. When the value of tChassisResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this chassis.
sapEgrQosPolAlloc [Sap Egr Qos Pol Alloc] (tChassisResSapEgrQosPolAlloc)	long	The value of tChassisResSapEgrQosPolAlloc represents the total number of sap-egress QoS policies that are currently provisioned on this chassis.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrQosPolTotal [Sap Egr Qos Pol Total] (tChassisResSapEgrQosPolTotal)	long	The value of tChassisResSapEgrQosPolTotal represents the total number of sap-egress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapEgrQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tChassisResSapIngQosPolAlloc)	long	The value of tChassisResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently provisioned on this chassis.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tChassisResSapIngQosPolTotal)	long	The value of tChassisResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapIngQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
subNHEntryAlloc [Sub NHEntry Alloc] (tChassisResSubNHEntryAlloc)	long	The value of tChassisResSubNHEntryAlloc represents the total number of subscriber next-hop entries currently in use on this chassis. The value of tChassisResSubNHEntryAlloc will always be less than or equal to tChassisResDynSvcNHEntry-Alloc since subscriber next-hop entry resources are a subset of dynamic service next hop entry resources.
subNHEntryTotal [Sub NHEntry Total] (tChassisResSubNHEntryTotal)	long	The value of tChassisResSubNHEntryTotal represents the total number of subscriber next-hop entries supported on this chassis. When the value of tChassisResSubNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis. The value of tChassisResSubNHEntryTotal will always be less than or equal to tChassisResDynSvcNHEntry-Total since subscriber next-hop entry resources are a subset of dynamic service next-hop entry resources.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CiscoHDLCStats</p> <p>MIB entry name: tmnxCiscoHDLCStatsEntry</p> <p>Entry description: An entry in the tmnxCiscoHDLCStatsTable.</p> <p>Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel 		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.
<p>CpuUtilizationStats</p> <p>MIB entry name: tmnxCardCpuResMonitorEntry</p> <p>Entry description: The tmnxCardCpuResMonitorEntry contains the card level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxCardCpuResMonitorTable): The tmnxCardCpuResMonitorTable details the specified current card's CPU resources. The information described in this table is volatile and dependent on the current environmental conditions, and specified sample-time. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
busyCoreUtil [Busy Core Util] (tmnxCardCpuResMonBusyCoreUtil)	double	The value of tmnxCardCpuResMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
busyGroupName [Busy Group Name] (tmnxCardCpuResMonBusyGroupName)	String	The value of tmnxCardCpuResMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxCardCpuResMonBusyGroupUtil.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
busyGroupUtil [Busy Group Util] (tmnxCardCpuResMonBusyGroupUtil)	double	The value of tmnxCardCpuResMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxCardCpuResMonBusyGroupName.
cardSlotId [Card Slot Id] (tmnxCardResourceSlotNum)	long	The value of tmnxCardResourceSlotNum specifies the slot number of the card to which the resource information is monitored.
cpuldle [Cpu Idle] (tmnxCardCpuResMonCpuldle)	double	The value of tmnxCardCpuResMonCpuldle indicates the overall percentage of CPU idleness over the specified sample-time.
samplingTime [Sampling Time] (tmnxCardCpuResSampleTime)	int	The value of tmnxCardCpuResSampleTime specifies the sample-time used to calculate the utilization results for the row.
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF. For 100G MSA Transponder, the supply voltage is in millivolts (mV). For all other types the voltage is in deci-millivolts (1/10th of a millivolt or 100 microvolt units). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: tmnxDDMSupplyVoltage * conversion_factor Externally Calibrated: (tmnxDDMSupplyVoltage * (tmnxDDMExtCalVoltageSlope / 256) + tmnxDDMExtCalVoltageOffset) * conversion_factor where conversion_factor is 1/1000 for 100G MSA transponders and 1/10000 for all the others. For example (internally calibrated SFF): 1. For 100G MSA transponders, the SNMP value 32851 is 32.851 Volts (V). 2. For all others, the SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: tmnxDDMTemperature / 256 Externally Calibrated: (tmnxDDMTemperature * (tmnxDDMExtCalTemperatureSlope / 256) + tmnxDDMExtCalTemperatureOffset) / 256 For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: tmnxDDMTxBiasCurrent / 500 Externally Calibrated: (tmnxDDMTxBiasCurrent * (tmnxDDMExtCalTxLaserBiasSlope / 256) + tmnxDDMExtCalTxLaserBiasOffset) / 500 For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
<p>EgrSchVPortStats</p> <p>MIB entry name: tPortEgrVPortSchedStatEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about an egress port scheduler at a vport. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tPortEgrVPortSchedStatTable): The tPortEgrVPortSchedStatTable contains statistics information about the egress port schedulers at a vport.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrSchVPortStatsFwdOcts [Egr Sch VPort Stats Fwd Octs] (tPortEgrVPSchedStatFwdOcts)	java. math. BigInteger	The value of tPortEgrVPSchedStatFwdOcts indicates the number of forwarded octets.
egrSchVPortStatsFwdPkts [Egr Sch VPort Stats Fwd Pkts] (tPortEgrVPSchedStatFwdPkts)	java. math. BigInteger	The value of tPortEgrVPSchedStatFwdPkts indicates the number of forwarded packets.
egrSchVPortStatsName [Egr Sch VPort Stats Name] (tPortEgrVPSchedStatName)	String	The value of tPortEgrVPSchedStatName specifies the name of the port scheduler.
portId [Port Id] (tmnxPortPortID)	long	tmnxPortPortID is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
shelfId [Shelf Id] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
virtualPortName [Virtual Port Name] (tPortEgrVPortName)	String	The value of tPortEgrVPortName is the name of the virtual port on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EgrVPortAggStats</p> <p>MIB entry name: tPortEgrVPortAggStatsEntry</p> <p>Entry description: Each row in tPortEgrVPortAggStatsEntry represents a particular virtual port at the port egress level specified by tPortEgrVPortName and tPortEgrVPStLvl.</p> <p>Table description (for tPortEgrVPortAggStatsTable): The tPortEgrVPortAggStatsTable contains the statistics of each virtual port at the port egress level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrVPortAggStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVportAggStatsCIRLevelDpdOct [Egr Vport Agg Stats CIRLevel Dpd Oct] (tPortEgrVPStLvlDpdOct)	java. math. BigInteger	The value of tPortEgrVPStLvlDpdOct indicates the number of octets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelDpdPkt [Egr Vport Agg Stats CIRLevel Dpd Pkt] (tPortEgrVPStLvlDpdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvlDpdPkt indicates the number of packets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdOct [Egr Vport Agg Stats CIRLevel Fwd Oct] (tPortEgrVPStLvlFwdOct)	java. math. BigInteger	The value of tPortEgrVPStLvlFwdOct indicates the number of octets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdPkt [Egr Vport Agg Stats CIRLevel Fwd Pkt] (tPortEgrVPStLvlFwdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvlFwdPkt indicates the number of packets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevel [Egr Vport Agg Stats CIRLevel] (tPortEgrVPStLvl)	int	The value of tPortEgrVPStLvl indicates the priority level for the port scheduler to which a subscriber host queue can be port-parented. When the value of tPortEgrVPStLvl is specified as '0xffffffff H', snmp GET on this table returns aggregate statistics.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVportAggStatsLastClearTime [Egr Vport Agg Stats Last Clear Time] (tPortEgrVPStLstClrdTime)	long	The value of tPortEgrVPStLstClrdTime indicates the sysUpTime when the counters in this table were last cleared.
<p>EgrVPortMonitorThresholdStats</p> <p>MIB entry name: tPortEgrVPortMonThrEntry</p> <p>Entry description: The value of tPortEgrVPortMonThrEntry represents threshold monitoring information for port scheduler policy specified by tPortEgrVPortQosSchedPolicy for each access egress vport when the value of tPortEgrVPortMonitorPortSched is set to 'enabled (1)'.</p> <p>Table description (for tPortEgrVPortMonThrTable): The value of tPortEgrVPortMonThrTable contains port scheduler policy's threshold monitoring information for each access egress vport when the value of tPortEgrVPortMonitorPortSched is set to 'enabled (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVPortMonThrEndTime [Egr VPort Mon Thr End Time] (tPortEgrVPortMonThrEndTime)	long	The value of tPortEgrVPortMonThrEndTime represents the end time for threshold monitoring.
egrVPortMonThrGrp1ExceedCnt [Egr VPort Mon Thr Grp 1 Exceed Cnt] (tPortEgrVPortMonThrGrp1ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp1ExceedCnt represents the exceed count for group 1 specified by tPortEgrVPortMonThrGrp1Name.
egrVPortMonThrGrp1Name [Egr VPort Mon Thr Grp 1 Name] (tPortEgrVPortMonThrGrp1Name)	String	The value of tPortEgrVPortMonThrGrp1Name represents port scheduler policy's group name.
egrVPortMonThrGrp2ExceedCnt [Egr VPort Mon Thr Grp 2 Exceed Cnt] (tPortEgrVPortMonThrGrp2ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp2ExceedCnt represents the exceed count for group 2 specified by tPortEgrVPortMonThrGrp2Name.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrGrp2Name [Egr VPort Mon Thr Grp 2 Name] (tPortEgrVPortMonThrGrp2Name)	String	The value of tPortEgrVPortMonThrGrp2Name represents port scheduler policy's group name.
egrVPortMonThrGrp3ExceedCnt [Egr VPort Mon Thr Grp 3 Exceed Cnt] (tPortEgrVPortMonThrGrp3ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp3ExceedCnt represents the exceed count for group 3 specified by tPortEgrVPortMonThrGrp3Name.
egrVPortMonThrGrp3Name [Egr VPort Mon Thr Grp 3 Name] (tPortEgrVPortMonThrGrp3Name)	String	The value of tPortEgrVPortMonThrGrp3Name represents port scheduler policy's group name.
egrVPortMonThrGrp4ExceedCnt [Egr VPort Mon Thr Grp 4 Exceed Cnt] (tPortEgrVPortMonThrGrp4ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp4ExceedCnt represents the exceed count for group 4 specified by tPortEgrVPortMonThrGrp4Name.
egrVPortMonThrGrp4Name [Egr VPort Mon Thr Grp 4 Name] (tPortEgrVPortMonThrGrp4Name)	String	The value of tPortEgrVPortMonThrGrp4Name represents port scheduler policy's group name.
egrVPortMonThrGrp5ExceedCnt [Egr VPort Mon Thr Grp 5 Exceed Cnt] (tPortEgrVPortMonThrGrp5ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp5ExceedCnt represents the exceed count for group 5 specified by tPortEgrVPortMonThrGrp5Name.
egrVPortMonThrGrp5Name [Egr VPort Mon Thr Grp 5 Name] (tPortEgrVPortMonThrGrp5Name)	String	The value of tPortEgrVPortMonThrGrp5Name represents port scheduler policy's group name.
egrVPortMonThrGrp6ExceedCnt [Egr VPort Mon Thr Grp 6 Exceed Cnt] (tPortEgrVPortMonThrGrp6ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp6ExceedCnt represents the exceed count for group 6 specified by tPortEgrVPortMonThrGrp6Name.
egrVPortMonThrGrp6Name [Egr VPort Mon Thr Grp 6 Name] (tPortEgrVPortMonThrGrp6Name)	String	The value of tPortEgrVPortMonThrGrp6Name represents port scheduler policy's group name.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrGrp7ExceedCnt [Egr VPort Mon Thr Grp 7 Exceed Cnt] (tPortEgrVPortMonThrGrp7ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp7ExceedCnt represents the exceed count for group 7 specified by tPortEgrVPortMonThrGrp7Name.
egrVPortMonThrGrp7Name [Egr VPort Mon Thr Grp 7 Name] (tPortEgrVPortMonThrGrp7Name)	String	The value of tPortEgrVPortMonThrGrp7Name represents port scheduler policy's group name.
egrVPortMonThrGrp8ExceedCnt [Egr VPort Mon Thr Grp 8 Exceed Cnt] (tPortEgrVPortMonThrGrp8ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp8ExceedCnt represents the exceed count for group 8 specified by tPortEgrVPortMonThrGrp8Name.
egrVPortMonThrGrp8Name [Egr VPort Mon Thr Grp 8 Name] (tPortEgrVPortMonThrGrp8Name)	String	The value of tPortEgrVPortMonThrGrp8Name represents port scheduler policy's group name.
egrVPortMonThrLvl1ExceedCnt [Egr VPort Mon Thr Lvl 1 Exceed Cnt] (tPortEgrVPortMonThrLvl1ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl1ExceedCnt represents the exceed count for priority level 1.
egrVPortMonThrLvl2ExceedCnt [Egr VPort Mon Thr Lvl 2 Exceed Cnt] (tPortEgrVPortMonThrLvl2ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl2ExceedCnt represents the exceed count for priority level 2.
egrVPortMonThrLvl3ExceedCnt [Egr VPort Mon Thr Lvl 3 Exceed Cnt] (tPortEgrVPortMonThrLvl3ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl3ExceedCnt represents the exceed count for priority level 3.
egrVPortMonThrLvl4ExceedCnt [Egr VPort Mon Thr Lvl 4 Exceed Cnt] (tPortEgrVPortMonThrLvl4ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl4ExceedCnt represents the exceed count for priority level 4.
egrVPortMonThrLvl5ExceedCnt [Egr VPort Mon Thr Lvl 5 Exceed Cnt] (tPortEgrVPortMonThrLvl5ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl5ExceedCnt represents the exceed count for priority level 5.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrLvl6ExceedCnt [Egr VPort Mon Thr Lvl 6 Exceed Cnt] (tPortEgrVPortMonThrLvl6ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl6ExceedCnt represents the exceed count for priority level 6.
egrVPortMonThrLvl7ExceedCnt [Egr VPort Mon Thr Lvl 7 Exceed Cnt] (tPortEgrVPortMonThrLvl7ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl7ExceedCnt represents the exceed count for priority level 7.
egrVPortMonThrLvl8ExceedCnt [Egr VPort Mon Thr Lvl 8 Exceed Cnt] (tPortEgrVPortMonThrLvl8ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl8ExceedCnt represents the exceed count for priority level 8.
egrVPortMonThrPortExceedCnt [Egr VPort Mon Thr Port Exceed Cnt] (tPortEgrVPortMonThrPortExceedCnt)	long	The value of tPortEgrVPortMonThrPortExceedCnt represents the exceed count for egress port scheduler.
egrVPortMonThrStartTime [Egr VPort Mon Thr Start Time] (tPortEgrVPortMonThrStartTime)	long	The value of tPortEgrVPortMonThrStartTime represents the start time for threshold monitoring.
egrVPortMonThrTotalSamples [Egr VPort Mon Thr Total Samples] (tPortEgrVPortMonThrTotalSamples)	long	The value of tPortEgrVPortMonThrTotalSamples represents total samples collected during the threshold monitoring interval.
FPacclngQGrpArbiterStats MIB entry name: tFPacclngQGrpArbitStatEntry Entry description: The value of tFPacclngQGrpArbitStatEntry defines an entry in the tFPacclngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group policer. Table description (for tFPacclngQGrpArbitStatTable): The value of tFPacclngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group policer statistics on access side. Supports realtime plotting Supports scheduled collection Monitored class: equipment.FPacclngQGrpEntry		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQGrpArbitStatFwdOcts [Fp Acc Ing QGrp Arbit Stat Fwd Octs] (tFPAcclngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPAcclngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpAcclngQGrpArbitStatFwdOctsH [Fp Acc Ing QGrp Arbit Stat Fwd Octs H] (tFPAcclngQGrpArbitStatFwdOctsH)	long	The value of tFPAcclngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPAcclngQGrpArbitStatFwdOcts.
fpAcclngQGrpArbitStatFwdOctsL [Fp Acc Ing QGrp Arbit Stat Fwd Octs L] (tFPAcclngQGrpArbitStatFwdOctsL)	long	The value of tFPAcclngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPAcclngQGrpArbitStatFwdOcts.
fpAcclngQGrpArbitStatFwdPkts [Fp Acc Ing QGrp Arbit Stat Fwd Pkts] (tFPAcclngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPAcclngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpAcclngQGrpArbitStatFwdPktsH [Fp Acc Ing QGrp Arbit Stat Fwd Pkts H] (tFPAcclngQGrpArbitStatFwdPktsH)	long	The value of tFPAcclngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPAcclngQGrpArbitStatFwdPkts.
fpAcclngQGrpArbitStatFwdPktsL [Fp Acc Ing QGrp Arbit Stat Fwd Pkts L] (tFPAcclngQGrpArbitStatFwdPktsL)	long	The value of tFPAcclngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPAcclngQGrpArbitStatFwdPkts.
fpAcclngQGrpArbitStatName [Fp Acc Ing QGrp Arbit Stat Name] (tFPAcclngQGrpArbitStatName)	String	The value of tFPAcclngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on access.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPacclngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPacclngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPacclngQGrpPStatEntry defines an entry in the tmnxFPacclngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPacclngQGrpPStatTable): The tmnxFPacclngQGrpPStatTable contains forwarding-plane ingress QoS queue group policer statistics on access side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPacclngQGrpEntry</p>		
fpAcclngQGrpPStatMode [Fp Acc Ing QGrp PStat Mode] (tmnxFPacclngQGrpPStatMode)	int	The value of tmnxFPacclngQGrpPStatMode indicates the stat mode used by this policer.
fpAcclngQGrpPStatPolicerId [Fp Acc Ing QGrp PStat Policer Id] (tmnxFPacclngQGrpPStatPolicerId)	long	The value of tmnxFPacclngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on access.
fpAcclngQgPStDrpHPrioOcts [Fp Acc Ing Qg PSt Drp HPrio Octs] (tmnxFPacclngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPacclngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpHPrioOctsH [Fp Acc Ing Qg PSt Drp HPrio Octs H] (tmnxFPacclngQgPStDrpHPrioOctsH)	long	The value of tmnxFPacclngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPacclngQgPStDrpHPrioOcts.
fpAcclngQgPStDrpHPrioOctsL [Fp Acc Ing Qg PSt Drp HPrio Octs L] (tmnxFPacclngQgPStDrpHPrioOctsL)	long	The value of tmnxFPacclngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPacclngQgPStDrpHPrioOcts.
fpAcclngQgPStDrpHPrioPkts [Fp Acc Ing Qg PSt Drp HPrio Pkts] (tmnxFPacclngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPacclngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStDrpHPrioPktsH [Fp Acc Ing Qg PSt Drp HPrio Pkts H] (tmnxFPAcclngQgPStDrpHPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpHPrioPkts.
fpAcclngQgPStDrpHPrioPktsL [Fp Acc Ing Qg PSt Drp HPrio Pkts L] (tmnxFPAcclngQgPStDrpHPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpHPrioPkts.
fpAcclngQgPStDrpLPrioOcts [Fp Acc Ing Qg PSt Drp LPrio Octs] (tmnxFPAcclngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioOctsH [Fp Acc Ing Qg PSt Drp LPrio Octs H] (tmnxFPAcclngQgPStDrpLPrioOctsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioOctsL [Fp Acc Ing Qg PSt Drp LPrio Octs L] (tmnxFPAcclngQgPStDrpLPrioOctsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioPkts [Fp Acc Ing Qg PSt Drp LPrio Pkts] (tmnxFPAcclngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioPktsH [Fp Acc Ing Qg PSt Drp LPrio Pkts H] (tmnxFPAcclngQgPStDrpLPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.
fpAcclngQgPStDrpLPrioPktsL [Fp Acc Ing Qg PSt Drp LPrio Pkts L] (tmnxFPAcclngQgPStDrpLPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdInProfOcts [Fp Acc Ing Qg PSt Fwd In Prof Octs] (tmnxFPAcclngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfOctsH [Fp Acc Ing Qg PSt Fwd In Prof Octs H] (tmnxFPAcclngQgPStFwdInProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.
fpAcclngQgPStFwdInProfOctsL [Fp Acc Ing Qg PSt Fwd In Prof Octs L] (tmnxFPAcclngQgPStFwdInProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.
fpAcclngQgPStFwdInProfPkts [Fp Acc Ing Qg PSt Fwd In Prof Pkts] (tmnxFPAcclngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfPktsH [Fp Acc Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPAcclngQgPStFwdInProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdInProfPktsL [Fp Acc Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPAcclngQgPStFwdInProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdOutProfOcts [Fp Acc Ing Qg PSt Fwd Out Prof Octs] (tmnxFPAcclngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdOutProfOctsH [Fp Acc Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPAcclngQgPStFwdOutProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdOutProfOctsL [Fp Acc Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPAcclngQgPStFwdOutProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.
fpAcclngQgPStFwdOutProfPkts [Fp Acc Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPAcclngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdOutProfPktsH [Fp Acc Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPAcclngQgPStFwdOutProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStFwdOutProfPktsL [Fp Acc Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPAcclngQgPStFwdOutProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStOffHPrioOcts [Fp Acc Ing Qg PSt Off HPrio Octs] (tmnxFPAcclngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffHPrioOctsH [Fp Acc Ing Qg PSt Off HPrio Octs H] (tmnxFPAcclngQgPStOffHPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioOctsL [Fp Acc Ing Qg PSt Off HPrio Octs L] (tmnxFPAcclngQgPStOffHPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioPkts [Fp Acc Ing Qg PSt Off HPrio Pkts] (tmnxFPAcclngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStOffHPrioPktsH [Fp Acc Ing Qg PSt Off HPrio Pkts H] (tmnxFPAcclngQgPStOffHPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.
fpAcclngQgPStOffHPrioPktsL [Fp Acc Ing Qg PSt Off HPrio Pkts L] (tmnxFPAcclngQgPStOffHPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.
fpAcclngQgPStOffLPrioOcts [Fp Acc Ing Qg PSt Off LPrio Octets] (tmnxFPAcclngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.
fpAcclngQgPStOffLPrioOctsH [Fp Acc Ing Qg PSt Off LPrio Octets H] (tmnxFPAcclngQgPStOffLPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffLPrioOcts.
fpAcclngQgPStOffLPrioOctsL [Fp Acc Ing Qg PSt Off LPrio Octets L] (tmnxFPAcclngQgPStOffLPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffLPrioOcts.
fpAcclngQgPStOffLPrioPkts [Fp Acc Ing Qg PSt Off LPrio Pkts] (tmnxFPAcclngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffLPrioPktsH [Fp Acc Ing Qg PSt Off LPrio Pkts H] (tmnxFPAcclngQgPStOffLPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffLPrioPkts.
fpAcclngQgPStOffLPrioPktsL [Fp Acc Ing Qg PSt Off LPrio Pkts L] (tmnxFPAcclngQgPStOffLPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffLPrioPkts.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStUncolOctsOff [Fp Acc Ing Qg PSt Uncol Octs Off] (tmnxFPAcclngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpAcclngQgPStUncolOctsOffH [Fp Acc Ing Qg PSt Uncol Octs Off H] (tmnxFPAcclngQgPStUncolOctsOffH)	long	The value of tmnxFPAcclngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPAcclngQgPStUncolOctsOff.
fpAcclngQgPStUncolOctsOffL [Fp Acc Ing Qg PSt Uncol Octs Off L] (tmnxFPAcclngQgPStUncolOctsOffL)	long	The value of tmnxFPAcclngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolOctsOff.
fpAcclngQgPStUncolPktsOff [Fp Acc Ing Qg PSt Uncol Pkts Off] (tmnxFPAcclngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpAcclngQgPStUncolPktsOffH [Fp Acc Ing Qg PSt Uncol Pkts Off H] (tmnxFPAcclngQgPStUncolPktsOffH)	long	The value of tmnxFPAcclngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
fpAcclngQgPStUncolPktsOffL [Fp Acc Ing Qg PSt Uncol Pkts Off L] (tmnxFPAcclngQgPStUncolPktsOffL)	long	The value of tmnxFPAcclngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
<p>FPNwIngQGrpArbiterStats</p> <p>MIB entry name: tFPNetIngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter.</p> <p>Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPNwIngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPNetIngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPNetIngQGrpPStatEntry defines an entry in the tmnxFPNetIngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPNetIngQGrpPStatTable): The tmnxFPNetIngQGrpPStatTable contains forwarding-plane ingress QoS queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpPStatMode [Fp Net Ing QGrp PStat Mode] (tmnxFPNetIngQGrpPStatMode)	int	The value of tmnxFPNetIngQGrpPStatMode indicates the stat mode used by this policer.
fpNetIngQGrpPStatPolicerId [Fp Net Ing QGrp PStat Policer Id] (tmnxFPNetIngQGrpPStatPolicerId)	long	The value of tmnxFPNetIngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on network.
fpNetIngQgPStDrpHPrioOcts [Fp Net Ing Qg PSt Drp HPrio Octs] (tmnxFPNetIngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpHPrioOctsH [Fp Net Ing Qg PSt Drp HPrio Octs H] (tmnxFPNetIngQgPStDrpHPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioOctsL [Fp Net Ing Qg PSt Drp HPrio Octs L] (tmnxFPNetIngQgPStDrpHPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioPkts [Fp Net Ing Qg PSt Drp HPrio Pkts] (tmnxFPNetIngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStDrpHPrioPktsH [Fp Net Ing Qg PSt Drp HPrio Pkts H] (tmnxFPNetIngQgPStDrpHPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpHPrioPktsL [Fp Net Ing Qg PSt Drp HPrio Pkts L] (tmnxFPNetIngQgPStDrpHPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpLPrioOcts [Fp Net Ing Qg PSt Drp LPrio Octs] (tmnxFPNetIngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpLPrioOctsH [Fp Net Ing Qg PSt Drp LPrio Octs H] (tmnxFPNetIngQgPStDrpLPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioOctsL [Fp Net Ing Qg PSt Drp LPrio Octs L] (tmnxFPNetIngQgPStDrpLPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioPkts [Fp Net Ing Qg PSt Drp LPrio Pkts] (tmnxFPNetIngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpLPrioPktsH [Fp Net Ing Qg PSt Drp LPrio Pkts H] (tmnxFPNetIngQgPStDrpLPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.
fpNetIngQgPStDrpLPrioPktsL [Fp Net Ing Qg PSt Drp LPrio Pkts L] (tmnxFPNetIngQgPStDrpLPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdInProfOcts [Fp Net Ing Qg PSt Fwd In Prof Octs] (tmnxFPNetIngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfOctsH [Fp Net Ing Qg PSt Fwd In Prof Octs H] (tmnxFPNetIngQgPStFwdInProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.
fpNetIngQgPStFwdInProfOctsL [Fp Net Ing Qg PSt Fwd In Prof Octs L] (tmnxFPNetIngQgPStFwdInProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.
fpNetIngQgPStFwdInProfPkts [Fp Net Ing Qg PSt Fwd In Prof Pkts] (tmnxFPNetIngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfPktsH [Fp Net Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPNetIngQgPStFwdInProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdInProfPktsL [Fp Net Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPNetIngQgPStFwdInProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdOutProfOcts [Fp Net Ing Qg PSt Fwd Out Prof Octs] (tmnxFPNetIngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfOctsH [Fp Net Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPNetIngQgPStFwdOutProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdOutProfOctsL [Fp Net Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPNetIngQgPStFwdOutProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.
fpNetIngQgPStFwdOutProfPkts [Fp Net Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPNetIngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfPktsH [Fp Net Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPNetIngQgPStFwdOutProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.
fpNetIngQgPStFwdOutProfPktsL [Fp Net Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPNetIngQgPStFwdOutProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.
fpNetIngQgPStOffHPrioOcts [Fp Net Ing Qg PSt Off HPrio Octs] (tmnxFPNetIngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffHPrioOctsH [Fp Net Ing Qg PSt Off HPrio Octs H] (tmnxFPNetIngQgPStOffHPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioOctsL [Fp Net Ing Qg PSt Off HPrio Octs L] (tmnxFPNetIngQgPStOffHPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioPkts [Fp Net Ing Qg PSt Off HPrio Pkts] (tmnxFPNetIngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStOffHPrioPktsH [Fp Net Ing Qg PSt Off HPrio Pkts H] (tmnxFPNetIngQgPStOffHPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffHPrioPktsL [Fp Net Ing Qg PSt Off HPrio Pkts L] (tmnxFPNetIngQgPStOffHPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffLPrioOcts [Fp Net Ing Qg PSt Off LPrio Octs] (tmnxFPNetIngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.
fpNetIngQgPStOffLPrioOctsH [Fp Net Ing Qg PSt Off LPrio Octs H] (tmnxFPNetIngQgPStOffLPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioOctsL [Fp Net Ing Qg PSt Off LPrio Octs L] (tmnxFPNetIngQgPStOffLPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioPkts [Fp Net Ing Qg PSt Off LPrio Pkts] (tmnxFPNetIngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffLPrioPktsH [Fp Net Ing Qg PSt Off LPrio Pkts H] (tmnxFPNetIngQgPStOffLPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.
fpNetIngQgPStOffLPrioPktsL [Fp Net Ing Qg PSt Off LPrio Pkts L] (tmnxFPNetIngQgPStOffLPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStUncolOctsOff [Fp Net Ing Qg PSt Uncol Octs Off] (tmnxFPNetIngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpNetIngQgPStUncolOctsOffH [Fp Net Ing Qg PSt Uncol Octs Off H] (tmnxFPNetIngQgPStUncolOctsOffH)	long	The value of tmnxFPNetIngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPNetIngQgPStUncolOctsOff.
fpNetIngQgPStUncolOctsOffL [Fp Net Ing Qg PSt Uncol Octs Off L] (tmnxFPNetIngQgPStUncolOctsOffL)	long	The value of tmnxFPNetIngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolOctsOff.
fpNetIngQgPStUncolPktsOff [Fp Net Ing Qg PSt Uncol Pkts Off] (tmnxFPNetIngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpNetIngQgPStUncolPktsOffH [Fp Net Ing Qg PSt Uncol Pkts Off H] (tmnxFPNetIngQgPStUncolPktsOffH)	long	The value of tmnxFPNetIngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
fpNetIngQgPStUncolPktsOffL [Fp Net Ing Qg PSt Uncol Pkts Off L] (tmnxFPNetIngQgPStUncolPktsOffL)	long	The value of tmnxFPNetIngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
FibNextHopStats MIB entry name: vRtrFibStatNextHopEntry Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.BaseCard		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpEvpnRoutes [Bgp Evpn Routes] (vRtrFibStatBGPEvpnRoutes)	long	The value of vRtrFibStatBGPEvpnRoutes indicates the current IPv4 BGP EVPN route counts for the virtual router.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
currentUtilization [Current Utilization] (vRtrFibStatCurrentUtilization)	long	The value of vRtrFibStatCurrentUtilization indicates the space usage by IPv4 routes in hardware FIB in percentage.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
filteredRoutes [Filtered Routes] (vRtrFibStatFilteredRoutes)	long	The value of vRtrFibStatFilteredRoutes indicates the total number of IPv4 routes filtered due to selective download and so not installed in hardware FIB.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISIRoutes)	long	vRtrFibStatISIRoutes indicates current ISIS route counts for the virtual router.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space due to IPv4 routes.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
totalInstalledRoutes [Total Installed Routes] (vRtrFibStatTotalInstalledRoutes)	long	The value of vRtrFibStatTotalInstalledRoutes indicates the total number of IPv4 routes installed in hardware FIB.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGPRoutes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
v6CurrentUtilization [V6 Current Utilization] (vRtrFibStatV6CurrentUtilization)	long	The value of vRtrFibStatV6CurrentUtilization indicates the space usage by IPv6 routes in hardware FIB in percentage.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6FilteredRoutes [V6 Filtered Routes] (vRtrFibStatV6FilteredRoutes)	long	The value of vRtrFibStatV6FilteredRoutes indicates the total number of IPv6 routes filtered due to selective download and so not installed in hardware FIB.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISISRoutes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6Overflows [V6 Overflows] (vRtrFibStatV6Overflows)	long	vRtrFibStatV6Overflows indicates the number of times the FIB has run out of space due to IPv6 routes.
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6TotalInstalledRoutes [V6 Total Installed Routes] (vRtrFibStatV6TotalInstalledRt)	long	The value of vRtrFibStatV6TotalInstalledRt indicates the total number of IPv6 routes installed in hardware FIB.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
v6bgpEvpnRoutes [V6 bgp Evpn Routes] (vRtrFibStatV6BGPEvpnRoutes)	long	The value of vRtrFibStatV6BGPEvpnRoutes indicates the current IPv6 BGP EVPN route counts for the virtual router.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.
<p>ForwardingPlaneResourceStats</p> <p>MIB entry name: tFPResEntry</p> <p>Entry description: The value of tFPResEntry represents forwarding plane (FP) specific system resource information.</p> <p>Table description (for tFPResTable): The value of tFPResTable represents system resource information that are specific to forwarding plane (FP) for a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.CardSlot • equipment.ForwardingPlane 		
dynEgrClassAlloc [Dyn Egr Class Alloc] (tFPResDynEgrClassAlloc)	long	The value of tFPResDynEgrClassAlloc represents the total number of QoS dynamic egress classification resources that are currently allocated on this FP.
dynEgrClassIUBNE [Dyn Egr Class IUBNE] (tFPResDynEgrClassIUBNE)	long	The value of tFPResDynEgrClassIUBNE represents the subset of resources which are currently in use by network egress QoS classification out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc. A network egress QoS classification resource is consumed whenever a network QoS policy has at least one egress DSCP or prec classification rule provisioned.
dynEgrClassIUBSE [Dyn Egr Class IUBSE] (tFPResDynEgrClassIUBSE)	long	The value of tFPResDynEgrClassIUBSE represents the subset of resources which are currently in use by sap-egress QoS policies out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynEgrClassTotal [Dyn Egr Class Total] (tFPResDynEgrClassTotal)	long	The value of tFPResDynEgrClassTotal represents the total number of QoS dynamic egress classification resources that are allowed to be in use on this FP.
dynPolicerAlloc [Dyn Policer Alloc] (tFPResDynPolicerAlloc)	long	The value of tFPResDynPolicerAlloc represents the total number of dynamic policers that are currently allocated on this FP.
dynPolicerIUBE [Dyn Policer IUBE] (tFPResDynPolicerIUBE)	long	The value of tFPResDynPolicerIUBE represents the subset of resources which are currently in use by egress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerIUBI [Dyn Policer IUBI] (tFPResDynPolicerIUBI)	long	The value of tFPResDynPolicerIUBI represents the subset of resources which are currently in use by ingress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerStatAlloc [Dyn Policer Stat Alloc] (tFPResDynPolicerStatAlloc)	long	The value of tFPResDynPolicerStatAlloc represents the total number of dynamic policers stats that are currently allocated on this FP.
dynPolicerStatIUBE [Dyn Policer Stat IUBE] (tFPResDynPolicerStatIUBE)	long	The value of tFPResDynPolicerStatIUBE represents the subset of resources which are currently in use by egress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatIUBI [Dyn Policer Stat IUBI] (tFPResDynPolicerStatIUBI)	long	The value of tFPResDynPolicerStatIUBI represents the subset of resources which are currently in use by ingress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatTotal [Dyn Policer Stat Total] (tFPResDynPolicerStatTotal)	long	The value of tFPResDynPolicerStatTotal represents the total number of dynamic policer stats that are supported on this FP. When the value of tFPResDynPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynPolicerTotal [Dyn Policer Total] (tFPResDynPolicerTotal)	long	The value of tFPResDynPolicerTotal represents the total number of dynamic policer that are supported on this FP. When the value of tFPResDynPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2NamedPoolAlloc [Dyn Q2 Named Pool Alloc] (tFPResDynQ2NamedPoolAlloc)	long	The value of tFPResDynQ2NamedPoolAlloc represents the total number of dynamic Q2 named pools that are currently allocated on this FP.
dynQ2NamedPoolIUBE [Dyn Q2 Named Pool IUBE] (tFPResDynQ2NamedPoolIUBE)	long	The value of tFPResDynQ2NamedPoolIUBE represents the subset of resources which are currently in use by egress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolIUBI [Dyn Q2 Named Pool IUBI] (tFPResDynQ2NamedPoolIUBI)	long	The value of tFPResDynQ2NamedPoolIUBI represents the subset of resources which are currently in use by ingress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolTotal [Dyn Q2 Named Pool Total] (tFPResDynQ2NamedPoolTotal)	long	The value of tFPResDynQ2NamedPoolTotal represents the total number of dynamic Q2 named pools that are supported on this FP. When the value of tFPResDynQ2NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2WredPoolAlloc [Dyn Q2 Wred Pool Alloc] (tFPResDynQ2WredPoolAlloc)	long	The value of tFPResDynQ2WredPoolAlloc represents the total number of dynamic Q2 wred pools that are currently allocated on this FP.
dynQ2WredPoolTotal [Dyn Q2 Wred Pool Total] (tFPResDynQ2WredPoolTotal)	long	The value of tFPResDynQ2WredPoolTotal represents the total number of dynamic Q2 wred pools that are supported on this FP. When the value of tFPResDynQ2WredPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQueueAlloc [Dyn Queue Alloc] (tFPResDynQueueAlloc)	long	The value of tFPResDynQueueAlloc represents the total number of dynamic queues that are currently allocated on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQueueIUBE [Dyn Queue IUBE] (tFPResDynQueueIUBE)	long	The value of tFPResDynQueueIUBE represents the subset of resources which are currently in use by egress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueIUBI [Dyn Queue IUBI] (tFPResDynQueueIUBI)	long	The value of tFPResDynQueueIUBI represents the subset of resources which are currently in use by ingress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueTotal [Dyn Queue Total] (tFPResDynQueueTotal)	long	The value of tFPResDynQueueTotal represents the total number of dynamic queues that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
dynSvcEntryAlloc [Dyn Svc Entry Alloc] (tFPResDynSvcEntryAlloc)	long	The value of tFPResDynSvcEntryAlloc represents the total number of dynamic services that are currently allocated on this FP. The value of tFPResDynSvcEntryAlloc will always equal to the sum of tFPResSubHostAlloc, tFPResEncapGrpMemberAlloc and tFPResEgrNetQGrpMapAlloc since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
dynSvcEntryTotal [Dyn Svc Entry Total] (tFPResDynSvcEntryTotal)	long	The value of tFPResDynSvcEntryTotal represents the total number of dynamic services that are supported on this FP. When the value of tFPResDynSvcEntryTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResDynSvcEntryTotal will always equal to the sum of tFPResSubHostTotal, tFPResEncapGrpMemberTotal and tFPResEgrNetQGrpMapTotal since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAclEntryAlloc [Egr Acl Entry Alloc] (tFPResEgrAclEntryAlloc)	long	The value of tFPResEgrAclEntryAlloc represents the total number of egress ACL CAM entries that are currently allocated on this FP.
egrAclEntryTotal [Egr Acl Entry Total] (tFPResEgrAclEntryTotal)	long	The value of tFPResEgrAclEntryTotal represents the total number of egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclFilterAlloc [Egr Acl Filter Alloc] (tFPResEgrAclFilterAlloc)	long	The value of tFPResEgrAclFilterAlloc represents the total number of egress MAC + IP ACL filter policies that are currently allocated on this FP.
egrAclFilterTotal [Egr Acl Filter Total] (tFPResEgrAclFilterTotal)	long	The value of tFPResEgrAclFilterTotal represents the total number of egress MAC + IP ACL filter policies that are supported on this FP. Note that on 7750 SR-c4/c12 the CPM enforced limit for the total number of ACL filter policies is lower than the value of this object.
egrAclQosEntryAlloc [Egr Acl Qos Entry Alloc] (tFPResEgrAclQosEntryAlloc)	long	The value of tFPResEgrAclQosEntryAlloc represents the total number of combined egress ACL and QoS CAM entries that are currently allocated on this FP.
egrAclQosEntryTotal [Egr Acl Qos Entry Total] (tFPResEgrAclQosEntryTotal)	long	The value of tFPResEgrAclQosEntryTotal represents the total number of combined egress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResEgrAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6AclEntryAlloc [Egr IPv 6 Acl Entry Alloc] (tFPResEgrIPv6AclEntryAlloc)	long	The value of tFPResEgrIPv6AclEntryAlloc represents the total number of IPv6 egress ACL CAM entries that are currently allocated on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrIPv6AclEntryTotal [Egr IPv 6 Acl Entry Total] (tFPResEgrIPv6AclEntryTotal)	long	The value of tFPResEgrIPv6AclEntryTotal represents the total number of IPv6 egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6QosEntryAlloc [Egr IPv 6 Qos Entry Alloc] (tFPResEgrIPv6QosEntryAlloc)	long	The value of tFPResEgrIPv6QosEntryAlloc represents the total number of IPv6 egress QoS CAM entries that are currently allocated on this FP.
egrIPv6QosEntryTotal [Egr IPv 6 Qos Entry Total] (tFPResEgrIPv6QosEntryTotal)	long	The value of tFPResEgrIPv6QosEntryTotal represents the total number of IPv6 egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrNetQGrpMapAlloc [Egr Net QGrp Map Alloc] (tFPResEgrNetQGrpMapAlloc)	long	The value of tFPResEgrNetQGrpMapAlloc represents the total number of egress network queue-group mappings that are currently allocated on this FP. The value of tFPResEgrNetQGrpMapAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since egress network queue-group mappings are subset of dynamic service entry resources.
egrNetQGrpMapTotal [Egr Net QGrp Map Total] (tFPResEgrNetQGrpMapTotal)	long	The value of tFPResEgrNetQGrpMapTotal represents the total number of egress network queue-group mappings that are supported on this FP. When the value of tFPResEgrNetQGrpMapTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEgrNetQGrpMapTotal will always be less than or equal to tFPResDynSvcEntryTotal since egress network queue-group mappings are subset of dynamic service entry resources.
egrPolicerAlloc [Egr Policer Alloc] (tFPResEgrPolicerAlloc)	long	The value of tFPResEgrPolicerAlloc represents the total number of egress policers that are currently allocated on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrPolicerStatAlloc [Egr Policer Stat Alloc] (tFPResEgrPolicerStatAlloc)	long	The value of tFPResEgrPolicerStatAlloc represents the total number of egress policer stats that are currently allocated on this FP.
egrPolicerStatTotal [Egr Policer Stat Total] (tFPResEgrPolicerStatTotal)	long	The value of tFPResEgrPolicerStatTotal represents the total number of egress policer stats that are supported on this FP. When the value of tFPResEgrPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
egrPolicerTotal [Egr Policer Total] (tFPResEgrPolicerTotal)	long	The value of tFPResEgrPolicerTotal represents the total number of egress policers that are supported on this FP. When the value of tFPResEgrPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
egrQ1NamedPoolAlloc [Egr Q1 Named Pool Alloc] (tFPResEgrQ1NamedPoolAlloc)	long	The value of tFPResEgrQ1NamedPoolAlloc represents the total number of egress Q1 named pools that are currently allocated on this FP.
egrQ1NamedPoolTotal [Egr Q1 Named Pool Total] (tFPResEgrQ1NamedPoolTotal)	long	The value of tFPResEgrQ1NamedPoolTotal represents the total number of egress Q1 named pools that are supported on this FP. When the value of tFPResEgrQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
egrQosEntryAlloc [Egr Qos Entry Alloc] (tFPResEgrQosEntryAlloc)	long	The value of tFPResEgrQosEntryAlloc represents the total number of egress QoS CAM entries that are currently allocated on this FP.
egrQosEntryTotal [Egr Qos Entry Total] (tFPResEgrQosEntryTotal)	long	The value of tFPResEgrQosEntryTotal represents the total number of egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrQueueAlloc [Egr Queue Alloc] (tFPResEgrQueueAlloc)	long	The value of tFPResEgrQueueAlloc represents the total number of egress queues that are currently allocated on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQueueTotal [Egr Queue Total] (tFPResEgrQueueTotal)	long	The value of tFPResEgrQueueTotal represents the total number of egress queues that are supported on this FP. When the value of tFPResEgrQueueTotal is zero, it indicates that this resource type is not supported on this FP.
egrRootArbiterAlloc [Egr Root Arbiter Alloc] (tFPResEgrRootArbiterAlloc)	long	The value of tFPResEgrRootArbiterAlloc represents the total number of egress root arbiters that are currently allocated on this FP.
egrRootArbiterTotal [Egr Root Arbiter Total] (tFPResEgrRootArbiterTotal)	long	The value of tFPResEgrRootArbiterTotal represents the total number of egress root arbiters that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
encapGrpMemberAlloc [Encap Grp Member Alloc] (tFPResEncapGrpMemberAlloc)	long	The value of tFPResEncapGrpMemberAlloc represents the total number of encap group members that are currently allocated on this FP. The value of tFPResEncapGrpMemberAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since encap group members are subset of dynamic service entry resources.
encapGrpMemberTotal [Encap Grp Member Total] (tFPResEncapGrpMemberTotal)	long	The value of tFPResEncapGrpMemberTotal represents the total number of encap group members that are supported on this FP. When the value of tFPResEncapGrpMemberTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEncapGrpMemberTotal will always be less than or equal to tFPResDynSvcEntryTotal since encap group members are subset of dynamic service entry resources.
ingAclEntryAlloc [Ing Acl Entry Alloc] (tFPResIngAclEntryAlloc)	long	The value of tFPResIngAclEntryAlloc represents the total number of ingress ACL CAM entries that are currently allocated on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingAclEntryTotal [Ing Acl Entry Total] (tFPResIngAclEntryTotal)	long	The value of tFPResIngAclEntryTotal represents the total number of ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclFilterAlloc [Ing Acl Filter Alloc] (tFPResIngAclFilterAlloc)	long	The value of tFPResIngAclFilterAlloc represents the total number of ingress MAC + IP ACL filter policies that are currently allocated on this FP.
ingAclFilterTotal [Ing Acl Filter Total] (tFPResIngAclFilterTotal)	long	The value of tFPResIngAclFilterTotal represents the total number of ingress MAC + IP ACL filter policies that are supported on this FP. Note that on 7750 SR-c4/c12 the CPM enforced limit for the total number of ACL filter policies is lower than the value of this object.
ingAclQosEntryAlloc [Ing Acl Qos Entry Alloc] (tFPResIngAclQosEntryAlloc)	long	The value of tFPResIngAclQosEntryAlloc represents the total number of combined ingress ACL and QoS CAM entries that are currently allocated on this FP.
ingAclQosEntryTotal [Ing Acl Qos Entry Total] (tFPResIngAclQosEntryTotal)	long	The value of tFPResIngAclQosEntryTotal represents the total number of combined ingress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResIngAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6AclEntryAlloc [Ing IPv 6 Acl Entry Alloc] (tFPResIngIPv6AclEntryAlloc)	long	The value of tFPResIngIPv6AclEntryAlloc represents the total number of IPv6 ingress ACL CAM entries that are currently allocated on this FP.
ingIPv6AclEntryTotal [Ing IPv 6 Acl Entry Total] (tFPResIngIPv6AclEntryTotal)	long	The value of tFPResIngIPv6AclEntryTotal represents the total number of IPv6 ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingIPv6QosEntryAlloc [Ing IPv 6 Qos Entry Alloc] (tFPResIngIPv6QosEntryAlloc)	long	The value of tFPResIngIPv6QosEntryAlloc represents the total number of IPv6 ingress QoS CAM entries that are currently allocated on this FP.
ingIPv6QosEntryTotal [Ing IPv 6 Qos Entry Total] (tFPResIngIPv6QosEntryTotal)	long	The value of tFPResIngIPv6QosEntryTotal represents the total number of IPv6 ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerAlloc [Ing Policer Alloc] (tFPResIngPolicerAlloc)	long	The value of tFPResIngPolicerAlloc represents the total number of ingress policers that are currently allocated on this FP.
ingPolicerStatAlloc [Ing Policer Stat Alloc] (tFPResIngPolicerStatAlloc)	long	The value of tFPResIngPolicerStatAlloc represents the total number of ingress policer stats that are currently allocated on this FP.
ingPolicerStatTotal [Ing Policer Stat Total] (tFPResIngPolicerStatTotal)	long	The value of tFPResIngPolicerStatTotal represents the total number of ingress policer stats that are supported on this FP. When the value of tFPResIngPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerTotal [Ing Policer Total] (tFPResIngPolicerTotal)	long	The value of tFPResIngPolicerTotal represents the total number of ingress policers that are supported on this FP. When the value of tFPResIngPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
ingQ1NamedPoolAlloc [Ing Q1 Named Pool Alloc] (tFPResIngQ1NamedPoolAlloc)	long	The value of tFPResIngQ1NamedPoolAlloc represents the total number of ingress Q1 named pools that are currently allocated on this FP.
ingQ1NamedPoolTotal [Ing Q1 Named Pool Total] (tFPResIngQ1NamedPoolTotal)	long	The value of tFPResIngQ1NamedPoolTotal represents the total number of ingress Q1 named pools that are supported on this FP. When the value of tFPResIngQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQosEntryAlloc [Ing Qos Entry Alloc] (tFPResIngQosEntryAlloc)	long	The value of tFPResIngQosEntryAlloc represents the total number of ingress QoS CAM entries that are currently allocated on this FP.
ingQosEntryTotal [Ing Qos Entry Total] (tFPResIngQosEntryTotal)	long	The value of tFPResIngQosEntryTotal represents the total number of ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingQueueAlloc [Ing Queue Alloc] (tFPResIngQueueAlloc)	long	The value of tFPResIngQueueAlloc represents the total number of ingress queues that are currently allocated on this FP.
ingQueueTotal [Ing Queue Total] (tFPResIngQueueTotal)	long	The value of tFPResIngQueueTotal represents the total number of ingress queues that are supported on this FP. When the value of tFPResIngQueueTotal is zero, it indicates that this resource type is not supported on this FP.
ingRootArbiterAlloc [Ing Root Arbiter Alloc] (tFPResIngRootArbiterAlloc)	long	The value of tFPResIngRootArbiterAlloc represents the total number of ingress root arbiters that are currently allocated on this FP.
ingRootArbiterTotal [Ing Root Arbiter Total] (tFPResIngRootArbiterTotal)	long	The value of tFPResIngRootArbiterTotal represents the total number of ingress root arbiters that are supported on this FP. When the value of tFPResIngRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
intArbiterAlloc [Int Arbiter Alloc] (tFPResIntArbiterAlloc)	long	The value of tFPResIntArbiterAlloc represents the total number of intermediate arbiters that are currently allocated on this FP.
intArbiterTotal [Int Arbiter Total] (tFPResIntArbiterTotal)	long	The value of tFPResIntArbiterTotal represents the total number of intermediate arbiters that are supported on this FP. When the value of tFPResIntArbiterTotal is zero, it indicates that this resource type is not supported on this FP.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
macFdbRecAlloc [Mac Fdb Rec Alloc] (tFPResMacFdbRecAlloc)	long	The value of tFPResMacFdbRecAlloc represents the total number of MAC Forwarding Data-Base (FDB) records that are currently allocated on this FP.
macFdbRecTotal [Mac Fdb Rec Total] (tFPResMacFdbRecTotal)	long	The value of tFPResMacFdbRecTotal represents the total number of MAC Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResMacFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
resRvplsFdbRecAlloc [Res Rvpls Fdb Rec Alloc] (tFPResResRvplsFdbRecAlloc)	long	The value of tFPResResRvplsFdbRecAlloc represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are currently allocated on this FP.
resRvplsFdbRecTotal [Res Rvpls Fdb Rec Total] (tFPResResRvplsFdbRecTotal)	long	The value of tFPResResRvplsFdbRecTotal represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResResRvplsFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tFPResSapIngQosPolAlloc)	long	The value of tFPResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently allocated on this FP.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tFPResSapIngQosPolTotal)	long	The value of tFPResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be in use on this FP.
subHostAlloc [Sub Host Alloc] (tFPResSubHostAlloc)	long	The value of tFPResSubHostAlloc represents the total number of subscriber hosts that are currently allocated on this FP. The value of tFPResSubHostAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since subscriber host resources are subset of dynamic service entry resources.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subHostTotal [Sub Host Total] (tFPResSubHostTotal)	long	The value of tFPResSubHostTotal represents the total number of subscriber hosts that are supported on this FP. When the value of tFPResSubHostTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResSubHostTotal will always be less than or equal to tFPResDynSvcEntryTotal since subscriber host resources are subset of dynamic service entry resources.
<p>FpDynamicEnforcementP1crStat MIB entry name: tmnxFpDcpDynEnfrcP1crStatEntry Entry description: The value of tmnxFpDcpDynEnfrcP1crStatEntry represents statistics information per forwarding plane for the dynamic enforcement policer. Table description (for tmnxFpDcpDynEnfrcP1crStatTable): The tmnxFpDcpDynEnfrcP1crStatTable has the statistics information of the dynamic enforcement policer per forwarding plane. Supports realtime plotting Supports scheduled collection Monitored class: equipment.ForwardingPlane</p>		
allocFailCount [Alloc Fail Count] (tmnxFpDcpDynP1crAllocFailCount)	long	The value of tmnxFpDcpDynP1crAllocFailCount indicated the number of times the system failed to allocate dynamic enforcement policers.
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hiWtrMrkHitCnt [Hi Wtr Mrk Hit Cnt] (tmnxFpDcpDynPlcrHiWtrMrkHitCnt)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkHitCnt indicates the maximum number of dynamic enforcement policers in use at any point of time.
hiWtrMrkTime [Hi Wtr Mrk Time] (tmnxFpDcpDynPlcrHiWtrMrkTime)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkTime indicates the time at which maximum number of dynamic enforcement policers was hit.
inUse [In Use] (tmnxFpDcpDynPlcrInUse)	long	The value of tmnxFpDcpDynPlcrInUse indicated the number of dynamic enforcement policers currently in use by the system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IngressPortFwdEngDropReasonStats</p> <p>MIB entry name: tPortIngressFwdEngDRStatsEntry</p> <p>Entry description: The value of tPortIngressFwdEngDRStatsEntry specifies per-reason drop statistics on each port for the packets dropped by the forwarding engine.</p> <p>Table description (for tPortIngressFwdEngDRStatsTable): The value of tPortIngressFwdEngDRStatsTable specifies per-reason drop statistics on each port for the packets dropped by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
aclFilterDiscards [Acl Filter Discards] (tFwdEngDRACLFilterDiscards)	java. math. BigInteger	The value of tFwdEngDRACLFilterDiscards indicates the total number of packets dropped by forwarding engine due to packets dropped by ACL filter on the line card. This does not include packets dropped by CPM filters or ESM antispoof filters.
bfdSpoofCheckFailed [Bfd Spoof Check Failed] (tFwdEngDRBFDSpoofChkFailed)	java. math. BigInteger	The value of tFwdEngDRBFDSpoofChkFailed indicates the total number of packets dropped by forwarding engine due to the received BFD packet either failed the TTL check or failed the source IP address lookup of known sessions.
ipRouteBlackHoled [Ip Route Black Holed] (tFwdEngDRIpRouteBlackHoled)	java. math. BigInteger	The value of tFwdEngDRIpRouteBlackHoled indicates the total number of packets dropped by forwarding engine due to IP address of the packet matching a black hole route.
ipv4HeaderErr [Ipv 4 Header Err] (tFwdEngDRIpv4HeaderError)	java. math. BigInteger	The value of tFwdEngDRIpv4HeaderError indicates the total number of packets dropped by forwarding engine due an error in the IPv4 packet header such as an IPv4 header checksum error, an invalid IP version number (not IPv4 or IPv6) or an incorrect Total Length field.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4InvalidAddr [Ipv 4 Invalid Addr] (tFwdEngDRIpv4InvalidAddress)	java. math. BigInteger	The value of tFwdEngDRIpv4InvalidAddress indicates the total number of packets dropped by forwarding engine due to an error in source (SA) or destination (DA) IPv4 address. Some examples include class D or class E IPv4 DAs, loopback SA (127.0.0.0/8), 0.0.0.0/8 DA, SA is a subnet broadcast or network address, and non-IP traffic arriving on an IP interface that is not a valid L2 protocol for that interface (valid protocols may include ARP, ISIS and PPP control), and cases where the IPv4 address is a multicast address but the ethernet destination address is not RFC1112 compliant. RFC1112 checks are also carried out on IPIPE traffic.
ipv6HeaderErr [Ipv 6 Header Err] (tFwdEngDRIpv6HeaderError)	java. math. BigInteger	The value of tFwdEngDRIpv6HeaderError indicates the total number of packets dropped by forwarding engine due to an error in the IPv6 packet header such as an incorrect payload length field or an IP version not equal to 'IPv6' when the ethernet etype or PPP ID indicates it is IPv6.
ipv6InvalidAddr [Ipv 6 Invalid Addr] (tFwdEngDRIpv6InvalidAddress)	java. math. BigInteger	The value of tFwdEngDRIpv6InvalidAddress indicates the total number of packets dropped by forwarding engine due to error in source (SA) or destination (DA) IPv6 addresses. Some examples include an unspecified IPv6 DA, an IPv6 multicast SA, non-IP traffic arriving on an IP interface or into an IPIPE service that is not a valid L2 protocol for that interface (valid protocols may include ARP, ISIS and PPP control), and cases where the IPv6 address is a multicast address but the ethernet destination address is not RFC2464 compliant. RFC 2464 checks are also carried out on IPIPE traffic.
l2ServiceMTUExceeded [L2 Service MTUExceeded] (tFwdEngDRL2ServiceMTUExceed)	java. math. BigInteger	The value of tFwdEngDRL2ServiceMTUExceed indicates the total number of packets dropped by forwarding engine due to the length of the packet received on a SAP bound to a Layer 2 service (e.g. VPLS, Epipe) exceeded the configured MTU for the service.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multicastMACWithUnicastDestIP [Multicast MACWith Unicast Dest IP] (tFwdEngDRMcastMACUnicastDstIp)	java. math. BigInteger	The value of tFwdEngDRMcastMACUnicastDstIp indicates the total number of packets dropped by forwarding engine due to the destination MAC address being multicast but the IP address is unicast.
needsICMP [Needs ICMP] (tFwdEngDRNeedsICMP)	java. math. BigInteger	The value of tFwdEngDRNeedsICMP indicates the total number of packets dropped by forwarding engine and the received packet requires the router to generate an ICMP message. Some examples include when the IP packet TTL is expired or the destination host, network or Enhanced Subscriber Management (ESM) subscriber is unreachable. Host unreachable can occur, amongst other reasons, if the destination address (e.g. 10.0.1.2) of a packet resolves to a loopback interface subnet (e.g. 10.0.1.1/24) but doesn't match the specific loopback address (e.g. 10.0.1.1). Destination unreachable can also occur, for example, in response to an IPv6 packet received by a router from a point-to-point link (e.g. a non-ethernet link) destined to an address within a subnet assigned to that same link (other than one of the receiving router's own addresses) as described in RFC 4443.
unicastMACDestnAddrMismatch [Unicast MACDestn Addr Mismatch] (tFwdEngDRUcastMACDstAddMismatch)	java. math. BigInteger	The value of tFwdEngDRUcastMACDstAddMismatch indicates the total number of packets dropped by forwarding engine due to the unicast destination MAC address not being present or when it does not match any of the expected MAC addresses associated with the receiving interface. Packets with multicast or broadcast MAC addresses do not increment this counter.
unicastRPFCheckFailed [Unicast RPFCheck Failed] (tFwdEngDRUcastRPFChkFailed)	java. math. BigInteger	The value of tFwdEngDRUcastRPFChkFailed indicates the total number of packets dropped by forwarding engine due to IP packet failed the unicast reverse path forwarding (uRPF) check.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownMACDestnAddrDiscardedInVPLS [Unknown MACDestn Addr Discarded In VPLS] (tFwdEngDRUnkwnMACDstAddDscrd- VPLS)	java. math. BigInte- ger	The value of tFwdEngDRUnkwnMACDstAddDscrdVPLS indicates the total number of packets dropped by forwarding engine due to the destination MAC address lookup in the MAC FIB failed and the VPLS service is configured to discard packets with unknown destination MAC addresses.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPolicyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
<p>LaneDDMStats</p> <p>MIB entry name: tmnxDDMLaneEntry</p> <p>Entry description: Each row represents a particular multi-lane optic that supports Digital Diagnostic Monitoring Lanes. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDDMLaneTable): The tmnxDDMLaneTable has an entry for each multi-lane optic in the system that supports Lane Digital Diagnostic Monitoring (DDM). The table is indexed by tmnxPortPortID and tmnxDDMLaneId. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable multi-lane optics. Some example multi-lane optics are : CFP, CFP2, CFP4, QSFP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.LaneDDM</p>		
rxOpticalPower [Rx Optical Power] (tmnxDDMLaneRxOpticalPower)	float	The value of tmnxDDMLaneRxOpticalPower indicates the current Received Optical Power of the multi-lane optic in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMLaneRxOpticalPowerType)	int	The value of tmnxDDMLaneRxOpticalPowerType indicates whether the tmnxDDMLaneRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMLaneTemperature)	float	The value of tmnxDDMLaneTemperature indicates the current temperature of the multi-lane optic in 1/256th degrees Celsius. The formula for translating between the value of tmnxDDMLaneTemperature and degrees Celsius is: $\text{tmnxDDMLaneTemperature} / 256$ For example: The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMLaneTxBiasCurrent)	float	The value of tmnxDDMLaneTxBiasCurrent indicates the current Transmit Bias Current of the multi-lane optic in 1/500 milliamperes (mA). The formula for translating between the value of tmnxDDMLaneTxBiasCurrent and amperes is: $\text{tmnxDDMLaneTxBiasCurrent} / 500$ For example: The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMLaneTxOutputPower)	float	The value of tmnxDDMLaneTxOutputPower indicates the current Output Power of the multi-lane optic in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
MDAResourceStats MIB entry name: tMDAResEntry Entry description: The value of tMDAResEntry represents MDA specific system resource information. Table description (for tMDAResTable): The value of tMDAResTable represents system resource information that are specific to MDA for a particular card on a given chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
egrHsmdaQGrpAlloc [Egr Hsmda QGrp Alloc] (tMDAResEgrHsmdaQGrpAlloc)	long	The value of tMDAResEgrHsmdaQGrpAlloc represents the total number of egress HSMDA queue-groups that are currently allocated on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrHsmdaQGrpTotal [Egr Hsmda QGrp Total] (tMDAResEgrHsmdaQGrpTotal)	long	The value of tMDAResEgrHsmdaQGrpTotal represents the total number of egress HSMDA queue-groups that are supported on this MDA. When the value of tMDAResEgrHsmdaQGrpTotal is zero, it indicates that this resource type is not supported on this MDA.
egrHsmdaSecShaperAlloc [Egr Hsmda Sec Shaper Alloc] (tMDAResEgrHsmdaSecShaperAlloc)	long	The value of tMDAResEgrHsmdaSecShaperAlloc represents the total number of egress HSMDA secondary-shapers that are currently allocated on this MDA.
egrHsmdaSecShaperTotal [Egr Hsmda Sec Shaper Total] (tMDAResEgrHsmdaSecShaperTotal)	long	The value of tMDAResEgrHsmdaSecShaperTotal represents the total number of egress HSMDA secondary-shapers that are supported on this MDA. When the value of tMDAResEgrHsmdaSecShaperTotal is zero, it indicates that this resource type is not supported on this MDA.
<p>MediaIndependentStats MIB entry name: mediaIndependentEntry Entry description: Media independent statistics for promiscuous monitoring of any media. Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHighCapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUCastHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MemoryUtilizationStats</p> <p>MIB entry name: tmnxCardMemResMonitorEntry</p> <p>Entry description: The tmnxCardMemResMonitorEntry contains the card's memory usage statistics.</p> <p>Table description (for tmnxCardMemResMonitorTable): The tmnxCardMemResMonitorTable details the specified current card's memory resources. The information described in this table is volatile and dependent on the current environmental conditions. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
memoryAvailable [Memory Available] (tmnxCardMemResMemoryAvailable)	long	The value of tmnxCardMemResMemoryAvailable indicates the amount of free memory, in kilobytes, in the card that is not allocated to memory pools, but is available in case a memory pool needs to grow.
memoryUsed [Memory Used] (tmnxCardMemResMemoryUsed)	long	The value of tmnxCardMemResMemoryUsed indicates the total pre-allocated pool memory, in kilobytes, currently in use on the card.
poolsAllocated [Pools Allocated] (tmnxCardMemResPoolsAllocated)	long	The value of tmnxCardMemResPoolsAllocated indicates the total memory, in kilobytes, currently allocated in memory-pools on the card. This memory may or may not be currently in use, but is pre-allocated should the software need to use it.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressAggregateStats</p> <p>MIB entry name: tmnxPortEgrAggStatsEntry</p> <p>Entry description: The value of tmnxPortEgrAggStatsEntry specifies Aggregate Egress traffic statistics for the ports. This entry is created for all the ports that has the value of tmnxPortMonitorAggEgrQueueStats being set to 'enabled (1)'.</p> <p>Table description (for tmnxPortEgrAggStatsTable): The value of tmnxPortEgrAggStatsTable specifies Aggregate Egress traffic statistics for the ports.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
portEgrAggDropInProfOcts [Port Egr Agg Drop In Prof Octs] (tmnxPortEgrAggDropInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggDropInProfOcts indicates the number of conforming aggregate egress octets dropped on this port.
portEgrAggDropInProfPkts [Port Egr Agg Drop In Prof Pkts] (tmnxPortEgrAggDropInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggDropInProfPkts indicates the number of conforming aggregate egress packets dropped on this port.
portEgrAggDropOutProfOcts [Port Egr Agg Drop Out Prof Octs] (tmnxPortEgrAggDropOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggDropOutProfOcts indicates the number of exceeding aggregate egress octets dropped on this port.
portEgrAggDropOutProfPkts [Port Egr Agg Drop Out Prof Pkts] (tmnxPortEgrAggDropOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggDropOutProfPkts indicates the number of exceeding aggregate egress packets dropped on this port.
portEgrAggFwdInProfOcts [Port Egr Agg Fwd In Prof Octs] (tmnxPortEgrAggFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdInProfOcts indicates the number of conforming aggregate egress octets forwarded on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrAggFwdInProfPkts [Port Egr Agg Fwd In Prof Pkts] (tmnxPortEgrAggFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdInProfPkts indicates the number of conforming aggregate egress packets forwarded on this port.
portEgrAggFwdOutProfOcts [Port Egr Agg Fwd Out Prof Octs] (tmnxPortEgrAggFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdOutProfOcts indicates the number of exceeding aggregate egress octets forwarded on this port.
portEgrAggFwdOutProfPkts [Port Egr Agg Fwd Out Prof Pkts] (tmnxPortEgrAggFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdOutProfPkts indicates the number of exceeding aggregate egress packets forwarded on this port.
<p>PortEgressMonitorThresholdStats MIB entry name: tPortEgrMonThrEntry Entry description: The value of tPortEgrMonThrEntry represents threshold monitoring information for port scheduler policy specified by tmnxPortEgrPortSchedPlcy for each ethernet egress port when the value of tmnxPortEgrMonitorPortSched is set to 'enabled (1)'. Table description (for tPortEgrMonThrTable): The value of tPortEgrMonThrTable contains port scheduler policy's threshold monitoring information for each ethernet egress port when the value of tmnxPortEgrMonitorPortSched is set to 'enabled (1)'. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
egrMonThrEndTime [Egr Mon Thr End Time] (tPortEgrMonThrEndTime)	long	The value of tPortEgrMonThrEndTime represents the end time for threshold monitoring.
egrMonThrGrp1ExceedCnt [Egr Mon Thr Grp 1 Exceed Cnt] (tPortEgrMonThrGrp1ExceedCnt)	long	The value of tPortEgrMonThrGrp1ExceedCnt represents the exceed count for group 1 specified by tPortEgrMonThrGrp1Name.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrGrp1Name [Egr Mon Thr Grp 1 Name] (tPortEgrMonThrGrp1Name)	String	The value of tPortEgrMonThrGrp1Name represents port scheduler policy's group name.
egrMonThrGrp2ExceedCnt [Egr Mon Thr Grp 2 Exceed Cnt] (tPortEgrMonThrGrp2ExceedCnt)	long	The value of tPortEgrMonThrGrp2ExceedCnt represents the exceed count for group 2 specified by tPortEgrMonThrGrp2Name.
egrMonThrGrp2Name [Egr Mon Thr Grp 2 Name] (tPortEgrMonThrGrp2Name)	String	The value of tPortEgrMonThrGrp2Name represents port scheduler policy's group name.
egrMonThrGrp3ExceedCnt [Egr Mon Thr Grp 3 Exceed Cnt] (tPortEgrMonThrGrp3ExceedCnt)	long	The value of tPortEgrMonThrGrp3ExceedCnt represents the exceed count for group 3 specified by tPortEgrMonThrGrp3Name.
egrMonThrGrp3Name [Egr Mon Thr Grp 3 Name] (tPortEgrMonThrGrp3Name)	String	The value of tPortEgrMonThrGrp3Name represents port scheduler policy's group name.
egrMonThrGrp4ExceedCnt [Egr Mon Thr Grp 4 Exceed Cnt] (tPortEgrMonThrGrp4ExceedCnt)	long	The value of tPortEgrMonThrGrp4ExceedCnt represents the exceed count for group 4 specified by tPortEgrMonThrGrp4Name.
egrMonThrGrp4Name [Egr Mon Thr Grp 4 Name] (tPortEgrMonThrGrp4Name)	String	The value of tPortEgrMonThrGrp4Name represents port scheduler policy's group name.
egrMonThrGrp5ExceedCnt [Egr Mon Thr Grp 5 Exceed Cnt] (tPortEgrMonThrGrp5ExceedCnt)	long	The value of tPortEgrMonThrGrp5ExceedCnt represents the exceed count for group 5 specified by tPortEgrMonThrGrp5Name.
egrMonThrGrp5Name [Egr Mon Thr Grp 5 Name] (tPortEgrMonThrGrp5Name)	String	The value of tPortEgrMonThrGrp5Name represents port scheduler policy's group name.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrGrp6ExceedCnt [Egr Mon Thr Grp 6 Exceed Cnt] (tPortEgrMonThrGrp6ExceedCnt)	long	The value of tPortEgrMonThrGrp6ExceedCnt represents the exceed count for group 6 specified by tPortEgrMonThrGrp6Name.
egrMonThrGrp6Name [Egr Mon Thr Grp 6 Name] (tPortEgrMonThrGrp6Name)	String	The value of tPortEgrMonThrGrp6Name represents port scheduler policy's group name.
egrMonThrGrp7ExceedCnt [Egr Mon Thr Grp 7 Exceed Cnt] (tPortEgrMonThrGrp7ExceedCnt)	long	The value of tPortEgrMonThrGrp7ExceedCnt represents the exceed count for group 7 specified by tPortEgrMonThrGrp7Name.
egrMonThrGrp7Name [Egr Mon Thr Grp 7 Name] (tPortEgrMonThrGrp7Name)	String	The value of tPortEgrMonThrGrp7Name represents port scheduler policy's group name.
egrMonThrGrp8ExceedCnt [Egr Mon Thr Grp 8 Exceed Cnt] (tPortEgrMonThrGrp8ExceedCnt)	long	The value of tPortEgrMonThrGrp8ExceedCnt represents the exceed count for group 8 specified by tPortEgrMonThrGrp8Name.
egrMonThrGrp8Name [Egr Mon Thr Grp 8 Name] (tPortEgrMonThrGrp8Name)	String	The value of tPortEgrMonThrGrp8Name represents port scheduler policy's group name.
egrMonThrLvl1ExceedCnt [Egr Mon Thr Lvl 1 Exceed Cnt] (tPortEgrMonThrLvl1ExceedCnt)	long	The value of tPortEgrMonThrLvl1ExceedCnt represents the exceed count for priority level 1.
egrMonThrLvl2ExceedCnt [Egr Mon Thr Lvl 2 Exceed Cnt] (tPortEgrMonThrLvl2ExceedCnt)	long	The value of tPortEgrMonThrLvl2ExceedCnt represents the exceed count for priority level 2.
egrMonThrLvl3ExceedCnt [Egr Mon Thr Lvl 3 Exceed Cnt] (tPortEgrMonThrLvl3ExceedCnt)	long	The value of tPortEgrMonThrLvl3ExceedCnt represents the exceed count for priority level 3.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrLvl4ExceedCnt [Egr Mon Thr Lvl 4 Exceed Cnt] (tPortEgrMonThrLvl4ExceedCnt)	long	The value of tPortEgrMonThrLvl4ExceedCnt represents the exceed count for priority level 4.
egrMonThrLvl5ExceedCnt [Egr Mon Thr Lvl 5 Exceed Cnt] (tPortEgrMonThrLvl5ExceedCnt)	long	The value of tPortEgrMonThrLvl5ExceedCnt represents the exceed count for priority level 5.
egrMonThrLvl6ExceedCnt [Egr Mon Thr Lvl 6 Exceed Cnt] (tPortEgrMonThrLvl6ExceedCnt)	long	The value of tPortEgrMonThrLvl6ExceedCnt represents the exceed count for priority level 6.
egrMonThrLvl7ExceedCnt [Egr Mon Thr Lvl 7 Exceed Cnt] (tPortEgrMonThrLvl7ExceedCnt)	long	The value of tPortEgrMonThrLvl7ExceedCnt represents the exceed count for priority level 7.
egrMonThrLvl8ExceedCnt [Egr Mon Thr Lvl 8 Exceed Cnt] (tPortEgrMonThrLvl8ExceedCnt)	long	The value of tPortEgrMonThrLvl8ExceedCnt represents the exceed count for priority level 8.
egrMonThrPortExceedCnt [Egr Mon Thr Port Exceed Cnt] (tPortEgrMonThrPortExceedCnt)	long	The value of tPortEgrMonThrPortExceedCnt represents the exceed count for egress port scheduler.
egrMonThrStartTime [Egr Mon Thr Start Time] (tPortEgrMonThrStartTime)	long	The value of tPortEgrMonThrStartTime represents the start time for threshold monitoring.
egrMonThrTotalSamples [Egr Mon Thr Total Samples] (tPortEgrMonThrTotalSamples)	long	The value of tPortEgrMonThrTotalSamples represents total samples collected during the threshold monitoring interval.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipMdaStats</p> <p>MIB entry name: tmnxSubMgmtMdaStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a MDA on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtMdaStatsTable): The tmnxSubMgmtMdaStatsTable has an entry with statistics for each MDA on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCard</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtMdaSSubscribers)	long	The value of tmnxSubMgmtMdaSSubscribers indicates the number of current subscribers on this MDA.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtMdaSSubscribersPeak)	long	The value of tmnxSubMgmtMdaSSubscribersPeak indicates the peak number of subscribers on this MDA.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtMdaSV4AaaTrig)	long	The value of tmnxSubMgmtMdaSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this MDA.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtMdaSV4AaaTrigPeak)	long	The value of tmnxSubMgmtMdaSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this MDA.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtMdaSV4DataTrig)	long	The value of tmnxSubMgmtMdaSV4DataTrig indicates the number of current V4 data-triggered hosts on this MDA.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtMdaSV4DataTrigPeak)	long	The value of tmnxSubMgmtMdaSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtMdaSV6DataTrig)	long	The value of tmnxSubMgmtMdaSV6DataTrig indicates the number of current V6 data-triggered hosts on this MDA.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtMdaSV6DataTrigMr)	long	The value of tmnxSubMgmtMdaSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this MDA.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtMdaSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtMdaSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this MDA.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtMdaSV6DataTrigPd)	long	The value of tmnxSubMgmtMdaSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this MDA.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtMdaSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtMdaSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this MDA.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtMdaSV6DataTrigPeak)	long	The value of tmnxSubMgmtMdaSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this MDA.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtMdaSlpoeHosts)	long	The value of tmnxSubMgmtMdaSlpoeHosts indicates the number of current IPOE hosts on this MDA.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtMdaSlpoeHostsPeak)	long	The value of tmnxSubMgmtMdaSlpoeHostsPeak indicates the peak number of IPOE hosts on this MDA.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtMdaSV4)	long	The value of tmnxSubMgmtMdaSV4 indicates the number of current V4 hosts on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtMdaSV4Peak)	long	The value of tmnxSubMgmtMdaSV4Peak indicates the peak number of V4 hosts on this MDA.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtMdaSArp)	long	The value of tmnxSubMgmtMdaSArp indicates the number of current IPOE hosts (ARP) on this MDA.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtMdaSArpPeak)	long	The value of tmnxSubMgmtMdaSArpPeak indicates the peak number of IPOE hosts (ARP) on this MDA.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtMdaSDhcpBsm)	long	The value of tmnxSubMgmtMdaSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this MDA.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtMdaSDhcpBsmAs)	long	The value of tmnxSubMgmtMdaSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this MDA.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtMdaSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtMdaSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this MDA.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtMdaSDhcpBsmPeak)	long	The value of tmnxSubMgmtMdaSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this MDA.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtMdaSDhcp)	long	The value of tmnxSubMgmtMdaSDhcp indicates the number of current IPOE hosts (DHCP) on this MDA.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtMdaSDhcpPeak)	long	The value of tmnxSubMgmtMdaSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtMdaSIpcp)	long	The value of tmnxSubMgmtMdaSIpcp indicates the number of current PPP hosts (IPCP) on this MDA.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtMdaSIpcpPeak)	long	The value of tmnxSubMgmtMdaSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this MDA.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtMdaSL2tpHost)	long	The value of tmnxSubMgmtMdaSL2tpHost indicates the number of current L2TP hosts (LAC) on this MDA.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtMdaSL2tpHostPeak)	long	The value of tmnxSubMgmtMdaSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this MDA.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtMdaSNonSub)	long	The value of tmnxSubMgmtMdaSNonSub indicates the number of current Non Sub hosts on this MDA.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtMdaSNonSubPeak)	long	The value of tmnxSubMgmtMdaSNonSubPeak indicates the peak number of Non Sub hosts on this MDA.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtMdaSStaticBsm)	long	The value of tmnxSubMgmtMdaSStaticBsm indicates the number of current IPOE BSM static hosts on this MDA.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtMdaSStaticBsmAs)	long	The value of tmnxSubMgmtMdaSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this MDA.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtMdaSStaticBsmAsPeak)	long	The value of tmnxSubMgmtMdaSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtMdaSStaticBsmPeak)	long	The value of tmnxSubMgmtMdaSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this MDA.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtMdaSStatic)	long	The value of tmnxSubMgmtMdaSStatic indicates the number of current IPOE hosts (Static) on this MDA.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtMdaSStaticPeak)	long	The value of tmnxSubMgmtMdaSStaticPeak indicates the peak number of IPOE hosts (Static) on this MDA.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtMdaSTotDhcp)	long	The value of tmnxSubMgmtMdaSTotDhcp indicates the number of current DHCP hosts on this MDA.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtMdaSTotDhcpPeak)	long	The value of tmnxSubMgmtMdaSTotDhcpPeak indicates the peak number of DHCP hosts on this MDA.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtMdaSBsmDhcp6Na)	long	The value of tmnxSubMgmtMdaSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this MDA.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtMdaSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this MDA.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtMdaSBsmDhcp6Pd)	long	The value of tmnxSubMgmtMdaSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this MDA.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtMdaSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoE Dhcp6Mr [Ipv 6 IpoE Dhcp 6 Mr] (tmnxSubMgmtMdaSIpoE Dhcp6Mr)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp6Mr indicates the number of current IPOE PD Managed Routes on this MDA.
ipv6IpoE Dhcp6MrPeak [Ipv 6 IpoE Dhcp 6 Mr Peak] (tmnxSubMgmtMdaSIpoE Dhcp6MrPeak)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this MDA.
ipv6IpoE Dhcp6NaHosts [Ipv 6 IpoE Dhcp 6 Na Hosts] (tmnxSubMgmtMdaSIpoE Dhcp6Na)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this MDA.
ipv6IpoE Dhcp6NaHostsPeak [Ipv 6 IpoE Dhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSIpoE Dhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this MDA.
ipv6IpoE Dhcp6PdHosts [Ipv 6 IpoE Dhcp 6 Pd Hosts] (tmnxSubMgmtMdaSIpoE Dhcp6Pd)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this MDA.
ipv6IpoE Dhcp6PdHostsPeak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSIpoE Dhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this MDA.
ipv6IpoE SlaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtMdaSIpoE Slaac)	long	The value of tmnxSubMgmtMdaSIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this MDA.
ipv6IpoE SlaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtMdaSIpoE SlaacPeak)	long	The value of tmnxSubMgmtMdaSIpoE SlaacPeak indicates the peak number of IPOE hosts (SLAAC) on this MDA.
ipv6IpoE StaticPd [Ipv 6 IpoE Static Pd] (tmnxSubMgmtMdaSV6StaticPd)	long	The value of tmnxSubMgmtMdaSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEStaticPdPeak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtMdaSV6StaticPdPeak)	long	The value of tmnxSubMgmtMdaSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this MDA.
ipv6IpoEStaticWan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtMdaSV6StaticWan)	long	The value of tmnxSubMgmtMdaSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this MDA.
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtMdaSV6StaticWanPeak)	long	The value of tmnxSubMgmtMdaSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this MDA.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtMdaSPppDhcp6Mr)	long	The value of tmnxSubMgmtMdaSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this MDA.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtMdaSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this MDA.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtMdaSPppDhcp6Na)	long	The value of tmnxSubMgmtMdaSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtMdaSPppDhcp6Pd)	long	The value of tmnxSubMgmtMdaSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this MDA.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtMdaSPppSlaac)	long	The value of tmnxSubMgmtMdaSPppSlaac indicates the number of current PPP hosts (SLAAC) on this MDA.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtMdaSPppSlaacPeak)	long	The value of tmnxSubMgmtMdaSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this MDA.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtMdaSTotDhcpV6)	long	The value of tmnxSubMgmtMdaSTotDhcpV6 indicates the number of current DHCPv6 hosts on this MDA.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtMdaSTotDhcpV6Peak)	long	The value of tmnxSubMgmtMdaSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this MDA.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtMdaSTotMngdRt)	long	The value of tmnxSubMgmtMdaSTotMngdRt indicates the number of current PD Managed Routes on this MDA.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtMdaSTotMngdRtPeak)	long	The value of tmnxSubMgmtMdaSTotMngdRtPeak indicates the peak number of PD Managed Routes on this MDA.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtMdaSV6)	long	The value of tmnxSubMgmtMdaSV6 indicates the number of current V6 hosts on this MDA.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtMdaSV6Peak)	long	The value of tmnxSubMgmtMdaSV6Peak indicates the peak number of V6 hosts on this MDA.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtMdaSTotal)	long	The value of tmnxSubMgmtMdaSTotal indicates the number of current total hosts on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtMdaSTotalPeak)	long	The value of tmnxSubMgmtMdaSTotalPeak indicates the peak number of total hosts on this MDA.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtMdaSPppHosts)	long	The value of tmnxSubMgmtMdaSPppHosts indicates the number of current PPP hosts on this MDA.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtMdaSPppHostsPeak)	long	The value of tmnxSubMgmtMdaSPppHostsPeak indicates the peak number of PPP hosts on this MDA.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtMdaSPppLacL2tp)	long	The value of tmnxSubMgmtMdaSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLacL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtMdaSPppLacOA)	long	The value of tmnxSubMgmtMdaSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtMdaSPppLacOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtMdaSPppLacOEOA)	long	The value of tmnxSubMgmtMdaSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtMdaSPppLacOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtMdaSPppLacOE)	long	The value of tmnxSubMgmtMdaSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtMdaSPppLacOEPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtMdaSPppLclL2tp)	long	The value of tmnxSubMgmtMdaSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLclL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtMdaSPppLclOA)	long	The value of tmnxSubMgmtMdaSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtMdaSPppLclOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtMdaSPppLclOEOA)	long	The value of tmnxSubMgmtMdaSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtMdaSPppLclOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtMdaSPppLclOE)	long	The value of tmnxSubMgmtMdaSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtMdaSPppLclOEPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this MDA.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtMdaSPppLclTotal)	long	The value of tmnxSubMgmtMdaSPppLclTotal indicates the total number of current locally terminated PPP sessions on this MDA.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtMdaSPppLclTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this MDA.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtMdaSPppSessIs)	long	The value of tmnxSubMgmtMdaSPppSessIs indicates the number of current PPP sessions in setup on this MDA.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtMdaSPppSessIsPeak)	long	The value of tmnxSubMgmtMdaSPppSessIsPeak indicates the peak number of PPP sessions in setup on this MDA.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtMdaSPppSessTotal)	long	The value of tmnxSubMgmtMdaSPppSessTotal indicates the total number of current PPP sessions established on this MDA.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtMdaSPppSessTotalPeak)	long	The value of tmnxSubMgmtMdaSPppSessTotalPeak indicates the total peak number of PPP sessions established on this MDA.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtMdaSPppLacTotal)	long	The value of tmnxSubMgmtMdaSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this MDA.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtMdaSPppLacTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalInternal [Total Internal] (tmnxSubMgmtMdaSTotInternal)	long	The value of tmnxSubMgmtMdaSTotInternal indicates the number of current internal hosts on this MDA.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtMdaSTotInternalPeak)	long	The value of tmnxSubMgmtMdaSTotInternalPeak indicates the peak number of internal hosts on this MDA.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtMdaSIpoesSesIs)	long	The value of tmnxSubMgmtMdaSIpoesSesIs indicates the number of current IPOE sessions in setup on this MDA.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtMdaSIpoesSesIsPeak)	long	The value of tmnxSubMgmtMdaSIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this MDA.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtMdaSIpoesSesTotal)	long	The value of tmnxSubMgmtMdaSIpoesSesTotal indicates the number of current IPOE sessions on this MDA.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtMdaSIpoesSesTotalPeak)	long	The value of tmnxSubMgmtMdaSIpoesSesTotalPeak indicates the peak number of IPOE sessions on this MDA.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipPortStats</p> <p>MIB entry name: tmnxSubMgmtPortStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a port on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtPortStatsTable): The tmnxSubMgmtPortStatsTable has an entry with statistics for each port on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface • pxc.PortCrossConnectSubPort 		
cardPortId [Card Port Id] (tmnxSubMgmtPortID)	long	tmnxSubMgmtPortID is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtPortSSubscribers)	long	The value of tmnxSubMgmtPortSSubscribers indicates the number of current subscribers on this port.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPortSSubscribersPeak)	long	The value of tmnxSubMgmtPortSSubscribersPeak indicates the peak number of subscribers on this port.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtPortSV4AaaTrig)	long	The value of tmnxSubMgmtPortSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this port.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtPortSV4AaaTrigPeak)	long	The value of tmnxSubMgmtPortSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtPortSV4DataTrig)	long	The value of tmnxSubMgmtPortSV4DataTrig indicates the number of current V4 data-triggered hosts on this port.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtPortSV4DataTrigPeak)	long	The value of tmnxSubMgmtPortSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this port.
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtPortSV6DataTrig)	long	The value of tmnxSubMgmtPortSV6DataTrig indicates the number of current V6 data-triggered hosts on this port.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtPortSV6DataTrigMr)	long	The value of tmnxSubMgmtPortSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this port.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtPortSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtPortSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this port.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtPortSV6DataTrigPd)	long	The value of tmnxSubMgmtPortSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this port.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtPortSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtPortSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this port.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtPortSV6DataTrigPeak)	long	The value of tmnxSubMgmtPortSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this port.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPortSIpoeHosts)	long	The value of tmnxSubMgmtPortSIpoeHosts indicates the number of current IPOE hosts on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPortSpoeHostsPeak)	long	The value of tmnxSubMgmtPortSpoeHostsPeak indicates the peak number of IPOE hosts on this port.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPortSV4)	long	The value of tmnxSubMgmtPortSV4 indicates the number of current V4 hosts on this port.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPortSV4Peak)	long	The value of tmnxSubMgmtPortSV4Peak indicates the peak number of V4 hosts on this port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPortSArp)	long	The value of tmnxSubMgmtPortSArp indicates the number of current IPOE hosts (ARP) on this port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPortSArpPeak)	long	The value of tmnxSubMgmtPortSArpPeak indicates the peak number of IPOE hosts (ARP) on this port.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtPortSDhcpBsm)	long	The value of tmnxSubMgmtPortSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this port.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtPortSDhcpBsmAs)	long	The value of tmnxSubMgmtPortSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this port.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtPortSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtPortSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this port.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtPortSDhcpBsmPeak)	long	The value of tmnxSubMgmtPortSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPortSDhcp)	long	The value of tmnxSubMgmtPortSDhcp indicates the number of current IPOE hosts (DHCP) on this port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPortSDhcpPeak)	long	The value of tmnxSubMgmtPortSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this port.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPortSIpcp)	long	The value of tmnxSubMgmtPortSIpcp indicates the number of current PPP hosts (IPCP) on this port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPortSIpcpPeak)	long	The value of tmnxSubMgmtPortSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPortSL2tpHost)	long	The value of tmnxSubMgmtPortSL2tpHost indicates the number of current L2TP hosts (LAC) on this port.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPortSL2tpHostPeak)	long	The value of tmnxSubMgmtPortSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPortSNonSub)	long	The value of tmnxSubMgmtPortSNonSub indicates the number of current Non Sub hosts on this port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPortSNonSubPeak)	long	The value of tmnxSubMgmtPortSNonSubPeak indicates the peak number of Non Sub hosts on this port.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtPortSStaticBsm)	long	The value of tmnxSubMgmtPortSStaticBsm indicates the number of current IPOE BSM static hosts on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtPortSStaticBsmAs)	long	The value of tmnxSubMgmtPortSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this port.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtPortSStaticBsmAsPeak)	long	The value of tmnxSubMgmtPortSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this port.
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtPortSStaticBsmPeak)	long	The value of tmnxSubMgmtPortSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPortSStatic)	long	The value of tmnxSubMgmtPortSStatic indicates the number of current IPOE hosts (Static) on this port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPortSStaticPeak)	long	The value of tmnxSubMgmtPortSStaticPeak indicates the peak number of IPOE hosts (Static) on this port.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtPortSTotDhcp)	long	The value of tmnxSubMgmtPortSTotDhcp indicates the number of current DHCP hosts on this port.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtPortSTotDhcpPeak)	long	The value of tmnxSubMgmtPortSTotDhcpPeak indicates the peak number of DHCP hosts on this port.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtPortSBsmDhcp6Na)	long	The value of tmnxSubMgmtPortSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this port.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtPortSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtPortSBsmDhcp6Pd)	long	The value of tmnxSubMgmtPortSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this port.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtPortSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this port.
ipv6IpoeDhcp6Mr [Ipv 6 Ipoe Dhcp 6 Mr] (tmnxSubMgmtPortSIpoeDhcp6Mr)	long	The value of tmnxSubMgmtPortSIpoeDhcp6Mr indicates the number of current IPOE PD Managed Routes on this port.
ipv6IpoeDhcp6MrPeak [Ipv 6 Ipoe Dhcp 6 Mr Peak] (tmnxSubMgmtPortSIpoeDhcp6MrPeak)	long	The value of tmnxSubMgmtPortSIpoeDhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this port.
ipv6IpoeDhcp6NaHosts [Ipv 6 Ipoe Dhcp 6 Na Hosts] (tmnxSubMgmtPortSIpoeDhcp6Na)	long	The value of tmnxSubMgmtPortSIpoeDhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this port.
ipv6IpoeDhcp6NaHostsPeak [Ipv 6 Ipoe Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSIpoeDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSIpoeDhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this port.
ipv6IpoeDhcp6PdHosts [Ipv 6 Ipoe Dhcp 6 Pd Hosts] (tmnxSubMgmtPortSIpoeDhcp6Pd)	long	The value of tmnxSubMgmtPortSIpoeDhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this port.
ipv6IpoeDhcp6PdHostsPeak [Ipv 6 Ipoe Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSIpoeDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSIpoeDhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this port.
ipv6IpoeSlaacHosts [Ipv 6 Ipoe Slaac Hosts] (tmnxSubMgmtPortSIpoeSlaac)	long	The value of tmnxSubMgmtPortSIpoeSlaac indicates the number of current IPOE hosts (SLAAC) on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEslaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPortSIpoEslaacPeak)	long	The value of tmnxSubMgmtPortSIpoEslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this port.
ipv6IpoEStaticPd [Ipv 6 IpoE Static Pd] (tmnxSubMgmtPortSV6StaticPd)	long	The value of tmnxSubMgmtPortSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this port.
ipv6IpoEStaticPdPeak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtPortSV6StaticPdPeak)	long	The value of tmnxSubMgmtPortSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this port.
ipv6IpoEStaticWan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtPortSV6StaticWan)	long	The value of tmnxSubMgmtPortSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this port.
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtPortSV6StaticWanPeak)	long	The value of tmnxSubMgmtPortSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this port.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtPortSPppDhcp6Mr)	long	The value of tmnxSubMgmtPortSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this port.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtPortSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this port.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPortSPppSlaac)	long	The value of tmnxSubMgmtPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPortSPppSlaacPeak)	long	The value of tmnxSubMgmtPortSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this port.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtPortSTotDhcpV6)	long	The value of tmnxSubMgmtPortSTotDhcpV6 indicates the number of current DHCPv6 hosts on this port.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtPortSTotDhcpV6Peak)	long	The value of tmnxSubMgmtPortSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this port.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtPortSTotMngdRt)	long	The value of tmnxSubMgmtPortSTotMngdRt indicates the number of current PD Managed Routes on this port.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtPortSTotMngdRtPeak)	long	The value of tmnxSubMgmtPortSTotMngdRtPeak indicates the peak number of PD Managed Routes on this port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPortSV6)	long	The value of tmnxSubMgmtPortSV6 indicates the number of current V6 hosts on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPortSV6Peak)	long	The value of tmnxSubMgmtPortSV6Peak indicates the peak number of V6 hosts on this port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPortSTotal)	long	The value of tmnxSubMgmtPortSTotal indicates the number of current total hosts on this port.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPortSTotalPeak)	long	The value of tmnxSubMgmtPortSTotalPeak indicates the peak number of total hosts on this port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPortSPppHosts)	long	The value of tmnxSubMgmtPortSPppHosts indicates the number of current PPP hosts on this port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPortSPppHostsPeak)	long	The value of tmnxSubMgmtPortSPppHostsPeak indicates the peak number of PPP hosts on this port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPortSPppLacL2tp)	long	The value of tmnxSubMgmtPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPortSPppLacL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPortSPppLacOA)	long	The value of tmnxSubMgmtPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPortSPppLacOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPortSPppLacOEOA)	long	The value of tmnxSubMgmtPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPortSPppLacOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPortSPppLacOE)	long	The value of tmnxSubMgmtPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPortSPppLacOEPeak)	long	The value of tmnxSubMgmtPortSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPortSPppLclL2tp)	long	The value of tmnxSubMgmtPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPortSPppLclL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPortSPppLclOA)	long	The value of tmnxSubMgmtPortSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPortSPppLclOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPortSPppLclOEOA)	long	The value of tmnxSubMgmtPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPortSPppLclOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPortSPppLclOE)	long	The value of tmnxSubMgmtPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this port.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPortSPppLclOEPeak)	long	The value of tmnxSubMgmtPortSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPortSPppLclTotal)	long	The value of tmnxSubMgmtPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPortSPppLclTotalPeak)	long	The value of tmnxSubMgmtPortSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPortSPppSessIs)	long	The value of tmnxSubMgmtPortSPppSessIs indicates the number of current PPP sessions in setup on this port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPortSPppSessIsPeak)	long	The value of tmnxSubMgmtPortSPppSessIsPeak indicates the peak number of PPP sessions in setup on this port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPortSPppSessTotal)	long	The value of tmnxSubMgmtPortSPppSessTotal indicates the total number of current PPP sessions established on this port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPortSPppSessTotalPeak)	long	The value of tmnxSubMgmtPortSPppSessTotalPeak indicates the total peak number of PPP sessions established on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPortSPppLacTotal)	long	The value of tmnxSubMgmtPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPortSPppLacTotalPeak)	long	The value of tmnxSubMgmtPortSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this port.
totalInternal [Total Internal] (tmnxSubMgmtPortSTotInternal)	long	The value of tmnxSubMgmtPortSTotInternal indicates the number of current internal hosts on this port.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtPortSTotInternalPeak)	long	The value of tmnxSubMgmtPortSTotInternalPeak indicates the peak number of internal hosts on this port.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtPortSIpoesSesIs)	long	The value of tmnxSubMgmtPortSIpoesSesIs indicates the number of current IPOE sessions in setup on this port.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtPortSIpoesSesIsPeak)	long	The value of tmnxSubMgmtPortSIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this port.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtPortSIpoesSesTotal)	long	The value of tmnxSubMgmtPortSIpoesSesTotal indicates the number of current IPOE sessions on this port.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtPortSIpoesSesTotalPeak)	long	The value of tmnxSubMgmtPortSIpoesSesTotalPeak indicates the peak number of IPOE sessions on this port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipPwPortStats</p> <p>MIB entry name: tmnxSubMgmtPwPortStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a PW-port on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtPwPortStatsTable): The tmnxSubMgmtPwPortStatsTable has an entry with statistics for each PW-port on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PwPort</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtPwPortSSubscribers)	long	The value of tmnxSubMgmtPwPortSSubscribers indicates the number of current subscribers on this PW-port.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPwPortSSubscribersPk)	long	The value of tmnxSubMgmtPwPortSSubscribersPk indicates the peak number of subscribers on this PW-port.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtPwPortSV4AaaTrig)	long	The value of tmnxSubMgmtPwPortSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this PW-port.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtPwPortSV4AaaTrigPk)	long	The value of tmnxSubMgmtPwPortSV4AaaTrigPk indicates the peak number of V4 AAA-triggered hosts on this PW-port.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtPwPortSV4DataTrig)	long	The value of tmnxSubMgmtPwPortSV4DataTrig indicates the number of current V4 data-triggered hosts on this PW-port.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtPwPortSV4DataTrigPk)	long	The value of tmnxSubMgmtPwPortSV4DataTrigPk indicates the peak number of V4 data-triggered hosts on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtPwPortSV6DataTrig)	long	The value of tmnxSubMgmtPwPortSV6DataTrig indicates the number of current V6 data-triggered hosts on this PW-port.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtPwPortSV6DataTrigMr)	long	The value of tmnxSubMgmtPwPortSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this PW-port.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtPwPortSV6DataTrigMrPk)	long	The value of tmnxSubMgmtPwPortSV6DataTrigMrPk indicates the peak number of V6 data-triggered prefix managed routes on this PW-port.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtPwPortSV6DataTrigPd)	long	The value of tmnxSubMgmtPwPortSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this PW-port.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtPwPortSV6DataTrigPdPk)	long	The value of tmnxSubMgmtPwPortSV6DataTrigPdPk indicates the peak number of V6 data-triggered prefixes on this PW-port.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtPwPortSV6DataTrigPk)	long	The value of tmnxSubMgmtPwPortSV6DataTrigPk indicates the peak number of V6 data-triggered hosts on this PW-port.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPwPortSlpoeHosts)	long	The value of tmnxSubMgmtPwPortSlpoeHosts indicates the number of current IPOE hosts on this PW-port.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPwPortSlpoeHostsPk)	long	The value of tmnxSubMgmtPwPortSlpoeHostsPk indicates the Pk number of IPOE hosts on this PW-port.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPwPortSV4)	long	The value of tmnxSubMgmtPwPortSV4 indicates the number of current V4 hosts on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPwPortSV4Pk)	long	The value of tmnxSubMgmtPwPortSV4Pk indicates the peak number of V4 hosts on this PW-port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPwPortSArp)	long	The value of tmnxSubMgmtPwPortSArp indicates the number of current IPOE hosts (ARP) on this PW-port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPwPortSArpPk)	long	The value of tmnxSubMgmtPwPortSArpPk indicates the peak number of IPOE hosts (ARP) on this PW-port.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtPwPortSDhcpBsm)	long	The value of tmnxSubMgmtPwPortSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this PW-port.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtPwPortSDhcpBsmAs)	long	The value of tmnxSubMgmtPwPortSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this PW-port.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtPwPortSDhcpBsmAsPk)	long	The value of tmnxSubMgmtPwPortSDhcpBsmAsPk indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this PW-port.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtPwPortSDhcpBsmPk)	long	The value of tmnxSubMgmtPwPortSDhcpBsmPk indicates the peak number of IPOE BSM hosts (DHCP) on this PW-port.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPwPortSDhcp)	long	The value of tmnxSubMgmtPwPortSDhcp indicates the number of current IPOE hosts (DHCP) on this PW-port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPwPortSDhcpPk)	long	The value of tmnxSubMgmtPwPortSDhcpPk indicates the peak number of IPOE hosts (DHCP) on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPwPortSlpcp)	long	The value of tmnxSubMgmtPwPortSlpcp indicates the number of current PPP hosts (IPCP) on this PW-port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPwPortSlpcpPk)	long	The value of tmnxSubMgmtPwPortSlpcpPk indicates the peak number of PPP hosts (IPCP) on this PW-port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPwPortSL2tpHost)	long	The value of tmnxSubMgmtPwPortSL2tpHost indicates the number of current L2TP hosts (LAC) on this PW-port.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPwPortSL2tpHostPk)	long	The value of tmnxSubMgmtPwPortSL2tpHostPk indicates the peak number of L2TP hosts (LAC) on this PW-port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPwPortSNonSub)	long	The value of tmnxSubMgmtPwPortSNonSub indicates the number of current Non Sub hosts on this PW-port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPwPortSNonSubPk)	long	The value of tmnxSubMgmtPwPortSNonSubPk indicates the peak number of Non Sub hosts on this PW-port.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtPwPortSStaticBsm)	long	The value of tmnxSubMgmtPwPortSStaticBsm indicates the number of current IPOE BSM static hosts on this PW-port.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtPwPortSStaticBsmAs)	long	The value of tmnxSubMgmtPwPortSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this PW-port.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtPwPortSStaticBsmAsPk)	long	The value of tmnxSubMgmtPwPortSStaticBsmAsPk indicates the peak number of IPOE BSM static hosts with antispoof on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtPwPortSStaticBsmPk)	long	The value of tmnxSubMgmtPwPortSStaticBsmPk indicates the peak number of IPOE BSM static hosts on this PW-port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPwPortSStatic)	long	The value of tmnxSubMgmtPwPortSStatic indicates the number of current IPOE hosts (Static) on this PW-port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPwPortSStaticPk)	long	The value of tmnxSubMgmtPwPortSStaticPk indicates the peak number of IPOE hosts (Static) on this PW-port.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtPwPortSTotDhcp)	long	The value of tmnxSubMgmtPwPortSTotDhcp indicates the number of current DHCP hosts on this PW-port.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtPwPortSTotDhcpPk)	long	The value of tmnxSubMgmtPwPortSTotDhcpPk indicates the peak number of DHCP hosts on this PW-port.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtPwPortSBsmDhcp6Na)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this PW-port.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtPwPortSBsmDhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6NaPk indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this PW-port.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtPwPortSBsmDhcp6Pd)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this PW-port.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtPwPortSBsmDhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6PdPk indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoE Dhcp6Mr [Ipv 6 IpoE Dhcp 6 Mr] (tmnxSubMgmtPwPortSIpoE Dhcp6Mr)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6Mr indicates the number of current IPOE PD Managed Routes on this PW-port.
ipv6IpoE Dhcp6MrPeak [Ipv 6 IpoE Dhcp 6 Mr Peak] (tmnxSubMgmtPwPortSIpoE Dhcp6MrPk)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6MrPk indicates the peak number of IPOE PD Managed Routes on this PW-port.
ipv6IpoE Dhcp6NaHosts [Ipv 6 IpoE Dhcp 6 Na Hosts] (tmnxSubMgmtPwPortSIpoE Dhcp6Na)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this PW-port.
ipv6IpoE Dhcp6NaHostsPeak [Ipv 6 IpoE Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPwPortSIpoE Dhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6NaPk indicates the Pk number of IPOE hosts (DHCP6 NA) on this PW-port.
ipv6IpoE Dhcp6PdHosts [Ipv 6 IpoE Dhcp 6 Pd Hosts] (tmnxSubMgmtPwPortSIpoE Dhcp6Pd)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this PW-port.
ipv6IpoE Dhcp6PdHostsPeak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPwPortSIpoE Dhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6PdPk indicates the Pk number of IPOE hosts (DHCP6 PD) on this PW-port.
ipv6IpoE SlaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtPwPortSIpoE Slaac)	long	The value of tmnxSubMgmtPwPortSIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this PW-port.
ipv6IpoE SlaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPwPortSIpoE SlaacPk)	long	The value of tmnxSubMgmtPwPortSIpoE SlaacPk indicates the Pk number of IPOE hosts (SLAAC) on this PW-port.
ipv6IpoE StaticPd [Ipv 6 IpoE Static Pd] (tmnxSubMgmtPwPortSV6StaticPd)	long	The value of tmnxSubMgmtPwPortSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEStaticPdPeak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtPwPortSV6StaticPdPk)	long	The value of tmnxSubMgmtPwPortSV6StaticPdPk indicates the peak number of IPOE IPv6 static prefixes on this PW-port.
ipv6IpoEStaticWan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtPwPortSV6StaticWan)	long	The value of tmnxSubMgmtPwPortSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this PW-port.
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtPwPortSV6StaticWanPk)	long	The value of tmnxSubMgmtPwPortSV6StaticWanPk indicates the peak number of IPOE IPv6 static WAN hosts on this PW-port.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtPwPortSPppDhcp6Mr)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this PW-port.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtPwPortSPppDhcp6MrPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6MrPk indicates the peak number of PPP PD Managed Routes on this PW-port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPwPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this PW-port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPwPortSPppDhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6NaPk indicates the Pk number of PPP hosts (DHCP6 NA) on this PW-port.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPwPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this PW-port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPwPortSPppDhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6PdPk indicates the Pk number of PPP hosts (DHCP6 PD) on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPwPortSPppSlaac)	long	The value of tmnxSubMgmtPwPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this PW-port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPwPortSPppSlaacPk)	long	The value of tmnxSubMgmtPwPortSPppSlaacPk indicates the Pk number of PPP hosts (SLAAC) on this PW-port.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtPwPortSTotDhcpV6)	long	The value of tmnxSubMgmtPwPortSTotDhcpV6 indicates the number of current DHCPv6 hosts on this PW-port.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtPwPortSTotDhcpV6Pk)	long	The value of tmnxSubMgmtPwPortSTotDhcpV6Pk indicates the peak number of DHCPv6 hosts on this PW-port.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtPwPortSTotMngdRt)	long	The value of tmnxSubMgmtPwPortSTotMngdRt indicates the number of current PD Managed Routes on this PW-port.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtPwPortSTotMngdRtPk)	long	The value of tmnxSubMgmtPwPortSTotMngdRtPk indicates the peak number of PD Managed Routes on this PW-port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPwPortSV6)	long	The value of tmnxSubMgmtPwPortSV6 indicates the number of current V6 hosts on this PW-port.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPwPortSV6Pk)	long	The value of tmnxSubMgmtPwPortSV6Pk indicates the peak number of V6 hosts on this PW-port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPwPortSTotal)	long	The value of tmnxSubMgmtPwPortSTotal indicates the number of current total hosts on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPwPortSTotalPk)	long	The value of tmnxSubMgmtPwPortSTotalPk indicates the peak number of total hosts on this PW-port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPwPortSPppHosts)	long	The value of tmnxSubMgmtPwPortSPppHosts indicates the number of current PPP hosts on this PW-port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPwPortSPppHostsPk)	long	The value of tmnxSubMgmtPwPortSPppHostsPk indicates the Pk number of PPP hosts on this PW-port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPwPortSPppLacL2tp)	long	The value of tmnxSubMgmtPwPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this PW-port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPwPortSPppLacL2tpPk)	long	The value of tmnxSubMgmtPwPortSPppLacL2tpPk indicates the Pk number of PPP sessions (L2TP LTS) tunneled over L2TP on this PW-port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPwPortSPppLacOA)	long	The value of tmnxSubMgmtPwPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this PW-port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPwPortSPppLacOAPk)	long	The value of tmnxSubMgmtPwPortSPppLacOAPk indicates the Pk number of PPP sessions (PPPoA) tunneled over L2TP on this PW-port.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPwPortSPppLacOEOA)	long	The value of tmnxSubMgmtPwPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this PW-port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPwPortSPppLacOEOAPk)	long	The value of tmnxSubMgmtPwPortSPppLacOEOAPk indicates the Pk number of PPP sessions (PPPoEoA) tunneled over L2TP on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPwPortSPppLacOE)	long	The value of tmnxSubMgmtPwPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this PW-port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPwPortSPppLacOEPk)	long	The value of tmnxSubMgmtPwPortSPppLacOEPk indicates the Pk number of PPP sessions (PPPoE) tunneled over L2TP on this PW-port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPwPortSPppLclL2tp)	long	The value of tmnxSubMgmtPwPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this PW-port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPwPortSPppLclL2tpPk)	long	The value of tmnxSubMgmtPwPortSPppLclL2tpPk indicates the Pk number of locally terminated PPP sessions (L2TP LNS) on this PW-port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPwPortSPppLclOEA)	long	The value of tmnxSubMgmtPwPortSPppLclOEA indicates the number of current locally terminated PPP sessions (PPPoA) on this PW-port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPwPortSPppLclOAPk)	long	The value of tmnxSubMgmtPwPortSPppLclOAPk indicates the Pk number of locally terminated PPP sessions (PPPoA) on this PW-port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPwPortSPppLclOEOA)	long	The value of tmnxSubMgmtPwPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this PW-port.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPwPortSPppLclOEOAPk)	long	The value of tmnxSubMgmtPwPortSPppLclOEOAPk indicates the Pk number of locally terminated PPP sessions (PPPoEoA) on this PW-port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPwPortSPppLclOE)	long	The value of tmnxSubMgmtPwPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPwPortSPppLclOEPk)	long	The value of tmnxSubMgmtPwPortSPppLclOEPk indicates the Pk number of locally terminated PPP sessions (PPPoE) on this PW-port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPwPortSPppLclTotal)	long	The value of tmnxSubMgmtPwPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this PW-port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPwPortSPppLclTotalPk)	long	The value of tmnxSubMgmtPwPortSPppLclTotalPk indicates the total Pk number of locally terminated PPP sessions on this PW-port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPwPortSPppSessIs)	long	The value of tmnxSubMgmtPwPortSPppSessIs indicates the number of current PPP sessions in setup on this PW-port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPwPortSPppSessIsPk)	long	The value of tmnxSubMgmtPwPortSPppSessIsPk indicates the Pk number of PPP sessions in setup on this PW-port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPwPortSPppSessTotal)	long	The value of tmnxSubMgmtPwPortSPppSessTotal indicates the total number of current PPP sessions established on this PW-port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPwPortSPppSessTotalPk)	long	The value of tmnxSubMgmtPwPortSPppSessTotalPk indicates the total Pk number of PPP sessions established on this PW-port.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPwPortSPppLacTotal)	long	The value of tmnxSubMgmtPwPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this PW-port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPwPortSPppLacTotalPk)	long	The value of tmnxSubMgmtPwPortSPppLacTotalPk indicates the total Pk number of PPP sessions tunneled over L2TP on this PW-port.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalInternal [Total Internal] (tmnxSubMgmtPwPortSTotInternal)	long	The value of tmnxSubMgmtPwPortSTotInternal indicates the number of current internal hosts on this PW-port.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtPwPortSTotInternalPk)	long	The value of tmnxSubMgmtPwPortSTotInternalPk indicates the peak number of internal hosts on this PW-port.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtPwPortSIpoesSesIs)	long	The value of tmnxSubMgmtPwPortSIpoesSesIs indicates the number of current IPOE sessions in setup on this PW-port.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtPwPortSIpoesSesIsPk)	long	The value of tmnxSubMgmtPwPortSIpoesSesIsPk indicates the peak number of IPOE sessions in setup on this PW-port.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtPwPortSIpoesSesTotal)	long	The value of tmnxSubMgmtPwPortSIpoesSesTotal indicates the number of current IPOE sessions on this PW-port.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtPwPortSIpoesSesTotalPk)	long	The value of tmnxSubMgmtPwPortSIpoesSesTotalPk indicates the peak number of IPOE sessions on this PW-port.
<p>SubscrHostEquipSlotStats</p> <p>MIB entry name: tmnxSubMgmtSlotStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a Slot on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtSlotStatsTable): The tmnxSubMgmtSlotStatsTable has an entry with statistics for each Slot on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotId [Card Slot Id] (tmnxSubMgmtSlotID)	long	tmnxSubMgmtSlotID is an index into this table. It maps this Slot to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtSlotSSubscribers)	long	The value of tmnxSubMgmtSlotSSubscribers indicates the number of current subscribers on this Slot.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSlotSSubscribersPeak)	long	The value of tmnxSubMgmtSlotSSubscribersPeak indicates the peak number of subscribers on this Slot.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtSlotSV4AaaTrig)	long	The value of tmnxSubMgmtSlotSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this Slot.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtSlotSV4AaaTrigPeak)	long	The value of tmnxSubMgmtSlotSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this Slot.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtSlotSV4DataTrig)	long	The value of tmnxSubMgmtSlotSV4DataTrig indicates the number of current V4 data-triggered hosts on this Slot.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtSlotSV4DataTrigPeak)	long	The value of tmnxSubMgmtSlotSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this Slot.
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtSlotSV6DataTrig)	long	The value of tmnxSubMgmtSlotSV6DataTrig indicates the number of current V6 data-triggered hosts on this Slot.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtSlotSV6DataTrigMr)	long	The value of tmnxSubMgmtSlotSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtSlotSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtSlotSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this Slot.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtSlotSV6DataTrigPd)	long	The value of tmnxSubMgmtSlotSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this Slot.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtSlotSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtSlotSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this Slot.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtSlotSV6DataTrigPeak)	long	The value of tmnxSubMgmtSlotSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this Slot.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSlotIpoeHosts)	long	The value of tmnxSubMgmtSlotIpoeHosts indicates the number of current IPOE hosts on this Slot.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSlotIpoeHostsPeak)	long	The value of tmnxSubMgmtSlotIpoeHostsPeak indicates the peak number of IPOE hosts on this Slot.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSlotSV4)	long	The value of tmnxSubMgmtSlotSV4 indicates the number of current V4 hosts on this Slot.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSlotSV4Peak)	long	The value of tmnxSubMgmtSlotSV4Peak indicates the peak number of V4 hosts on this Slot.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSlotSArp)	long	The value of tmnxSubMgmtSlotSArp indicates the number of current IPOE hosts (ARP) on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSlotSArpPeak)	long	The value of tmnxSubMgmtSlotSArpPeak indicates the peak number of IPOE hosts (ARP) on this Slot.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtSlotSDhcpBsm)	long	The value of tmnxSubMgmtSlotSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this Slot.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtSlotSDhcpBsmAs)	long	The value of tmnxSubMgmtSlotSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this Slot.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtSlotSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtSlotSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this Slot.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtSlotSDhcpBsmPeak)	long	The value of tmnxSubMgmtSlotSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this Slot.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSlotSDhcp)	long	The value of tmnxSubMgmtSlotSDhcp indicates the number of current IPOE hosts (DHCP) on this Slot.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSlotSDhcpPeak)	long	The value of tmnxSubMgmtSlotSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this Slot.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSlotSIpcp)	long	The value of tmnxSubMgmtSlotSIpcp indicates the number of current PPP hosts (IPCP) on this Slot.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSlotSIpcpPeak)	long	The value of tmnxSubMgmtSlotSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSlotSL2tpHost)	long	The value of tmnxSubMgmtSlotSL2tpHost indicates the number of current L2TP hosts (LAC) on this Slot.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSlotSL2tpHostPeak)	long	The value of tmnxSubMgmtSlotSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this Slot.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSlotSNonSub)	long	The value of tmnxSubMgmtSlotSNonSub indicates the number of current Non Sub hosts on this Slot.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSlotSNonSubPeak)	long	The value of tmnxSubMgmtSlotSNonSubPeak indicates the peak number of Non Sub hosts on this Slot.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtSlotSStaticBsm)	long	The value of tmnxSubMgmtSlotSStaticBsm indicates the number of current IPOE BSM static hosts on this Slot.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtSlotSStaticBsmAs)	long	The value of tmnxSubMgmtSlotSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this Slot.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtSlotSStaticBsmAsPeak)	long	The value of tmnxSubMgmtSlotSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this Slot.
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtSlotSStaticBsmPeak)	long	The value of tmnxSubMgmtSlotSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this Slot.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSlotSStatic)	long	The value of tmnxSubMgmtSlotSStatic indicates the number of current IPOE hosts (Static) on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSlotSStaticPeak)	long	The value of tmnxSubMgmtSlotSStaticPeak indicates the peak number of IPOE hosts (Static) on this Slot.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtSlotSTotDhcp)	long	The value of tmnxSubMgmtSlotSTotDhcp indicates the number of current DHCP hosts on this Slot.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtSlotSTotDhcpPeak)	long	The value of tmnxSubMgmtSlotSTotDhcpPeak indicates the peak number of DHCP hosts on this Slot.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtSlotSBsmDhcp6Na)	long	The value of tmnxSubMgmtSlotSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this Slot.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtSlotSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this Slot.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtSlotSBsmDhcp6Pd)	long	The value of tmnxSubMgmtSlotSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this Slot.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtSlotSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this Slot.
ipv6Ipoedhcp6Mr [Ipv 6 Ipoedhcp 6 Mr] (tmnxSubMgmtSlotSIpoedhcp6Mr)	long	The value of tmnxSubMgmtSlotSIpoedhcp6Mr indicates the number of current IPOE PD Managed Routes on this Slot.
ipv6Ipoedhcp6MrPeak [Ipv 6 Ipoedhcp 6 Mr Peak] (tmnxSubMgmtSlotSIpoedhcp6MrPeak)	long	The value of tmnxSubMgmtSlotSIpoedhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoE Dhcp6 Na Hosts [Ipv 6 IpoE Dhcp 6 Na Hosts] (tmnxSubMgmtSlotIpoE Dhcp6 Na)	long	The value of tmnxSubMgmtSlotIpoE Dhcp6 Na indicates the number of current IPOE hosts (DHCP6 NA) on this Slot.
ipv6IpoE Dhcp6 Na Hosts Peak [Ipv 6 IpoE Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotIpoE Dhcp6 Na Peak)	long	The value of tmnxSubMgmtSlotIpoE Dhcp6 Na Peak indicates the peak number of IPOE hosts (DHCP6 NA) on this Slot.
ipv6IpoE Dhcp6 Pd Hosts [Ipv 6 IpoE Dhcp 6 Pd Hosts] (tmnxSubMgmtSlotIpoE Dhcp6 Pd)	long	The value of tmnxSubMgmtSlotIpoE Dhcp6 Pd indicates the number of current IPOE hosts (DHCP6 PD) on this Slot.
ipv6IpoE Dhcp6 Pd Hosts Peak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotIpoE Dhcp6 Pd Peak)	long	The value of tmnxSubMgmtSlotIpoE Dhcp6 Pd Peak indicates the peak number of IPOE hosts (DHCP6 PD) on this Slot.
ipv6IpoE Slaac Hosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtSlotIpoE Slaac)	long	The value of tmnxSubMgmtSlotIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this Slot.
ipv6IpoE Slaac Hosts Peak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtSlotIpoE Slaac Peak)	long	The value of tmnxSubMgmtSlotIpoE Slaac Peak indicates the peak number of IPOE hosts (SLAAC) on this Slot.
ipv6IpoE Static Pd [Ipv 6 IpoE Static Pd] (tmnxSubMgmtSlotSV6StaticPd)	long	The value of tmnxSubMgmtSlotSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this Slot.
ipv6IpoE Static Pd Peak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtSlotSV6StaticPdPeak)	long	The value of tmnxSubMgmtSlotSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this Slot.
ipv6IpoE Static Wan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtSlotSV6StaticWan)	long	The value of tmnxSubMgmtSlotSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtSlotSV6StaticWanPeak)	long	The value of tmnxSubMgmtSlotSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this Slot.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtSlotSPppDhcp6Mr)	long	The value of tmnxSubMgmtSlotSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this Slot.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtSlotSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtSlotSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this Slot.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtSlotSPppDhcp6Na)	long	The value of tmnxSubMgmtSlotSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this Slot.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this Slot.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtSlotSPppDhcp6Pd)	long	The value of tmnxSubMgmtSlotSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this Slot.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this Slot.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtSlotSPppSlaac)	long	The value of tmnxSubMgmtSlotSPppSlaac indicates the number of current PPP hosts (SLAAC) on this Slot.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtSlotSPppSlaacPeak)	long	The value of tmnxSubMgmtSlotSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtSlotSTotDhcpV6)	long	The value of tmnxSubMgmtSlotSTotDhcpV6 indicates the number of current DHCPv6 hosts on this Slot.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtSlotSTotDhcpV6Peak)	long	The value of tmnxSubMgmtSlotSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this Slot.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtSlotSTotMngdRt)	long	The value of tmnxSubMgmtSlotSTotMngdRt indicates the number of current PD Managed Routes on this Slot.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtSlotSTotMngdRtPeak)	long	The value of tmnxSubMgmtSlotSTotMngdRtPeak indicates the peak number of PD Managed Routes on this Slot.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSlotSV6)	long	The value of tmnxSubMgmtSlotSV6 indicates the number of current V6 hosts on this Slot.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSlotSV6Peak)	long	The value of tmnxSubMgmtSlotSV6Peak indicates the peak number of V6 hosts on this Slot.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSlotSTotal)	long	The value of tmnxSubMgmtSlotSTotal indicates the number of current total hosts on this Slot.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSlotSTotalPeak)	long	The value of tmnxSubMgmtSlotSTotalPeak indicates the peak number of total hosts on this Slot.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSlotSPppHosts)	long	The value of tmnxSubMgmtSlotSPppHosts indicates the number of current PPP hosts on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSlotSPppHostsPeak)	long	The value of tmnxSubMgmtSlotSPppHostsPeak indicates the peak number of PPP hosts on this Slot.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSlotSPppLacL2tp)	long	The value of tmnxSubMgmtSlotSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSlotSPppLacOA)	long	The value of tmnxSubMgmtSlotSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this Slot.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSlotSPppLacOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this Slot.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSlotSPppLacOEOA)	long	The value of tmnxSubMgmtSlotSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSlotSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSlotSPppLacOE)	long	The value of tmnxSubMgmtSlotSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this Slot.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSlotSPppLacOEPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSlotSPppLclL2tp)	long	The value of tmnxSubMgmtSlotSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSlotSPppLclOA)	long	The value of tmnxSubMgmtSlotSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this Slot.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSlotSPppLclOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this Slot.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSlotSPppLclOEOA)	long	The value of tmnxSubMgmtSlotSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSlotSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSlotSPppLclOE)	long	The value of tmnxSubMgmtSlotSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this Slot.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSlotSPppLclOEPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this Slot.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSlotSPppLclTotal)	long	The value of tmnxSubMgmtSlotSPppLclTotal indicates the total number of current locally terminated PPP sessions on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSlotSPppLclTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this Slot.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSlotSPppSessIs)	long	The value of tmnxSubMgmtSlotSPppSessIs indicates the number of current PPP sessions in setup on this Slot.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSlotSPppSessIsPeak)	long	The value of tmnxSubMgmtSlotSPppSessIsPeak indicates the peak number of PPP sessions in setup on this Slot.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSlotSPppSessTotal)	long	The value of tmnxSubMgmtSlotSPppSessTotal indicates the total number of current PPP sessions established on this Slot.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSlotSPppSessTotalPeak)	long	The value of tmnxSubMgmtSlotSPppSessTotalPeak indicates the total peak number of PPP sessions established on this Slot.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSlotSPppLacTotal)	long	The value of tmnxSubMgmtSlotSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this Slot.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSlotSPppLacTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this Slot.
totalInternal [Total Internal] (tmnxSubMgmtSlotSTotInternal)	long	The value of tmnxSubMgmtSlotSTotInternal indicates the number of current internal hosts on this Slot.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtSlotSTotInternalPeak)	long	The value of tmnxSubMgmtSlotSTotInternalPeak indicates the peak number of internal hosts on this Slot.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtSlotIpoesSesIs)	long	The value of tmnxSubMgmtSlotIpoesSesIs indicates the number of current IPOE sessions in setup on this Slot.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtSlotIpoesSesIsPeak)	long	The value of tmnxSubMgmtSlotIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this Slot.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtSlotIpoesSesTotal)	long	The value of tmnxSubMgmtSlotIpoesSesTotal indicates the number of current IPOE sessions on this Slot.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtSlotIpoesSesTotalPeak)	long	The value of tmnxSubMgmtSlotIpoesSesTotalPeak indicates the peak number of IPOE sessions on this Slot.
<p>SubscrHostEquipSystStats</p> <p>MIB entry name: tmnxSubMgmtSystStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a system on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtSystStatsTable): The tmnxSubMgmtSystStatsTable has an entry with statistics for each system on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtSystSSubscribers)	long	The value of tmnxSubMgmtSystSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSystSSubscribersPeak)	long	The value of tmnxSubMgmtSystSSubscribersPeak indicates the peak number of subscribers on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtSystSV4AaaTrig)	long	The value of tmnxSubMgmtSystSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this system.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtSystSV4AaaTrigPeak)	long	The value of tmnxSubMgmtSystSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this system.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtSystSV4DataTrig)	long	The value of tmnxSubMgmtSystSV4DataTrig indicates the number of current V4 data-triggered hosts on this system.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtSystSV4DataTrigPeak)	long	The value of tmnxSubMgmtSystSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this system.
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtSystSV6DataTrig)	long	The value of tmnxSubMgmtSystSV6DataTrig indicates the number of current V6 data-triggered hosts on this system.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtSystSV6DataTrigMr)	long	The value of tmnxSubMgmtSystSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this system.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtSystSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtSystSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this system.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtSystSV6DataTrigPd)	long	The value of tmnxSubMgmtSystSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this system.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtSystSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtSystSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtSystSV6DataTrigPeak)	long	The value of tmnxSubMgmtSystSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSystIpoeHosts)	long	The value of tmnxSubMgmtSystIpoeHosts indicates the number of current IPOE hosts on this system.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSystIpoeHostsPeak)	long	The value of tmnxSubMgmtSystIpoeHostsPeak indicates the peak number of IPOE hosts on this system.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSystSV4)	long	The value of tmnxSubMgmtSystSV4 indicates the number of current V4 hosts on this system.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSystSV4Peak)	long	The value of tmnxSubMgmtSystSV4Peak indicates the peak number of V4 hosts on this system.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSystSArp)	long	The value of tmnxSubMgmtSystSArp indicates the number of current IPOE hosts (ARP) on this system.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSystSArpPeak)	long	The value of tmnxSubMgmtSystSArpPeak indicates the peak number of IPOE hosts (ARP) on this system.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtSystSDhcpBsm)	long	The value of tmnxSubMgmtSystSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this system.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtSystSDhcpBsmAs)	long	The value of tmnxSubMgmtSystSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtSystSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtSystSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this system.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtSystSDhcpBsmPeak)	long	The value of tmnxSubMgmtSystSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this system.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSystSDhcp)	long	The value of tmnxSubMgmtSystSDhcp indicates the number of current IPOE hosts (DHCP) on this system.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSystSDhcpPeak)	long	The value of tmnxSubMgmtSystSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this system.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSystIpcp)	long	The value of tmnxSubMgmtSystIpcp indicates the number of current PPP hosts (IPCP) on this system.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSystIpcpPeak)	long	The value of tmnxSubMgmtSystIpcpPeak indicates the peak number of PPP hosts (IPCP) on this system.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSystSL2tpHost)	long	The value of tmnxSubMgmtSystSL2tpHost indicates the number of current L2TP hosts (LAC) on this system.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSystSL2tpHostPeak)	long	The value of tmnxSubMgmtSystSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this system.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSystSNonSub)	long	The value of tmnxSubMgmtSystSNonSub indicates the number of current Non Sub hosts on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSystSNonSubPeak)	long	The value of tmnxSubMgmtSystSNonSubPeak indicates the peak number of Non Sub hosts on this system.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtSystSStaticBsm)	long	The value of tmnxSubMgmtSystSStaticBsm indicates the number of current IPOE BSM static hosts on this system.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtSystSStaticBsmAs)	long	The value of tmnxSubMgmtSystSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this system.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtSystSStaticBsmAsPeak)	long	The value of tmnxSubMgmtSystSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this system.
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtSystSStaticBsmPeak)	long	The value of tmnxSubMgmtSystSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this system.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSystSStatic)	long	The value of tmnxSubMgmtSystSStatic indicates the number of current IPOE hosts (Static) on this system.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSystSStaticPeak)	long	The value of tmnxSubMgmtSystSStaticPeak indicates the peak number of IPOE hosts (Static) on this system.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtSystSTotDhcp)	long	The value of tmnxSubMgmtSystSTotDhcp indicates the number of current DHCP hosts on this system.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtSystSTotDhcpPeak)	long	The value of tmnxSubMgmtSystSTotDhcpPeak indicates the peak number of DHCP hosts on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtSystSBsmDhcp6Na)	long	The value of tmnxSubMgmtSystSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this system.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtSystSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtSystSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this system.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtSystSBsmDhcp6Pd)	long	The value of tmnxSubMgmtSystSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this system.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtSystSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtSystSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this system.
ipv6Ipoedhcp6Mr [Ipv 6 Ipoedhcp 6 Mr] (tmnxSubMgmtSystSIpoedhcp6Mr)	long	The value of tmnxSubMgmtSystSIpoedhcp6Mr indicates the number of current IPOE PD Managed Routes on this system.
ipv6Ipoedhcp6MrPeak [Ipv 6 Ipoedhcp 6 Mr Peak] (tmnxSubMgmtSystSIpoedhcp6MrPeak)	long	The value of tmnxSubMgmtSystSIpoedhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this system.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSystSIpoedhcp6Na)	long	The value of tmnxSubMgmtSystSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSystSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSystSIpoedhcp6Pd)	long	The value of tmnxSubMgmtSystSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtSystIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this system.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtSystIpoeslaac)	long	The value of tmnxSubMgmtSystIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this system.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtSystIpoeslaacPeak)	long	The value of tmnxSubMgmtSystIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this system.
ipv6IpoestaticPd [Ipv 6 Ipoestatic Pd] (tmnxSubMgmtSystSV6StaticPd)	long	The value of tmnxSubMgmtSystSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this system.
ipv6IpoestaticPdPeak [Ipv 6 Ipoestatic Pd Peak] (tmnxSubMgmtSystSV6StaticPdPeak)	long	The value of tmnxSubMgmtSystSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this system.
ipv6IpoestaticWan [Ipv 6 Ipoestatic Wan] (tmnxSubMgmtSystSV6StaticWan)	long	The value of tmnxSubMgmtSystSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this system.
ipv6IpoestaticWanPeak [Ipv 6 Ipoestatic Wan Peak] (tmnxSubMgmtSystSV6StaticWanPeak)	long	The value of tmnxSubMgmtSystSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this system.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtSystSPppDhcp6Mr)	long	The value of tmnxSubMgmtSystSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this system.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtSystSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtSystSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtSystSPppDhcp6Na)	long	The value of tmnxSubMgmtSystSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this system.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtSystSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this system.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtSystSPppDhcp6Pd)	long	The value of tmnxSubMgmtSystSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this system.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtSystSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this system.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtSystSPppSlaac)	long	The value of tmnxSubMgmtSystSPppSlaac indicates the number of current PPP hosts (SLAAC) on this system.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtSystSPppSlaacPeak)	long	The value of tmnxSubMgmtSystSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this system.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtSystSTotDhcpV6)	long	The value of tmnxSubMgmtSystSTotDhcpV6 indicates the number of current DHCPv6 hosts on this system.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtSystSTotDhcpV6Peak)	long	The value of tmnxSubMgmtSystSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this system.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtSystSTotMngdRt)	long	The value of tmnxSubMgmtSystSTotMngdRt indicates the number of current PD Managed Routes on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtSystSTotMngdRtPeak)	long	The value of tmnxSubMgmtSystSTotMngdRtPeak indicates the peak number of PD Managed Routes on this system.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSystSV6)	long	The value of tmnxSubMgmtSystSV6 indicates the number of current V6 hosts on this system.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSystSV6Peak)	long	The value of tmnxSubMgmtSystSV6Peak indicates the peak number of V6 hosts on this system.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSystSTotal)	long	The value of tmnxSubMgmtSystSTotal indicates the number of current total hosts on this system.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSystSTotalPeak)	long	The value of tmnxSubMgmtSystSTotalPeak indicates the peak number of total hosts on this system.
l2tpTunOrig [L2 tp Tun Orig] (tmnxSubMgmtSystSL2tpTunOrig)	long	The value of tmnxSubMgmtSystSL2tpTunOrig indicates the number of current L2TP Tunnels (originator) on this system.
l2tpTunOrigPeak [L2 tp Tun Orig Peak] (tmnxSubMgmtSystSL2tpTunOrigPeak)	long	The value of tmnxSubMgmtSystSL2tpTunOrigPeak indicates the peak number of L2TP Tunnels (originator) on this system.
l2tpTunRecv [L2 tp Tun Recv] (tmnxSubMgmtSystSL2tpTunRecv)	long	The value of tmnxSubMgmtSystSL2tpTunRecv indicates the number of current L2TP Tunnels (receiver) on this system.
l2tpTunRecvPeak [L2 tp Tun Recv Peak] (tmnxSubMgmtSystSL2tpTunRecvPeak)	long	The value of tmnxSubMgmtSystSL2tpTunRecvPeak indicates the peak number of L2TP Tunnels (receiver) on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2tpTunTotal [L2 tp Tun Total] (tmnxSubMgmtSystSL2tpTunTotal)	long	The value of tmnxSubMgmtSystSL2tpTunTotal indicates the total number of current L2TP Tunnels on this system.
I2tpTunTotalPeak [L2 tp Tun Total Peak] (tmnxSubMgmtSystSL2tpTunTotalPeak)	long	The value of tmnxSubMgmtSystSL2tpTunTotalPeak indicates the peak total number of L2TP Tunnels on this system.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSystSPppHosts)	long	The value of tmnxSubMgmtSystSPppHosts indicates the number of current PPP hosts on this system.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSystSPppHostsPeak)	long	The value of tmnxSubMgmtSystSPppHostsPeak indicates the peak number of PPP hosts on this system.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSystSPppLacL2tp)	long	The value of tmnxSubMgmtSystSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSystSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSystSPppLacOA)	long	The value of tmnxSubMgmtSystSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSystSPppLacOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSystSPppLacOEoA)	long	The value of tmnxSubMgmtSystSPppLacOEoA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSystSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this system.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSystSPppLacOE)	long	The value of tmnxSubMgmtSystSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSystSPppLacOEPeak)	long	The value of tmnxSubMgmtSystSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSystSPppLclL2tp)	long	The value of tmnxSubMgmtSystSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this system.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSystSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this system.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSystSPppLclOA)	long	The value of tmnxSubMgmtSystSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this system.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSystSPppLclOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this system.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSystSPppLclOEOA)	long	The value of tmnxSubMgmtSystSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this system.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSystSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSystSPppLclOE)	long	The value of tmnxSubMgmtSystSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this system.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSystSPppLclOEPeak)	long	The value of tmnxSubMgmtSystSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this system.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSystSPppLclTotal)	long	The value of tmnxSubMgmtSystSPppLclTotal indicates the total number of current locally terminated PPP sessions on this system.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSystSPppLclTotalPeak)	long	The value of tmnxSubMgmtSystSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this system.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSystSPppSessIs)	long	The value of tmnxSubMgmtSystSPppSessIs indicates the number of current PPP sessions in setup on this system.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSystSPppSessIsPeak)	long	The value of tmnxSubMgmtSystSPppSessIsPeak indicates the peak number of PPP sessions in setup on this system.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSystSPppSessTotal)	long	The value of tmnxSubMgmtSystSPppSessTotal indicates the total number of current PPP sessions established on this system.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSystSPppSessTotalPeak)	long	The value of tmnxSubMgmtSystSPppSessTotalPeak indicates the total peak number of PPP sessions established on this system.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSystSPppLacTotal)	long	The value of tmnxSubMgmtSystSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSystSPppLacTotalPeak)	long	The value of tmnxSubMgmtSystSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this system.
systemHostsScale [System Hosts Scale] (tmnxSubMgmtSystSHostsScale)	long	The value of tmnxSubMgmtSystSHostsScale indicates the number of current total hosts on this system, including internal hosts.
systemHostsScalePeak [System Hosts Scale Peak] (tmnxSubMgmtSystSHostsScalePeak)	long	The value of tmnxSubMgmtSystSHostsScalePeak indicates the peak number of total hosts on this system, including internal hosts.
totalInternal [Total Internal] (tmnxSubMgmtSystSTotInternal)	long	The value of tmnxSubMgmtSystSTotInternal indicates the number of current internal hosts on this system.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtSystSTotInternalPeak)	long	The value of tmnxSubMgmtSystSTotInternalPeak indicates the peak number of internal hosts on this system.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtSystSIpoesSesIs)	long	The value of tmnxSubMgmtSystSIpoesSesIs indicates the number of current IPOE sessions in setup on this system.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtSystSIpoesSesIsPeak)	long	The value of tmnxSubMgmtSystSIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this system.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtSystSIpoesSesTotal)	long	The value of tmnxSubMgmtSystSIpoesSesTotal indicates the number of current IPOE sessions on this system.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtSystSIpoesSesTotalPeak)	long	The value of tmnxSubMgmtSystSIpoesSesTotalPeak indicates the peak number of IPOE sessions on this system.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 252 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 253 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessEgrQDepthInfo</p> <p>MIB entry name: tPortAccEgrQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortAccEgrQGrpQDepthInfoEntry represents queue-depth monitoring information for each access egress port queue-group override queue for which the value of tPortAccEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortAccEgrQGrpQDepthInfoTable): The value of tPortAccEgrQGrpQDepthInfoTable has an entry for each access egress port queue-group override queue for which the value of tPortAccEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.AccessEgrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortAccEgrQGrpQDepthAvgElpsdTme)	String	The value of tPortAccEgrQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (tPortAccEgrQGrpQDepthAvgPollInt)	long	The value of tPortAccEgrQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (tPortAccEgrQGrpQDepthPollPrct1)	double	The value of tPortAccEgrQGrpQDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (tPortAccEgrQGrpQDepthPollPrct10)	double	The value of tPortAccEgrQGrpQDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (tPortAccEgrQGrpQDepthPollPrct2)	double	The value of tPortAccEgrQGrpQDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrnt3 [Depth Poll Prcnt 3] (tPortAccEgrQGrpQDepthPollPrnt3)	double	The value of tPortAccEgrQGrpQDepthPollPrnt3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt4 [Depth Poll Prcnt 4] (tPortAccEgrQGrpQDepthPollPrnt4)	double	The value of tPortAccEgrQGrpQDepthPollPrnt4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt5 [Depth Poll Prcnt 5] (tPortAccEgrQGrpQDepthPollPrnt5)	double	The value of tPortAccEgrQGrpQDepthPollPrnt5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt6 [Depth Poll Prcnt 6] (tPortAccEgrQGrpQDepthPollPrnt6)	double	The value of tPortAccEgrQGrpQDepthPollPrnt6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt7 [Depth Poll Prcnt 7] (tPortAccEgrQGrpQDepthPollPrnt7)	double	The value of tPortAccEgrQGrpQDepthPollPrnt7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt8 [Depth Poll Prcnt 8] (tPortAccEgrQGrpQDepthPollPrnt8)	double	The value of tPortAccEgrQGrpQDepthPollPrnt8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt9 [Depth Poll Prcnt 9] (tPortAccEgrQGrpQDepthPollPrnt9)	double	The value of tPortAccEgrQGrpQDepthPollPrnt9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessIngrQDepthInfo</p> <p>MIB entry name: tPortAcclngQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortAcclngQGrpQDepthInfoEntry represents queue-depth monitoring information for each access ingress port queue-group override queue for which the value of tPortAcclngQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortAcclngQGrpQDepthInfoTable): The value of tPortAcclngQGrpQDepthInfoTable has an entry for each access ingress port queue-group override queue for which the value of tPortAcclngQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.AccessIngrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortAcclngQGrpQDepthAvgElpsdTme)	String	The value of tPortAcclngQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctlInterval [Depth Avg Poll Prctl Interval] (tPortAcclngQGrpQDepthAvgPollInt)	long	The value of tPortAcclngQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrctl1 [Depth Poll Prctl 1] (tPortAcclngQGrpQDepthPollPrctl1)	double	The value of tPortAcclngQGrpQDepthPollPrctl1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrctl10 [Depth Poll Prctl 10] (tPortAcclngQGrpQDepthPollPrctl10)	double	The value of tPortAcclngQGrpQDepthPollPrctl10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrctl2 [Depth Poll Prctl 2] (tPortAcclngQGrpQDepthPollPrctl2)	double	The value of tPortAcclngQGrpQDepthPollPrctl2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct3 [Depth Poll Prct 3] (tPortAcclngQGrpQDepthPollPrct3)	double	The value of tPortAcclngQGrpQDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (tPortAcclngQGrpQDepthPollPrct4)	double	The value of tPortAcclngQGrpQDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (tPortAcclngQGrpQDepthPollPrct5)	double	The value of tPortAcclngQGrpQDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (tPortAcclngQGrpQDepthPollPrct6)	double	The value of tPortAcclngQGrpQDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (tPortAcclngQGrpQDepthPollPrct7)	double	The value of tPortAcclngQGrpQDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (tPortAcclngQGrpQDepthPollPrct8)	double	The value of tPortAcclngQGrpQDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (tPortAcclngQGrpQDepthPollPrct9)	double	The value of tPortAcclngQGrpQDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CohOptPortStats</p> <p>MIB entry name: tmnxCohOptPortStatsEntry</p> <p>Entry description: Each row entry includes statistics for a DWDM coherent optical port in the system. Entries cannot be created or deleted via SNMP SET operations.</p> <p>Table description (for tmnxCohOptPortStatsTable): The tmnxCohOptPortStatsTable contains statistics information for DWDM coherent optical ports in the Nokia SROS system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
cohOptPortRxBER [Coh Opt Port Rx BER] (tmnxCohOptPortRxBER)	long	The value of tmnxCohOptPortRxBER indicates the RX Bit Error Rate (BER) since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERAvg [Coh Opt Port Rx BERAvg] (tmnxCohOptPortRxBERAvg)	long	The value of tmnxCohOptPortRxBERAvg indicates the RX average BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMax [Coh Opt Port Rx BERMax] (tmnxCohOptPortRxBERMax)	long	The value of tmnxCohOptPortRxBERMax indicates the RX maximum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMin [Coh Opt Port Rx BERMin] (tmnxCohOptPortRxBERMin)	long	The value of tmnxCohOptPortRxBERMin indicates the RX minimum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxChromaticDisp [Coh Opt Port Rx Chromatic Disp] (tmnxCohOptPortRxChromaticDisp)	long	The value of tmnxCohOptPortRxChromaticDisp indicates the RX chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispAvg [Coh Opt Port Rx Chromatic Disp Avg] (tmnxCohOptPortRxChromaticDispAvg)	long	The value of tmnxCohOptPortRxChromaticDispAvg indicates the RX average chromatic dispersion since the last port statistics clear.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxChromaticDispMax [Coh Opt Port Rx Chromatic Disp Max] (tmnxCohOptPortRxChromaticDispMax)	long	The value of tmnxCohOptPortRxChromaticDispMax indicates the RX maximum chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispMin [Coh Opt Port Rx Chromatic Disp Min] (tmnxCohOptPortRxChromaticDispMin)	long	The value of tmnxCohOptPortRxChromaticDispMin indicates the RX minimum chromatic dispersion since the last port statistics clear.
cohOptPortRxDiffGrpDly [Coh Opt Port Rx Diff Grp Dly] (tmnxCohOptPortRxDiffGrpDly)	long	The value of tmnxCohOptPortRxDiffGrpDly indicates the RX differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyAvg [Coh Opt Port Rx Diff Grp Dly Avg] (tmnxCohOptPortRxDiffGrpDlyAvg)	long	The value of tmnxCohOptPortRxDiffGrpDlyAvg indicates the RX average differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMax [Coh Opt Port Rx Diff Grp Dly Max] (tmnxCohOptPortRxDiffGrpDlyMax)	long	The value of tmnxCohOptPortRxDiffGrpDlyMax indicates the RX maximum differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMin [Coh Opt Port Rx Diff Grp Dly Min] (tmnxCohOptPortRxDiffGrpDlyMin)	long	The value of tmnxCohOptPortRxDiffGrpDlyMin indicates the RX minimum differential group delay since the last port statistics clear.
cohOptPortRxFreqOffset [Coh Opt Port Rx Freq Offset] (tmnxCohOptPortRxFreqOffset)	long	The value of tmnxCohOptPortRxFreqOffset indicates the RX frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetAvg [Coh Opt Port Rx Freq Offset Avg] (tmnxCohOptPortRxFreqOffsetAvg)	long	The value of tmnxCohOptPortRxFreqOffsetAvg indicates the RX average frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetMax [Coh Opt Port Rx Freq Offset Max] (tmnxCohOptPortRxFreqOffsetMax)	long	The value of tmnxCohOptPortRxFreqOffsetMax indicates the RX maximum frequency offset since the last port statistics clear.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxFreqOffsetMin [Coh Opt Port Rx Freq Offset Min] (tmnxCohOptPortRxFreqOffsetMin)	long	The value of tmnxCohOptPortRxFreqOffsetMin indicates the RX minimum frequency offset since the last port statistics clear.
cohOptPortRxFreqPower [Coh Opt Port Rx Power] (tmnxCohOptPortRxFreqPower)	float	The value of tmnxCohOptPortRxFreqPower indicates the RX optical power since the last port statistics clear.
cohOptPortRxFreqPowerAvg [Coh Opt Port Rx Power Avg] (tmnxCohOptPortRxFreqPowerAvg)	float	The value of tmnxCohOptPortRxFreqPowerAvg indicates the RX average optical power since the last port statistics clear.
cohOptPortRxFreqPowerMax [Coh Opt Port Rx Power Max] (tmnxCohOptPortRxFreqPowerMax)	float	The value of tmnxCohOptPortRxFreqPowerMax indicates the RX maximum optical power since the last port statistics clear.
cohOptPortRxFreqPowerMin [Coh Opt Port Rx Power Min] (tmnxCohOptPortRxFreqPowerMin)	float	The value of tmnxCohOptPortRxFreqPowerMin indicates the RX minimum optical power since the last port statistics clear.
cohOptPortRxQ [Coh Opt Port Rx Q] (tmnxCohOptPortRxQ)	long	The value of tmnxCohOptPortRxQ indicates the RX Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQAvg [Coh Opt Port Rx QAvg] (tmnxCohOptPortRxQAvg)	long	The value of tmnxCohOptPortRxQAvg indicates the RX average Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMax [Coh Opt Port Rx QMax] (tmnxCohOptPortRxQMax)	long	The value of tmnxCohOptPortRxQMax indicates the RX maximum Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMin [Coh Opt Port Rx QMin] (tmnxCohOptPortRxQMin)	long	The value of tmnxCohOptPortRxQMin indicates the RX minimum Q since the last port statistics clear, represented in tenths of a dB.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxSNR [Coh Opt Port Rx SNR] (tmnxCohOptPortRxSNR)	long	The value of tmnxCohOptPortRxSNR indicates the RX Signal-to-Noise Ratio (SNR) since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRAvg [Coh Opt Port Rx SNRAvg] (tmnxCohOptPortRxSNRAvg)	long	The value of tmnxCohOptPortRxSNRAvg indicates the RX average SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMax [Coh Opt Port Rx SNRMax] (tmnxCohOptPortRxSNRMax)	long	The value of tmnxCohOptPortRxSNRMax indicates the RX maximum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMin [Coh Opt Port Rx SNRMin] (tmnxCohOptPortRxSNRMin)	long	The value of tmnxCohOptPortRxSNRMin indicates the RX minimum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortStatsElapsedSec [Coh Opt Port Stats Elapsed Sec] (tmnxCohOptPortStatsElapsedSec)	long	The value of tmnxCohOptPortStatsElapsedSec indicates the number of elapsed seconds since the start of coherent optical stats collection after the last port statistics clear.
cohOptPortTxPower [Coh Opt Port Tx Power] (tmnxCohOptPortTxPower)	float	The value of tmnxCohOptPortTxPower indicates the TX optical power since the last port statistics clear.
cohOptPortTxPowerAvg [Coh Opt Port Tx Power Avg] (tmnxCohOptPortTxPowerAvg)	float	The value of tmnxCohOptPortTxPowerAvg indicates the TX average optical power since the last port statistics clear.
cohOptPortTxPowerMax [Coh Opt Port Tx Power Max] (tmnxCohOptPortTxPowerMax)	float	The value of tmnxCohOptPortTxPowerMax indicates the TX maximum optical power since the last port statistics clear.
cohOptPortTxPowerMin [Coh Opt Port Tx Power Min] (tmnxCohOptPortTxPowerMin)	float	The value of tmnxCohOptPortTxPowerMin indicates the TX minimum optical power since the last port statistics clear.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>NetworkEgrQDepthInfo MIB entry name: tPortNetEgrQGrpQDepthInfoEntry Entry description: The value of tPortNetEgrQGrpQDepthInfoEntry represents queue-depth monitoring information for each network egress port queue-group override queue for which the value of tPortNetEgrQOverMonitorDepth is set to 'true (1)'. Table description (for tPortNetEgrQGrpQDepthInfoTable): The value of tPortNetEgrQGrpQDepthInfoTable has an entry for each network egress port queue-group override queue for which the value of tPortNetEgrQOverMonitorDepth is set to 'true (1)'. Supports realtime plotting Supports scheduled collection Monitored class: ethernetequipment.NetworkEgrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortNetEgrQGrpQDepthAvgElpsdTme)	String	The value of tPortNetEgrQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctlInterval [Depth Avg Poll Prctl Interval] (tPortNetEgrQGrpQDepthAvgPollInt)	long	The value of tPortNetEgrQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrctl1 [Depth Poll Prctl 1] (tPortNetEgrQGrpQDepthPollPrctl1)	double	The value of tPortNetEgrQGrpQDepthPollPrctl1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrctl10 [Depth Poll Prctl 10] (tPortNetEgrQGrpQDepthPollPrctl10)	double	The value of tPortNetEgrQGrpQDepthPollPrctl10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct2 [Depth Poll Prct 2] (tPortNetEgrQGrpQDepthPollPrct2)	double	The value of tPortNetEgrQGrpQDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (tPortNetEgrQGrpQDepthPollPrct3)	double	The value of tPortNetEgrQGrpQDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (tPortNetEgrQGrpQDepthPollPrct4)	double	The value of tPortNetEgrQGrpQDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (tPortNetEgrQGrpQDepthPollPrct5)	double	The value of tPortNetEgrQGrpQDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (tPortNetEgrQGrpQDepthPollPrct6)	double	The value of tPortNetEgrQGrpQDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (tPortNetEgrQGrpQDepthPollPrct7)	double	The value of tPortNetEgrQGrpQDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (tPortNetEgrQGrpQDepthPollPrct8)	double	The value of tPortNetEgrQGrpQDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (tPortNetEgrQGrpQDepthPollPrct9)	double	The value of tPortNetEgrQGrpQDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OtulfStats</p> <p>MIB entry name: tmnxOtulfRawStatsEntry</p> <p>Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable.</p> <p>Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).
fecUas [Fec Uas] (tmnxOtulfRawStatsFECUAS)	long	The value of tmnxOtulfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsOFFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.
ofSmBip8 [Of Sm Bip 8] (tmnxOtuIfRawStatsOF SMBIP8)	long	The value of tmnxOtuIfRawStatsOF SMBIP8 indicates the number of times the tmnxOtuIfRawStatsSMBIP8 overflowed.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBei [Pm Bei] (tmnxOtuIfRawStatsPMBEI)	long	The value of tmnxOtuIfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtuIfRawStatsPMBIP8)	long	The value of tmnxOtuIfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtuIfRawStatsPMES)	long	The value of tmnxOtuIfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtuIfRawStatsPMSES)	long	The value of tmnxOtuIfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtuIfRawStatsPMUAS)	long	The value of tmnxOtuIfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtuIfRawStatsPPJ)	long	The value of tmnxOtuIfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtuIfRawStatsSMBEI)	long	The value of tmnxOtuIfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.
smBip8 [Sm Bip 8] (tmnxOtuIfRawStatsSMBIP8)	long	The value of tmnxOtuIfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smEs [Sm Es] (tmnxOtuIfRawStatsSMES)	long	The value of tmnxOtuIfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtuIfRawStatsSMSES)	long	The value of tmnxOtuIfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtuIfRawStatsSMUAS)	long	The value of tmnxOtuIfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. In release 11.0, tPortAccEgrQGrpInStanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortEgrQosQStatTable. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of forwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of forwarded packets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpExdProfOcts [Port Net Egr QGrp PSt Drp Exd Prof Octs] (tPortNetEgrQGrpPStDrpExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpExdProfOcts indicates the number of exceed-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStDrpExdProfPkts [Port Net Egr QGrp PSt Drp Exd Prof Pkts] (tPortNetEgrQGrpPStDrpExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpExdProfPkts indicates the number of exceed-profile packets discarded by the egress Pchip.
portNetEgrQGrpPStDrpInPlusProfOcts [Port Net Egr QGrp PSt Drp In Plus Prof Octs] (tPortNetEgrQGrpPStDrpInPProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStDrpInPlusProfPkts [Port Net Egr QGrp PSt Drp In Plus Prof Pkts] (tPortNetEgrQGrpPStDrpInPProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInPProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdExdProfOcts [Port Net Egr QGrp PSt Fwd Exd Prof Octs] (tPortNetEgrQGrpPStFwdExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdExdProfOcts indicates the number of exceed-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdExdProfPkts [Port Net Egr QGrp PSt Fwd Exd Prof Pkts] (tPortNetEgrQGrpPStFwdExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdExdProfPkts indicates the number of exceed-profile packets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInPlusProfOcts [Port Net Egr QGrp PSt Fwd In Plus Prof Octs] (tPortNetEgrQGrpPStFwdInPProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInPlusProfPkts [Port Net Egr QGrp PSt Fwd In Plus Prof Pkts] (tPortNetEgrQGrpPStFwdInPProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInPProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffExdProfOcts [Port Net Egr QGrp PSt Off Exd Prof Octs] (tPortNetEgrQGrpPStOffExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.
portNetEgrQGrpPStOffExdProfPkts [Port Net Egr QGrp PSt Off Exd Prof Pkts] (tPortNetEgrQGrpPStOffExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.
portNetEgrQGrpPStOffInPlusProfOcts [Port Net Egr QGrp PSt Off In Plus Prof Octs] (tPortNetEgrQGrpPStOffInPProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInPProfOcts indicates the number of inplus-profile octets offered by the egress Pchip.
portNetEgrQGrpPStOffInPlusProfPkts [Port Net Egr QGrp PSt Off In Plus Prof Pkts] (tPortNetEgrQGrpPStOffInPProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInPProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WaveLengthTrackerOpticalStats</p> <p>MIB entry name: tmnxOpticalPortOperEntry</p> <p>Entry description: Each row entry represents an Optical port on a IOM card in a chassis in the system. The tmnxOpticalPortOperEntry contains attributes that are unique to the Optical ports.</p> <p>Table description (for tmnxOpticalPortOperTable): The tmnxOpticalPortOperTable has an entry for each DWDM Optical port on each IOM card in each chassis in the Nokia SROS system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		
opticalAmpPowerIn [Optical Amp Power In] (tmnxOpticalPortAmpPowerIn)	float	The value of tmnxOpticalPortAmpPowerIn indicates the received average optical power at the input of the optical amplifier. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
<p>WaveLengthTrackerStats</p> <p>MIB entry name: tmnxWaveTrackerEntry</p> <p>Entry description: Each row entry represents a Wave Tracker capable port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. The tmnxWaveTrackerEntry contains attributes that are unique to the Wave Tracker capable ports.</p> <p>Table description (for tmnxWaveTrackerTable): The tmnxWaveTrackerTable has an entry for each Wavelength Tracker port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		

Table 253 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetPower [Target Power] (tmnxWaveTrackerTargetPower)	float	The value of tmnxWaveTrackerTargetPower specifies the desired average output power of the interface's transmitted optical signal when tmnxWaveTrackerPowerCtrlEnable is set to 'true (1)'. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerLowerPowerMargin [Wave Tracker Lower Power Margin] (tmnxWaveTrackerLowerPowerMargin)	float	tmnxWaveTrackerLowerPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be decreased. The UNITS mBm are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.
waveTrackerMeasuredPower [Wave Tracker Measured Power] (tmnxWaveTrackerMeasuredPower)	float	tmnxWaveTrackerMeasuredPower indicates the current average output power of the interface's transmitted optical signal. The UNITS mBm are units of 0.01 dBm or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerUpperPowerMargin [Wave Tracker Upper Power Margin] (tmnxWaveTrackerUpperPowerMargin)	float	tmnxWaveTrackerUpperPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be increased. The UNITS millibels (mB) are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.

Table 254 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
<p>delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)</p>	<p>long</p>	<p>The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).</p>

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoWayCount [Delay Dmm BintwoWay Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmGlobalOpcodeStats MIB entry name: tmnxDot1agCfmGlobalOpcodeEntry Entry description: A Global Opcode Stats Table entry. Table description (for tmnxDot1agCfmGlobalOpcodeTable): tmnxDot1agCfmGlobalOpcodeTable consists of global statistics that are kept in the receive and transmit direction on the node for each CFM PDU Opcode. Supports realtime plotting Supports scheduled collection Monitored class: ethernetoam.CfmGlobalOpcode</p>		
globalOpcode [Global Opcode] (tmnxDot1agCfmGlobalOpcode)	int	Integer that defines which CFM PDU Opcode the statistics refer to.
globalOpcodeRx [Global Opcode Rx] (tmnxDot1agCfmGlobalOpcodeRx)	long	The total number of PDUs received on the node with the specified Opcode.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
globalOpcodeTx [Global Opcode Tx] (tmnxDot1agCfmGlobalOpcodeTx)	long	The total number of PDUs transmitted from the node with the specified Opcode.
<p>CfmLmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossLmmEntry</p> <p>Entry description: tmnxOamPmStsLossLmmEntry contains the LMM test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmStsBaseTable row is created with tmnxOamPmStsBaseTestType = 'lmm(4)'. A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. The following objects are modelled after the MEF-35 loss parameters defined for Synthetic Loss Measurement (SLM) tests: tmnxOamPmStsLossLmmAvailIndBwd, tmnxOamPmStsLossLmmAvailIndFwd, tmnxOamPmStsLossLmmChliBwd, tmnxOamPmStsLossLmmChliFwd, tmnxOamPmStsLossLmmHliBwd, tmnxOamPmStsLossLmmHliFwd, tmnxOamPmStsLossLmmUnavailIndBwd, and tmnxOamPmStsLossLmmUnavailIndFwd. Hence, the REFERENCE text for this object is a MEF-35 SLM section. The value of tmnxOamPmCfgLossLmmAvAdminStatus controls the value of several objects in this table. See the tmnxOamPmCfgLossLmmAvAdminStatus DESCRIPTION clause for more information. When a test is running, the LMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all raw LMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossLmmTable): tmnxOamPmStsLossLmmTable contains the frame loss statistics for OAM Performance Monitoring LMM (Loss Measurement Message) tests.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmLmmSession</p>		
pmLmmAvailIndBwd [Pm Lmm Avail Ind Bwd] (tmnxOamPmStsLossLmmAvailIndBwd)	long	The value of tmnxOamPmStsLossLmmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmLmmAvailIndFwd [Pm Lmm Avail Ind Fwd] (tmnxOamPmStsLossLmmAvailIndFwd)	long	The value of tmnxOamPmStsLossLmmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmAvgFlrBwd [Pm Lmm Avg Flr Bwd] (tmnxOamPmStsLossLmmAvgFlrBwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmAvgFlrFwd [Pm Lmm Avg Flr Fwd] (tmnxOamPmStsLossLmmAvgFlrFwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmChliBwd [Pm Lmm Chli Bwd] (tmnxOamPmStsLossLmmChliBwd)	long	The value of tmnxOamPmStsLossLmmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmLmmChliFwd [Pm Lmm Chli Fwd] (tmnxOamPmStsLossLmmChliFwd)	long	The value of tmnxOamPmStsLossLmmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmLmmHliBwd [Pm Lmm Hli Bwd] (tmnxOamPmStsLossLmmHliBwd)	long	The value of tmnxOamPmStsLossLmmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmLmmHliFwd [Pm Lmm Hli Fwd] (tmnxOamPmStsLossLmmHliFwd)	long	The value of tmnxOamPmStsLossLmmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmLmmMaxFlrBwd [Pm Lmm Max Flr Bwd] (tmnxOamPmStsLossLmmMaxFlrBwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmMaxFlrFwd [Pm Lmm Max Flr Fwd] (tmnxOamPmStsLossLmmMaxFlrFwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrBwd [Pm Lmm Min Flr Bwd] (tmnxOamPmStsLossLmmMinFlrBwd)	long	The value of tmnxOamPmStsLossLmmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrFwd [Pm Lmm Min Flr Fwd] (tmnxOamPmStsLossLmmMinFlrFwd)	long	The value of tmnxOamPmStsLossLmmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxBwd [Pm Lmm Rx Bwd] (tmnxOamPmStsLossLmmRxBwd)	java. math. BigInte- ger	The value of tmnxOamPmStsLossLmmRxBwd indicates the number of service frames received in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxFwd [Pm Lmm Rx Fwd] (tmnxOamPmStsLossLmmRxFwd)	java. math. BigInte- ger	The value of tmnxOamPmStsLossLmmRxFwd indicates the number of service frames received in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxBwd [Pm Lmm Tx Bwd] (tmnxOamPmStsLossLmmTxBwd)	java. math. BigInte- ger	The value of tmnxOamPmStsLossLmmTxBwd indicates the number of service frames transmitted in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxFwd [Pm Lmm Tx Fwd] (tmnxOamPmStsLossLmmTxFwd)	java. math. BigInte- ger	The value of tmnxOamPmStsLossLmmTxFwd indicates the number of service frames transmitted in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUnavailIndBwd [Pm Lmm Unavail Ind Bwd] (tmnxOamPmStsLossLmmUnavailIndBwd)	long	The value of tmnxOamPmStsLossLmmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmLmmUnavailIndFwd [Pm Lmm Unavail Ind Fwd] (tmnxOamPmStsLossLmmUnavailIndFwd)	long	The value of tmnxOamPmStsLossLmmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmLmmUndtAvlBwd [Pm Lmm Undt Avl Bwd] (tmnxOamPmStsLossLmmUndtAvlBwd)	long	The value of tmnxOamPmStsLossLmmUndtAvlBwd indicates the number of availability indicators evaluated as Undetermined Available, in the backward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the availability indicator is Undetermined Available because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Available).
pmLmmUndtAvlFwd [Pm Lmm Undt Avl Fwd] (tmnxOamPmStsLossLmmUndtAvlFwd)	long	The value of tmnxOamPmStsLossLmmUndtAvlFwd indicates the number of availability indicators evaluated as Undetermined Available, in the forward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the availability indicator is Undetermined Available because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Available).

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUndtDeltaBwd [Pm Lmm Undt Delta Bwd] (tmnxOamPmStsLossLmmUndetDelTsBwd)	long	The value of tmnxOamPmStsLossLmmUndetDelTsBwd indicates the number of undetermined MEF-35 'delta_t's (also known as 'Small Time Intervals') for the backward direction for the specified measurement interval data set. An undetermined delta_t occurs when no Loss Measurement Reply (LMR) PDUs are received during the time interval. This counter is incremented because of a problem with the data path, or because the MEF-35 delta_t for this test is too short. delta_t is configured using tmnxOamPmCfgLossLmmInterval and tmnxOamPmCfgLossLmmTxFrmsPerDelT.
pmLmmUndtDeltaFwd [Pm Lmm Undt Delta Fwd] (tmnxOamPmStsLossLmmUndetDelTsFwd)	long	The value of tmnxOamPmStsLossLmmUndetDelTsFwd indicates the number of undetermined MEF-35 'delta_t's (also known as 'Small Time Intervals') for the forward direction for the specified measurement interval data set. An undetermined delta_t occurs when no Loss Measurement Reply (LMR) PDUs are received during the time interval. This counter is incremented because of a problem with the data path, or because the MEF-35 delta_t for this test is too short. delta_t is configured using tmnxOamPmCfgLossLmmInterval and tmnxOamPmCfgLossLmmTxFrmsPerDelT.
pmLmmUndtUnavlBwd [Pm Lmm Undt Unavl Bwd] (tmnxOamPmStsLossLmmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossLmmUndtUnavlBwd indicates the number of availability indicators evaluated as Undetermined Unavailable, in the backward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the availability indicator is Undetermined Unavailable because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Unavailable).

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUndtUnavlFwd [Pm Lmm Undt Unavl Fwd] (tmnxOamPmStsLossLmmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossLmmUndtUnavlFwd indicates the number of availability indicators evaluated as Undetermined Unavailable, in the forward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the availability indicator is Undetermined Unavailable because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Unavailable).
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmMepOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmMepOpcodeEntry</p> <p>Entry description: A Mep Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmMepOpcodeTable): tmnxDot1agCfmMepOpcodeTable consists of statistics that are kept in the receive and transmit direction on a MEP for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmMepOpcode</p>		
mepOpcode [Mep Opcode] (tmnxDot1agCfmMepOpcode)	int	The value of tmnxDot1agCfmMepOpcode specifies the CFM PDU Opcode to which the statistics refer.
mepOpcodeRx [Mep Opcode Rx] (tmnxDot1agCfmMepOpcodeRx)	long	The total number of PDUs received on the MEP with the specified Opcode.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mepOpcodeTx [Mep Opcode Tx] (tmnxDot1agCfmMepOpcodeTx)	long	The total number of PDUs transmitted from the MEP with the specified Opcode.
CfmPacketCountStats MIB entry name: tmnxDot1agCfmGlobalPacketStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
globalAisTxActive [Global Ais Tx Active] (tmnxDot1agCfmGlobalAisTxActive)	long	The value of tmnxDot1agCfmGlobalAisTxActive indicates the number of sessions where fault (AIS or other) is actively being transmitted.
globalAisTxFail [Global Ais Tx Fail] (tmnxDot1agCfmGlobalAisTxFail)	long	The value of tmnxDot1agCfmGlobalAisTxFail indicates the number of sessions where fault (AIS or other) can't be transmitted due to lack of resources.
globalPacketDiscard [Global Packet Discard] (tmnxDot1agCfmGlobalPacketDiscard)	long	The value of tmnxDot1agCfmGlobalPacketDiscard indicates the number of packets discarded by ETH-CFM. A packet may be discarded for several reasons including, but not limited to, malformed PDU, invalid TLVs, MEP admin down, etc.
globalPacketDropped [Global Packet Dropped] (tmnxDot1agCfmGlobalPacketDropped)	long	The value of tmnxDot1agCfmGlobalPacketDropped indicates the number of packets dropped by ETH-CFM. A packet is dropped because of resource contention.
globalPacketRxCount [Global Packet Rx Count] (tmnxDot1agCfmGlobalPacketRxCount)	long	The value of tmnxDot1agCfmGlobalPacketRxCount indicates the number of received ETH-CFM packets.
globalPacketTxCount [Global Packet Tx Count] (tmnxDot1agCfmGlobalPacketTxCount)	long	The value of tmnxDot1agCfmGlobalPacketTxCount indicates the number of transmitted ETH-CFM packets.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 254 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavlIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavlIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 254 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStatsIntvlNum)	long	The value of tmnxOamPmStatsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStatsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OamSysPerfStats MIB entry name: tmnxOamGeneralStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
currentNumberOfSAATests [Current Number Of SAATests] (tmnxOamSysSessionCount)	long	The value of tmnxOamSysSessionCount indicates the number of currently allocated sessions in the OAM general session pool. A test with one of the following test types allocates a session from the OAM general session pool: 1. Filter redirect policy ping test. 2. SDP keep-alive. 3. Static route CPE check. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB. 7. Background ICMP Bridged Residential Gateway ping test. A session is allocated from the OAM general session pool when a test is configured (in the case of some test types) or activated (in the remaining cases). The session is freed when the test is deactivated or deleted. tmnxOamSysSessionCount will not exceed tmnxOamSysSessionLimit. Configuration or activation of a test (with a test type listed above) will fail when tmnxOamSysSessionCount equals tmnxOamSysSessionLimit.
currentTxRateForContinousTests [Current Tx Rate For Continous Tests] (tmnxOamSysPerfCfgTotalTx)	long	The value of tmnxOamSysPerfCfgTotalTx indicates this node's current total configured echo request packet transmission rate, for the set of tests listed in the tmnxOamSysPerfCfgLimitTx DESCRIPTION clause. For example, suppose: a) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and b) several SAA continuous tests are enabled, totalling 2000 echo request packets per second, and c) no other relevant tests are enabled. Then, tmnxOamSysPerfCfgTotalTx will have the value 3000. The value of tmnxOamSysPerfCfgTotalTx will not exceed the value of tmnxOamSysPerfCfgLimitTx.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastClearStatsTime [Last Clear Stats Time] (tmnxOamSysPerfLastClearedTime)	long	The value of tmnxOamSysPerfLastClearedTime indicates the sysUpTime when the following statistics were cleared: tmnxOamSysPerfLocalTestTx, tmnxOamSysPerfRemoteTestRx, and tmnxOamSysPerfReqTypeTable. If the statistics have not been cleared since the last CPM restart, zero is returned. A packet count which is time stamped by this object can be converted to an average packets per second value using, for example, pps = tmnxOamSysPerfLocalTestTx / [(sysUpTime - tmnxOamSysPerfLastClearedTime)/100].
maxNumberOfSAATests [Max Number Of SAATests] (tmnxOamSysSessionLimit)	long	The value of tmnxOamSysSessionLimit indicates the maximum number of sessions in the OAM general session pool. OAM general session pool sessions are allocated and freed as described in the tmnxOamSysSessionCount DESCRIPTION clause.
maxTxRateForAllOamTests [Max Tx Rate For All Oam Tests] (tmnxOamSysPerfOprLimitTx)	long	The value of tmnxOamSysPerfOprLimitTx indicates this node's upper bound on the total echo request packet transmission rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following test types: 1. Background ICMP Bridged Residential Gateway ping test. 2. Filter redirect policy ping test. 3. SDP keep-alive. 4. Static route CPE check. 5. VRRP policy host unreachable ping test. 6. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 7. Any test configured using TIMETRA-OAM-PM-MIB.

Table 254 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxTxRateForContinousTests [Max Tx Rate For Continous Tests] (tmnxOamSysPerfCfgLimitTx)	long	The value of tmnxOamSysPerfCfgLimitTx indicates this node's upper bound on the total configured echo request packet transmission rate for a set of test types. The upper bound is enforced to avoid echo request packet transmit overload, i.e. to ensure each enabled test can transmit echo request packets at the test's configured rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following 'always on' test types: 1. Background ICMP Bridged Residential Gateway ping test. 2. Filter redirect policy ping test. 3. SDP keep-alive. 4. Static route CPE check. 5. VRRP policy host unreachable ping test. 6. SAA continuous test (see tmnxOamSaaCtlContinuous). 7. OAM-PM proactive test (see TIMETRA-OAM-PM-MIB::tmnxOamPmCfgSessType). For example, suppose: a) tmnxOamSysPerfCfgLimitTx has the value 4000 echo request packets per second, and b) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and c) several SAA continuous tests are enabled, totalling 3000 echo request packets per second. Then, an attempt to enable an additional SAA continuous test would be rejected with a 'resourceUnavailable(13)' error.
totalNumberOfEchoRequestPacketsReceived [Total Number Of Echo Request Packets Received] (tmnxOamSysPerfRemoteTestRx)	long	The value of tmnxOamSysPerfRemoteTestRx indicates this node's total number of echo request packets received from remotely initiated tests (since the last clear).
totalNumberOfEchoRequestPacketsTransmitted [Total Number Of Echo Request Packets Transmitted] (tmnxOamSysPerfLocalTestTx)	long	The value of tmnxOamSysPerfLocalTestTx indicates this node's total number of echo request packets transmitted by locally initiated tests (since the last clear). The test types are listed in the tmnxOamSysPerfOprLimitTx DESCRIPTION clause.

Table 255 fr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tmnxFRDlcmiEntry</p> <p>Entry description: The Parameters for a particular Data Link Connection Management Interface. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxFRDlcmiTable): The tmnxFRDlcmiTable has an entry for each port in the system that is configured for Frame Relay. It contains the parameters for the Data Link Connection Management Interface (DLCMI) for the frame relay service on this port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: fr.Interface</p>		
lmiDiscardedMessages [Lmi Discarded Messages] (tmnxFRDlcmiDiscardedMsgs)	long	tmnxFRDlcmiDiscardedMsgs indicates the number of times the LMI agent discarded a received message because it wasn't expecting it, the type of message was incorrect, or the contents of the message were invalid.
lmiInvalidRxSeqNumMessages [Lmi Invalid Rx Seq Num Messages] (tmnxFRDlcmiInvRxSeqNumMsgs)	long	tmnxFRDlcmiInvRxSeqNumMsgs indicates the number of times the LMI agent received a message with an invalid receive sequence number: i.e. a sequence number that does not match the last transmitted sequence number of the agent.
lmiRxStatusEnquiryMessages [Lmi Rx Status Enquiry Messages] (tmnxFRDlcmiRxStatusEnqMsgs)	long	tmnxFRDlcmiRxStatusEnqMsgs indicates the number of LMI Status Enquiry messages received on this Frame Relay interface.
lmiRxStatusMessages [Lmi Rx Status Messages] (tmnxFRDlcmiRxStatusMsgs)	long	tmnxFRDlcmiRxStatusMsgs indicates the number of LMI Status messages received on this Frame Relay interface.
lmiStatusEnquiryMsgTimeouts [Lmi Status Enquiry Msg Timeouts] (tmnxFRDlcmiStatusEnqMsgTimeouts)	long	tmnxFRDlcmiStatusEnqMsgTimeouts indicates the number of times the LMI agent did not receive a Status Enquiry message within the allotted time.

Table 255 fr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lmiStatusMsgTimeouts [Lmi Status Msg Timeouts] (tmnxFRDlcmiStatusMsgTimeouts)	long	tmnxFRDlcmiStatusMsgTimeouts indicates the number of times the LMI agent did not receive a Status message within the allotted time.
lmiTxStatusEnquiryMessages [Lmi Tx Status Enquiry Messages] (tmnxFRDlcmiTxStatusEnqMsgs)	long	tmnxFRDlcmiTxStatusEnqMsgs indicates the number of LMI Status Enquiry messages transmitted on this Frame Relay interface.
lmiTxStatusMessages [Lmi Tx Status Messages] (tmnxFRDlcmiTxStatusMsgs)	long	tmnxFRDlcmiTxStatusMsgs indicates the number of LMI Status messages transmitted on this Frame Relay interface.

Table 256 gsmpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GsmppSessionStats</p> <p>MIB entry name: tmnxAncpSessionStatsEntry</p> <p>Entry description: Each row contains statistics information about an ANCP session known to the system. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSessionStatsTable): The table tmnxAncpSessionStatsTable contains statistic information for every ANCP session known to the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gsmpp.GsmppGroupNeighborSession</p>		
ancpAckReceived [Ancp Ack Received] (tmnxAncpSesStatRxAck)	long	The value of tmnxAncpSesStatRxAck indicates the number of GSMP ACK messages received in this ANCP session.
ancpAckTransmitted [Ancp Ack Transmitted] (tmnxAncpSesStatTxAck)	long	The value of tmnxAncpSesStatTxAck indicates the number of GSMP ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpLoopBackReceived [Ancp Loop Back Received] (tmnxAncpSesStatRxLoopback)	long	The value of tmnxAncpSesStatRxLoopback indicates the number of GSMP Loopback messages received in this ANCP session.
ancpLoopBackTransmitted [Ancp Loop Back Transmitted] (tmnxAncpSesStatTxLoopback)	long	The value of tmnxAncpSesStatTxLoopback indicates the number of GSMP Loopback messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpPortDownReceived [Ancp Port Down Received] (tmnxAncpSesStatRxPortDown)	long	The value of tmnxAncpSesStatRxPortDown indicates the number of GSMP 'PortDown' messages received in this ANCP session.
ancpPortDownTransmitted [Ancp Port Down Transmitted] (tmnxAncpSesStatTxPortDown)	long	The value of tmnxAncpSesStatTxPortDown indicates the number of GSMP 'PortDown' messages that were transmitted to the ANCP neighbor in this session.

Table 256 gsmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpPortUpReceived [Ancp Port Up Received] (tmnxAncpSesStatRxPortUp)	long	The value of tmnxAncpSesStatRxPortUp indicates the number of GSMP 'PortUp' messages received in this ANCP session.
ancpPortUpTransmitted [Ancp Port Up Transmitted] (tmnxAncpSesStatTxPortUp)	long	The value of tmnxAncpSesStatTxPortUp indicates the number of GSMP 'PortUp' messages that were transmitted to the ANCP neighbor in this session.
ancpRstAckReceived [Ancp Rst Ack Received] (tmnxAncpSesStatRxRstAck)	long	The value of tmnxAncpSesStatRxRstAck indicates the number of GSMP RST ACK messages received in this ANCP session.
ancpRstAckTransmitted [Ancp Rst Ack Transmitted] (tmnxAncpSesStatTxRstAck)	long	The value of tmnxAncpSesStatTxRstAck indicates the number of GSMP RST ACK messages that were transmitted to the ANCP neighbor in this session.
ancpSynAckReceived [Ancp Syn Ack Received] (tmnxAncpSesStatRxSynAck)	long	The value of tmnxAncpSesStatRxSynAck indicates the number of GSMP SYN ACK messages received in this ANCP session.
ancpSynAckTransmitted [Ancp Syn Ack Transmitted] (tmnxAncpSesStatTxSynAck)	long	The value of tmnxAncpSesStatTxSynAck indicates the number of GSMP SYN ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpSynReceived [Ancp Syn Received] (tmnxAncpSesStatRxSyn)	long	The value of tmnxAncpSesStatRxSyn indicates the number of GSMP SYN messages received in this ANCP session.
ancpSynTransmitted [Ancp Syn Transmitted] (tmnxAncpSesStatTxSyn)	long	The value of tmnxAncpSesStatTxSyn indicates the number of GSMP SYN messages that were transmitted to the ANCP neighbor in this ANCP session.

Table 256 gsmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpTransmittedDropped [Ancp Transmitted Dropped] (tmnxAncpSesStatTxDrop)	long	The value of tmnxAncpSesStatTxDrop indicates the number of GSMP protocol messages that were created by the system in order for them to be sent to the ACNP neighbor, but were never transmitted.

Table 257 ies statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDataTrigStats</p> <p>MIB entry name: tmnxSapDataTrigStatsEntry</p> <p>Entry description: Each conceptual row contains detailed data trigger statistics information about a SAP. Entries in this table are created and removed automatically by the system. The system creates conceptual rows in this table only for SAP's where the value of sapStatHostMacLearnOptions is equal to 'dataTriggered'. The system does not create rows unless there is at least one non-zero counter.</p> <p>Table description (for tmnxSapDataTrigStatsTable): The tmnxSapDataTrigStatsTable contains detailed statistics information about the data triggers involved in creating data-triggered subscriber hosts. The typical usage of this table is to fill in the part of the index that identifies a SAP, and perform a partial walk to get all the statistics applicable to that SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ies.ServiceAccessPoint</p>		
dropUnsupportedProtocol [Drop Unsupported Protocol] (tmnxSapDataTrigStatsVal)	java. math. BigInteger	The value of the object tmnxSapDataTrigStatsVal indicates the value of the statistics contained in this conceptual row.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.

Table 257 ies statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsId [Stats Id] (tmnxSapDataTrigStatsId)	long	The value of tmnxSapDataTrigStatsId indicates the identifier of the SAP data trigger statistics contained in this conceptual row. It is a meaningless number generated by this system.

Table 258 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupInterfaceSapStats MIB entry name: vRtrIgmPGrpIfSapStatsEntry Entry description: An entry in the vRtrIgmPGrpIfSapStatsTable. Table description (for vRtrIgmPGrpIfSapStatsTable): The table listing the IGMP statistics for a particular SAP on a group-interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.GroupInterfaceSap</p>		
importPlyDrops [Import Ply Drops] (vRtrIgmPGrpIfSapImportPlyDrops)	long	The value of vRtrIgmPGrpIfSapImportPlyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy tmnxSubIgmPlyImportPolicy.
rxBadChksumPkts [Rx Bad Chksum Pkts] (vRtrIgmPGrpIfSapRxBadChksumPkts)	long	The value of vRtrIgmPGrpIfSapRxBadChksumPkts indicates the total number of IGMP packets with bad checksum received for this SAP.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmPGrpIfSapRxBadEncodings)	long	The value of vRtrIgmPGrpIfSapRxBadEncodings indicates the total number of IGMP packets received for this SAP which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmPGrpIfSapRxBadLenPkts)	long	The value of vRtrIgmPGrpIfSapRxBadLenPkts indicates the total number of IGMP packets with bad length received for this SAP.
rxBadRecvIfPkts [Rx Bad Recv If Pkts] (vRtrIgmPGrpIfSapRxBadRecvIfPkts)	long	The value of vRtrIgmPGrpIfSapRxBadRecvIfPkts indicates the total number of IGMP packets incorrectly received for this SAP.
rxGenQueries [Rx Gen Queries] (vRtrIgmPGrpIfSapRxGenQueries)	long	The value of vRtrIgmPGrpIfSapRxGenQueries indicates the total number of IGMP General Queries received for this SAP.

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrIgmPGrpIfSapRxGrpQueries)	long	The value of vRtrIgmPGrpIfSapRxGrpQueries indicates the number of IGMP Group Specific Queries received for this SAP.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmPGrpIfSapRxGrpSrcQueries)	long	The value of vRtrIgmPGrpIfSapRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received for this SAP.
rxLeaves [Rx Leaves] (vRtrIgmPGrpIfSapRxLeaves)	long	The value of vRtrIgmPGrpIfSapRxLeaves indicates the total number of IGMP V2 Leaves received for this SAP.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmPGrpIfSapRxLocalScopePkts)	long	The value of the object vRtrIgmPGrpIfSapRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmPGrpIfSapRxNoRtrAlertPkts)	long	The value of vRtrIgmPGrpIfSapRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received for this SAP which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmPGrpIfSapRxNonLocal)	long	The value of vRtrIgmPGrpIfSapRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmPGrpIfSapRxPktDrops)	long	The value of vRtrIgmPGrpIfSapRxPktDrops indicates the total number of IGMP packets that were received for this SAP but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmPGrpIfSapRxRsvdScopePkts)	long	The value of the object vRtrIgmPGrpIfSapRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.
rxUnknTypePkts [Rx Unkn Type Pkts] (vRtrIgmPGrpIfSapRxUnknTypePkts)	long	The value of vRtrIgmPGrpIfSapRxUnknTypePkts indicates the total number of IGMP packets with unknown type received for this SAP.

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrIgmPGrpIfSapRxV1Reports)	long	The value of vRtrIgmPGrpIfSapRxV1Reports indicates the total number of IGMP V1 Reports received for this SAP.
rxV2Reports [Rx V2 Reports] (vRtrIgmPGrpIfSapRxV2Reports)	long	The value of vRtrIgmPGrpIfSapRxV2Reports indicates the total number of IGMP V2 Reports received for this SAP.
rxV3Reports [Rx V3 Reports] (vRtrIgmPGrpIfSapRxV3Reports)	long	The value of vRtrIgmPGrpIfSapRxV3Reports indicates the total number of IGMP V3 Reports received for this SAP.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmPGrpIfSapRxWrongVersions)	long	The value of vRtrIgmPGrpIfSapRxWrongVersions indicates the total number of IGMP packets with wrong versions received for this SAP.
statsMcacPlcyDrp [Stats Mcac Plcy Drp] (vRtrIgmPGrpIfSapStatsMcacPlcyDrp)	long	The value of the object vRtrIgmPGrpIfSapStatsMcacPlcyDrp indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy for this SAP.
statsSGTypes [Stats SGTypes] (vRtrIgmPGrpIfSapStatsSGTypes)	long	The value of vRtrIgmPGrpIfSapStatsSGTypes indicates the number of entries for this SAP for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmPGrpIfSapStatsStarGTypes)	long	vRtrIgmPGrpIfSapStatsStarGTypes indicates the number of entries for this SAP for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmPGrpIfSapTxErrors)	long	The value of vRtrIgmPGrpIfSapTxErrors indicates the total number of times there was an error transmitting IGMP packets for this SAP.
txGenQueries [Tx Gen Queries] (vRtrIgmPGrpIfSapTxGenQueries)	long	The value of vRtrIgmPGrpIfSapTxGenQueries indicates the number of IGMP General Queries transmitted for this SAP.

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpQueries [Tx Grp Queries] (vRtrIgmPGrpIfSapTxGrpQueries)	long	The value of vRtrIgmPGrpIfSapTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted for this SAP.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmPGrpIfSapTxGrpSrcQueries)	long	The value of vRtrIgmPGrpIfSapTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted for this SAP.
txLeaves [Tx Leaves] (vRtrIgmPGrpIfSapTxLeaves)	long	The value of vRtrIgmPGrpIfSapTxLeaves indicates the total number of IGMP Leaves transmitted for this SAP.
txV1Reports [Tx V1 Reports] (vRtrIgmPGrpIfSapTxV1Reports)	long	The value of vRtrIgmPGrpIfSapTxV1Reports indicates the total number of IGMP V1 Reports transmitted for this SAP.
txV2Reports [Tx V2 Reports] (vRtrIgmPGrpIfSapTxV2Reports)	long	The value of vRtrIgmPGrpIfSapTxV2Reports indicates the total number of IGMP V2 Reports transmitted for this SAP.
txV3Reports [Tx V3 Reports] (vRtrIgmPGrpIfSapTxV3Reports)	long	The value of vRtrIgmPGrpIfSapTxV3Reports indicates the total number of IGMP V3 Reports transmitted for this SAP.
InterfaceStats MIB entry name: vRtrIgmPlfStatsEntry Entry description: An entry in the vRtrIgmPlfStatsTable. Table description (for vRtrIgmPlfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.

Table 258 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 259 ipsec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecRemoteUserDhcpLeaseStats</p> <p>MIB entry name: tIPsecRUTnIDhcpLeaseStatEntry</p> <p>Entry description: The tIPsecRUTnIDhcpLeaseStatEntry contains the statistics information of one private IP address DHCP lease in the dynamic IPsec remote user tunnel. Rows in this table are created when the value of tIPsecRUTnIPrivatelpAddr or tIPsecRUTnIPrivatelpAddr2 in the associated entry of tIPsecRUTnITable is changed from all-zeros to any valid address that was obtained from a DHCP server. Rows in this table are destroyed when the associated entry is destroyed in tIPsecRUTnITable.</p> <p>Table description (for tIPsecRUTnIDhcpLeaseStatTable): The tIPsecRUTnIDhcpLeaseStatTable contains the statistics information of the private IP address DHCP leases in the dynamic IPsec remote user tunnel. Refer to tIPsecRUTnITable for the information of the dynamic IPsec remote user tunnel. Each tunnel has at most two private IP addresses (i.e., tIPsecRUTnIPrivatelpAddr and tIPsecRUTnIPrivatelpAddr2).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ipsec.IPSecRemoteUser</p>		
acquiredTime [Acquired Time] (tIPsecRUTnIDhcpLeaseStatAcquirTm)	String	The value of tIPsecRUTnIDhcpLeaseStatAcquirTm indicates the UTC date when the latest DHCP lease was acquired from the server. The address of the server is indicated by tIPsecRUTnIDhcpLeaseStatSverAddr. The value of tIPsecRUTnIDhcpLeaseStatAcquirTm can be the time when the private IP address (i.e., tIPsecRUTnIDhcpLeaseStatPrivAddr) of the dynamic IPsec user remote tunnel first obtained the DHCP lease, or the time when the lease was renewed or rebound.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
privPref [Priv Pref] (tIPsecRUTnIDhcpLeaseStatPrivPref)	String	The value of tIPsecRUTnIDhcpLeaseStatPrivPref indicates the UTC date when the preferred lifetime of the private IP address (i.e., tIPsecRUTnIDhcpLeaseStatPrivAddr) for the dynamic IPsec user remote tunnel will expire. In the preferred state, tIPsecRUTnIDhcpLeaseStatPrivAddr can be used without any restriction. Once the lifetime expires, tIPsecRUTnIDhcpLeaseStatPrivAddr is still valid, but needs to be renewed or rebound. The value of tIPsecRUTnIDhcpLeaseStatPrivPref is meaningless when tIPsecRUTnIDhcpLeaseStatSverAddT is 'ipv4 (1)'.
privValid [Priv Valid] (tIPsecRUTnIDhcpLeaseStatPrivVald)	String	The value of tIPsecRUTnIDhcpLeaseStatPrivVald indicates the UTC date when the valid lifetime of the private IP address (i.e., tIPsecRUTnIDhcpLeaseStatPrivAddr) for the dynamic IPsec user remote tunnel will expire. Once the valid lifetime expires, tIPsecRUTnIDhcpLeaseStatPrivAddr must be renewed or rebound.
privateAddress [Private Address] (tIPsecRUTnIDhcpLeaseStatPrivAddr)	String	The value of tIPsecRUTnIDhcpLeaseStatPrivAddr specifies the private IP address of the dynamic IPsec remote user tunnel. It can be either tIPsecRUTnIPrivatelpAddr or tIPsecRUTnIPrivatelpAddr2.
privateAddressType [Private Address Type] (tIPsecRUTnIDhcpLeaseStatPrivAddT)	int	The value of tIPsecRUTnIDhcpLeaseStatPrivAddT specifies the address type of tIPsecRUTnIDhcpLeaseStatPrivAddr.
rebindTime [Rebind Time] (tIPsecRUTnIDhcpLeaseStatRebindTm)	String	The value of tIPsecRUTnIDhcpLeaseStatRebindTm indicates the UTC date when the current DHCP lease needs to be rebound.
renewTime [Renew Time] (tIPsecRUTnIDhcpLeaseStatRenewTm)	String	The value of tIPsecRUTnIDhcpLeaseStatRenewTm indicates the UTC date when the current DHCP lease needs to be renewed.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverAddress [Server Address] (tIPsecRUTnIDhcpLeaseStatSverAddr)	String	The value of tIPsecRUTnIDhcpLeaseStatSverAddr indicates the DHCP server address.
serverAddressType [Server Address Type] (tIPsecRUTnIDhcpLeaseStatSverAddT)	int	The value of tIPsecRUTnIDhcpLeaseStatSverAddT indicates the address type of tIPsecRUTnIDhcpLeaseStatSverAddr. The value of tIPsecRUTnIDhcpLeaseStatSverAddT is always equal to tIPsecRUTnIDhcpLeaseStatPrivAddT.
IPSecRemoteUserSAStats MIB entry name: tIPsecRUSASStatsEntry Entry description: Information about a single IPsec Remote-User SA Statistics entry. Table description (for tIPsecRUSASStatsTable): Table to retrieve the IPsec Remote-User SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecRemoteUserSecurityAssociation		
bytesProcessed [Bytes Processed] (tIPsecRUSASStatsBytesProcessed)	java. math. BigInteger	The value of tIPsecRUSASStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tIPsecRUSASStatsCryptoErrors)	long	The value of tIPsecRUSASStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tIPsecRUSASStatsPktsProcessed)	java. math. BigInteger	The value of tIPsecRUSASStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tIPsecRUSASStatsPolicyErrors)	long	The value of tIPsecRUSASStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
replayErrors [Replay Errors] (tIPsecRUSASStatsReplayErrors)	long	The value of tIPsecRUSASStatsReplayErrors indicates the number of replay errors encountered on this SA.
saErrors [Sa Errors] (tIPsecRUSASStatsSAErrors)	long	The value of tIPsecRUSASStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, policy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecRemoteUserStats MIB entry name: tIPsecRUTnlStatsEntry Entry description: Statistics for a single IPsec Remote User Tunnel. Table description (for tIPsecRUTnlStatsTable): Table to store IPsec Remote User Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecRemoteUser		
isakmpEstabTime [Isakmp Estab Time] (tIPsecRUTnlIsakmpEstabTime)	long	The value of tIPsecRUTnlIsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tIPsecRUTnlIsakmpNegLifeTime)	long	The value of tIPsecRUTnlIsakmpNegLifeTime indicates the lifetime negotiated for phase1 IKE key.
isakmpState [Isakmp State] (tIPsecRUTnlIsakmpState)	long	The value of tIPsecRUTnlIsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tIPsecRUTnlNumCtrlPktsRx)	long	The value of tIPsecRUTnlNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlPktsTx [Num Ctrl Pkts Tx] (tIPsecRUTnlNumCtrlPktsTx)	long	The value of tIPsecRUTnlNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.
numCtrlRxErrors [Num Ctrl Rx Errors] (tIPsecRUTnlNumCtrlRxErrors)	long	The value of tIPsecRUTnlNumCtrlRxErrors indicates the number of control packet receive errors.
numCtrlTxErrors [Num Ctrl Tx Errors] (tIPsecRUTnlNumCtrlTxErrors)	long	The value of tIPsecRUTnlNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tIPsecRUTnlNumDpdAckRx)	long	The value of tIPsecRUTnlNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tIPsecRUTnlNumDpdAckTx)	long	The value of tIPsecRUTnlNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tIPsecRUTnlNumDpdRx)	long	The value of tIPsecRUTnlNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tIPsecRUTnlNumDpdTx)	long	The value of tIPsecRUTnlNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tIPsecRUTnlNumExpRx)	long	The value of tIPsecRUTnlNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tIPsecRUTnlNumInvalidDpdRx)	long	The value of tIPsecRUTnlNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecSAStats MIB entry name: tmnxIPsecSAStatsEntry Entry description: Information about a single IPsec SA Statistics entry. Table description (for tmnxIPsecSAStatsTable): Table to retrieve the IPsec SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecSecurityAssociation</p>		
bytesProcessed [Bytes Processed] (tmnxIPsecSAStatsBytesProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tmnxIPsecSAStatsCryptoErrors)	long	The value of tmnxIPsecSAStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tmnxIPsecSAStatsPktsProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tmnxIPsecSAStatsPolicyErrors)	long	The value of tmnxIPsecSAStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.
replayErrors [Replay Errors] (tmnxIPsecSAStatsReplayErrors)	long	The value of tmnxIPsecSAStatsReplayErrors indicates the number of replay errors encountered on this SA.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saErrors [Sa Errors] (tmnxIPsecSAStatsSAErrors)	long	The value of tmnxIPsecSAStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, policy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecTunnelCountStats MIB entry name: tmnxIPsecTunnelCountObjs Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey		
gtwCertTunnels [Gtw Cert Tunnels] (tmnxIPsecGWCertTunnels)	long	The value of tmnxIPsecGWCertTunnels indicates the number of IPSec gateway tunnels with tmnxIkePolicyAuthMethod set to 'cert'.
gtwPskTunnels [Gtw Psk Tunnels] (tmnxIPsecGWPsKtunnels)	long	The value of tmnxIPsecGWPsKtunnels indicates the number of IPSec gateway tunnels with tmnxIkePolicyAuthMethod set to 'psk'.
gtwPskXAuthTunnels [Gtw Psk XAuth Tunnels] (tmnxIPsecGWPsKXAuthTunnels)	long	The value of tmnxIPsecGWPsKXAuthTunnels indicates the number of IPSec gateway tunnels with tmnxIkePolicyAuthMethod set to 'plainPskXAuth'.
pskTunnels [Psk Tunnels] (tmnxIPsecPsKtunnels)	long	The value of tmnxIPsecPsKtunnels indicates the number of IPSec tunnels with tmnxIkePolicyAuthMethod set to 'psk'.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IPSecTunnelStats MIB entry name: tmnxIPsecTunnelStatsEntry Entry description: Statistics for a single IPsec Tunnel. Table description (for tmnxIPsecTunnelStatsTable): Table to store IPsec Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecTunnel		
isakmpEstabTime [Isakmp Estab Time] (tmnxIPsecTunnellsakmpEstabTime)	long	The value of tmnxIPsecTunnellsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tmnxIPsecTunnellsakmpNegLifeTime)	long	The value of tmnxIPsecTunnellsakmpNegLifeTime indicates the lifetime negotiated for phase1 IKE key.
isakmpState [Isakmp State] (tmnxIPsecTunnellsakmpState)	long	The value of tmnxIPsecTunnellsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tmnxIPsecTunnelNumCtrlPktsRx)	long	The value of tmnxIPsecTunnelNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.
numCtrlPktsTx [Num Ctrl Pkts Tx] (tmnxIPsecTunnelNumCtrlPktsTx)	long	The value of tmnxIPsecTunnelNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.
numCtrlRxErrors [Num Ctrl Rx Errors] (tmnxIPsecTunnelNumCtrlRxErrors)	long	The value of tmnxIPsecTunnelNumCtrlRxErrors indicates the number of control packet receive errors.

Table 259 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlTxErrors [Num Ctrl Tx Errors] (tmnxIPsecTunnelNumCtrlTxErrors)	long	The value of tmnxIPsecTunnelNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tmnxIPsecTunnelNumDpdAckRx)	long	The value of tmnxIPsecTunnelNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tmnxIPsecTunnelNumDpdAckTx)	long	The value of tmnxIPsecTunnelNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tmnxIPsecTunnelNumDpdRx)	long	The value of tmnxIPsecTunnelNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tmnxIPsecTunnelNumDpdTx)	long	The value of tmnxIPsecTunnelNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tmnxIPsecTunnelNumExpRx)	long	The value of tmnxIPsecTunnelNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tmnxIPsecTunnelNumInvalidDpdRx)	long	The value of tmnxIPsecTunnelNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 260 isa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaGroupEgrQStats</p> <p>MIB entry name: tmnxBsxGrpStatusEgrQEntry</p> <p>Entry description: Each tmnxBsxGrpStatusEgrQEntry contains the Qos status information for traffic incoming to a particular ISA-AA MDA within a group, given a tmnxBsxGrpStatusEgrQDirection and tmnxBsxGrpStatusEgrQIndex.</p> <p>Table description (for tmnxBsxGrpStatusEgrQTable): The tmnxBsxGrpStatusEgrQTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Qos status information for traffic entering an ISA-AA MDA given the tmnxBsxGrpStatusEgrQDirection and tmnxBsxGrpStatusEgrQIndex. An ISA-AA MDA is uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.AaEgrQueue</p>		
droInProfOcts [Dro In Prof Octs] (tmnxBsxGrpStatusEgrQDroInPOcts)	long	The value of tmnxBsxGrpStatusEgrQDroInPOcts indicates the number of in profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droInProfPkts [Dro In Prof Pkts] (tmnxBsxGrpStatusEgrQDroInPPkts)	long	The value of tmnxBsxGrpStatusEgrQDroInPPkts indicates the number of in profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droOutProfOcts [Dro Out Prof Octs] (tmnxBsxGrpStatusEgrQDroOutPOcts)	long	The value of tmnxBsxGrpStatusEgrQDroOutPOcts indicates the number of out of profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droOutProfPkts [Dro Out Prof Pkts] (tmnxBsxGrpStatusEgrQDroOutPPkts)	long	The value of tmnxBsxGrpStatusEgrQDroOutPPkts indicates the number of out of profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInProfOcts [Fwd In Prof Octs] (tmnxBsxGrpStatusEgrQFwdInPOcts)	long	The value of tmnxBsxGrpStatusEgrQFwdInPOcts indicates the number of in profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdInProfPkts [Fwd In Prof Pkts] (tmnxBsxGrpStatusEgrQFwdInPPkts)	long	The value of tmnxBsxGrpStatusEgrQFwdInPPkts indicates the number of in profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdOutProfOcts [Fwd Out Prof Octs] (tmnxBsxGrpStatusEgrQFwdOutPOcts)	long	The value of tmnxBsxGrpStatusEgrQFwdOutPOcts indicates the number of out of profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdOutProfPkts [Fwd Out Prof Pkts] (tmnxBsxGrpStatusEgrQFwdOutPPkts)	long	The value of tmnxBsxGrpStatusEgrQFwdOutPPkts indicates the number of out of profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroInProfOcts [HCDro In Prof Octs] (tmnxBsxGrpStatusEgrQHCDroInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroInPOcts indicates the number of in profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroInProfPkts [HCDro In Prof Pkts] (tmnxBsxGrpStatusEgrQHCDroInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroInPPkts indicates the number of in profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroOutProfOcts [HCDro Out Prof Octs] (tmnxBsxGrpStatusEgrQHCDroOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroOutPOcts indicates the number of out of profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroOutProfPkts [HCDro Out Prof Pkts] (tmnxBsxGrpStatusEgrQHCDroOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroOutPPkts indicates the number of out of profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCFwdInProfOcts [HCFwd In Prof Octs] (tmnxBsxGrpStatusEgrQHCFwdInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdInPOcts indicates the number of in profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdInProfPkts [HCFwd In Prof Pkts] (tmnxBsxGrpStatusEgrQHCFwdInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdInPPkts indicates the number of in profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfOcts [HCFwd Out Prof Octs] (tmnxBsxGrpStatusEgrQHCFwdOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdOutPOcts indicates the number of out of profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfPkts [HCFwd Out Prof Pkts] (tmnxBsxGrpStatusEgrQHCFwdOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdOutPPkts indicates the number of out of profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
<p>AaGroupIngQStats</p> <p>MIB entry name: tmnxBsxGrpStatusIngQEntry</p> <p>Entry description: Each tmnxBsxGrpStatusIngQEntry contains the Qos status information for traffic exiting a particular ISA-AA MDA within a group, given a tmnxBsxGrpStatusInQDirection and tmnxBsxGrpStatusInQIndex.</p> <p>Table description (for tmnxBsxGrpStatusIngQTable): The tmnxBsxGrpStatusIngQTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Qos status information for traffic exiting an ISA-AA MDA given the tmnxBsxGrpStatusInQDirection and tmnxBsxGrpStatusInQIndex. An ISA-AA MDA is uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.AaIngQueue</p>		
drolnProfOcts [Dro In Prof Octs] (tmnxBsxGrpStatusIngQDroInPOcts)	long	The value of tmnxBsxGrpStatusIngQDroInPOcts indicates the number of in profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droInProfPkts [Dro In Prof Pkts] (tmnxBsxGrpStatusIngQDroInPPkts)	long	The value of tmnxBsxGrpStatusIngQDroInPPkts indicates the number of in profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
droOutProfOcts [Dro Out Prof Octs] (tmnxBsxGrpStatusIngQDroOutPOcts)	long	The value of tmnxBsxGrpStatusIngQDroOutPOcts indicates the number of out of profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
droOutProfPkts [Dro Out Prof Pkts] (tmnxBsxGrpStatusIngQDroOutPPkts)	long	The value of tmnxBsxGrpStatusIngQDroOutPPkts indicates the number of out of profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdInProfOcts [Fwd In Prof Octs] (tmnxBsxGrpStatusIngQFwdInPOcts)	long	The value of tmnxBsxGrpStatusIngQFwdInPOcts indicates the number of in profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdInProfPkts [Fwd In Prof Pkts] (tmnxBsxGrpStatusIngQFwdInPPkts)	long	The value of tmnxBsxGrpStatusIngQFwdInPPkts indicates the number of in profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdOutProfOcts [Fwd Out Prof Octs] (tmnxBsxGrpStatusIngQFwdOutPOcts)	long	The value of tmnxBsxGrpStatusIngQFwdOutPOcts indicates the number of out of profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdOutProfPkts [Fwd Out Prof Pkts] (tmnxBsxGrpStatusIngQFwdOutPPkts)	long	The value of tmnxBsxGrpStatusIngQFwdOutPPkts indicates the number of out of profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroInProfOcts [HCDro In Prof Octs] (tmnxBsxGrpStatusIngQHCDroInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroInPOcts indicates the number of in profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCDroInProfPkts [HCDro In Prof Pkts] (tmnxBsxGrpStatusIngQHCDroInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroInPPkts indicates the number of in profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroOutProfOcts [HCDro Out Prof Octs] (tmnxBsxGrpStatusIngQHCDroOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroOutPOcts indicates the number of out of profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroOutProfPkts [HCDro Out Prof Pkts] (tmnxBsxGrpStatusIngQHCDroOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroOutPPkts indicates the number of out of profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdInProfOcts [HCFwd In Prof Octs] (tmnxBsxGrpStatusIngQHCFwdInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdInPOcts indicates the number of in profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdInProfPkts [HCFwd In Prof Pkts] (tmnxBsxGrpStatusIngQHCFwdInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdInPPkts indicates the number of in profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfOcts [HCFwd Out Prof Octs] (tmnxBsxGrpStatusIngQHCFwdOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdOutPOcts indicates the number of out of profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfPkts [HCFwd Out Prof Pkts] (tmnxBsxGrpStatusIngQHCFwdOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdOutPPkts indicates the number of out of profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaSapSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>AaSpokeSdpBindingSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctAdmFmSb.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>AaSubSumStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxMdaStats</p> <p>MIB entry name: tmnxBsxGrpStatusEntry</p> <p>Entry description: Each tmnxBsxGrpStatusEntry contains the performance-oriented status information for a particular group and ISA-AA MDA. An index with a valid tmnxBsxIsaAaGroupIndex, tmnxChassisIndex set to one, and a zero value for each of the tmnxBsxCardSlotNum/tmnxMDASlotNum indices will return the summarized per group status. Rows in this table are created by the agent at initialization and cannot be created or destroyed by SNMP Set requests.</p> <p>Table description (for tmnxBsxGrpStatusTable): The tmnxBsxGrpStatusTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the performance-oriented status information per group for an ISA-AA MDA uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaGroupMember 		
bitRateRsdCount [Bit Rate Rsd Count] (tmnxBsxGrpStatusBitRateRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusBitRateRsdCount indicates the number of times the bit rate TCA (tmnxBsxIsaAaGrpBitRate) was raised since system startup.
bitRateRsdTime [Bit Rate Rsd Time] (tmnxBsxGrpStatusBitRateRsdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusBitRateRsdTime indicates the amount of time the bit rate TCA (tmnxBsxIsaAaGrpBitRate) was in the raised state since system startup.
bitRateState [Bit Rate State] (tmnxBsxGrpStatusBitRateState)	int	The value of tmnxBsxGrpStatusBitRateState indicates the state of the bit rate TCA (tmnxBsxIsaAaGrpBitRate).
datapathCpu [Datapath Cpu] (tmnxBsxGrpStatusDatapathCpu)	float	The value of tmnxBsxGrpStatusDatapathCpu indicates the percent utilization of the datapath CPU on the ISA-AA MDA(s).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
datapathCpuAvg [Datapath Cpu Avg] (tmnxBsxGrpStatusDatapathCpuAvg)	float	The value of tmnxBsxGrpStatusDatapathCpuAvg indicates the average percent utilization of the datapath CPU on the ISA-AA MDA(s) within the last 60 minutes.
datapathCpuPeak [Datapath Cpu Peak] (tmnxBsxGrpStatusDatapathCpuPeak)	float	The value of tmnxBsxGrpStatusDatapathCpuPeak indicates the peak percent utilization of the datapath CPU on the ISA-AA MDA(s) since system startup.
datapathCpuRsdCt [Datapath Cpu Rsd Ct] (tmnxBsxGrpStatusDatapathCpuRsdCt)	java. math. BigInteger	The value of tmnxBsxGrpStatusDatapathCpuRsdCt indicates the number of times the datapath CPU TCA (tmnxBsxDatapathCpuUsage) was raised since system startup.
datapathCpuRsdTm [Datapath Cpu Rsd Tm] (tmnxBsxGrpStatusDatapathCpuRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusDatapathCpuRsdTm indicates the amount of time the datapath CPU TCA (tmnxBsxDatapathCpuUsage) was in the raised state since system startup.
datapathCpuState [Datapath Cpu State] (tmnxBsxGrpStatusDatapathCpuState)	int	The value of tmnxBsxGrpStatusDatapathCpuState indicates the state of the datapath CPU TCA (tmnxBsxDatapathCpuUsage).
flowResAvg [Flow Res Avg] (tmnxBsxGrpStatusFlowResAvg)	long	The value of tmnxBsxGrpStatusFlowResAvg indicates the average number of flow resources in-use on the ISA-AA MDA(s) within the last 60 minutes.
flowResMax [Flow Res Max] (tmnxBsxGrpStatusFlowResMax)	long	The value of tmnxBsxGrpStatusFlowResMax indicates the maximum number of flow resources available on the ISA-AA MDA(s).
flowResPeak [Flow Res Peak] (tmnxBsxGrpStatusFlowResPeak)	long	The value of tmnxBsxGrpStatusFlowResPeak indicates the peak number of flow resources in-use on the ISA-AA MDA(s) since system startup.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowResRaisdTime [Flow Res Raisd Time] (tmnxBsxGrpStatusFlowResRaisdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowResRaisdTime indicates the amount of time the flow resource TCA (tmnxBsxIsaAaGrpFlowFull) was in the raised state since system startup.
flowResRsdCount [Flow Res Rsd Count] (tmnxBsxGrpStatusFlowResRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowResRsdCount indicates the number of times the flow resource TCA (tmnxBsxIsaAaGrpFlowFull) was raised since system startup.
flowResState [Flow Res State] (tmnxBsxGrpStatusFlowResState)	int	The value of tmnxBsxGrpStatusFlowResState indicates the state of the flow resource TCA (tmnxBsxIsaAaGrpFlowFull).
flowResourcesInUse [Flow Resources In Use] (tmnxBsxGrpStatusFlowResInUse)	long	The value of tmnxBsxGrpStatusFlowResInUse indicates the number of flow resources currently in-use on the ISA-AA MDA.
flowSetupRate [Flow Setup Rate] (tmnxBsxGrpStatusFlowSetupRate)	long	The value of tmnxBsxGrpStatusFlowSetupRate indicates the number of flow setups per second over the most recent 10 second period.
flowSetupRsdCnt [Flow Setup Rsd Cnt] (tmnxBsxGrpStatusFlowSetupRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowSetupRsdCnt indicates the number of times the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup) was raised since system startup.
flowSetupRsdTime [Flow Setup Rsd Time] (tmnxBsxGrpStatusFlowSetupRsdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowSetupRsdTime indicates the amount of time the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup) was in the raised state since system startup.
flowSetupState [Flow Setup State] (tmnxBsxGrpStatusFlowSetupState)	int	The value of tmnxBsxGrpStatusFlowSetupState indicates the state of the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flows [Flows] (tmnxBsxGrpStatusFlows)	long	The value of tmnxBsxGrpStatusFlows indicates the total number of flows created on the ISA-AA MDA(s).
flowsCurrent [Flows Current] (tmnxBsxGrpStatusFlowsCurrent)	long	The value of tmnxBsxGrpStatusFlowsCurrent indicates the number of active flows currently being tracked by the ISA-AA MDA(s).
flwResCtThruOcts [Flw Res Ct Thru Octs] (tmnxBsxGrpStatusFlwResCtThruOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlwResCtThruOcts indicates the number of octets that the ISA-AA MDA(s) have cut-through due to flow resource exhaustion.
flwResCtThruPkts [Flw Res Ct Thru Pkts] (tmnxBsxGrpStatusFlwResCtThruPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlwResCtThruPkts indicates the number of packets that the ISA-AA MDA(s) have cut-through due to flow resource exhaustion.
hCFlows [HCFlows] (tmnxBsxGrpStatusHCFlows)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCFlows indicates the number of active flows seen by the ISA-AA MDA(s). Note that if the same 5-tuple is seen for a different flow within the flow timeout, it will still be considered one flow.
hCOctsDiscCongIn [HCOcts Disc Cong In] (tmnxBsxGrpStatusHCOctsDiscCongIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscCongIn indicates the number of bytes discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
hCOctsDiscCongMda [HCOcts Disc Cong Mda] (tmnxBsxGrpStatusHCOctsDisCongMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDisCongMda indicates the number of bytes discarded by the ISA-AA MDA(s) due to congestion.
hCOctsDiscCongOut [HCOcts Disc Cong Out] (tmnxBsxGrpStatusHCOctsDisCongOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDisCongOut indicates the number of bytes discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCOctsDiscErrors [HCOcts Disc Errors] (tmnxBsxGrpStatusHCOctsDiscErrors)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscErrors indicates the number of bytes discarded due to unrecoverable errors.
hCOctsDiscPolicy [HCOcts Disc Policy] (tmnxBsxGrpStatusHCOctsDiscPolicy)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscPolicy indicates the number of bytes discarded by the ISA-AA MDA(s) due to policy policers or discard actions.
hCOctsFromMda [HCOcts From Mda] (tmnxBsxGrpStatusHCOctsFromMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsFromMda indicates the number of bytes which exit the ISA-AA MDA(s) and are sent to the local IOM.
hCOctsIn [HCOcts In] (tmnxBsxGrpStatusHCOctsIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsIn indicates the number of bytes diverted from ingress IOMs towards the ISA-AA MDA(s).
hCOctsInMda [HCOcts In Mda] (tmnxBsxGrpStatusHCOctsInMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsInMda indicates the number of bytes buffered by the ISA-AA MDA(s).
hCOctsInspected [HCOcts Inspected] (tmnxBsxGrpStatusHCOctsInspected)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsInspected indicates the number of bytes sent for protocol determination by the ISA-AA MDA(s).
hCOctsOut [HCOcts Out] (tmnxBsxGrpStatusHCOctsOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsOut indicates the number of bytes returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
hCOctsPolicyByPass [HCOcts Policy By Pass] (tmnxBsxGrpStatusHCOctsPolicyByPass)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsPolicyByPass indicates the number of bytes which passed untouched that did not have statistics or policy applied. These bytes are counted as policy bypass errors.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCOctsToMda [HCOcts To Mda] (tmnxBsxGrpStatusHCOctsToMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsToMda indicates the number of bytes sent from an IOM which enter the ISA-AA MDA(s).
hCPktsDiscCongIn [HCPkts Disc Cong In] (tmnxBsxGrpStatusHCPktsDiscCongIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscCongIn indicates the number of packets discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
hCPktsDiscCongMda [HCPkts Disc Cong Mda] (tmnxBsxGrpStatusHCPktsDisCongMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDisCongMda indicates the number of packets discarded by the ISA-AA MDA(s) due to congestion.
hCPktsDiscCongOut [HCPkts Disc Cong Out] (tmnxBsxGrpStatusHCPktsDisCongOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDisCongOut indicates the number of packets discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
hCPktsDiscErrors [HCPkts Disc Errors] (tmnxBsxGrpStatusHCPktsDiscErrors)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscErrors indicates the number of packets discarded due to unrecoverable errors.
hCPktsDiscPolicy [HCPkts Disc Policy] (tmnxBsxGrpStatusHCPktsDiscPolicy)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscPolicy indicates the number of packets discarded by the ISA-AA MDA(s) due to policy policers or discard actions.
hCPktsFromMda [HCPkts From Mda] (tmnxBsxGrpStatusHCPktsFromMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsFromMda indicates the number of packets which exit the ISA-AA MDA(s) and are sent to the local IOM.
hCPktsIn [HCPkts In] (tmnxBsxGrpStatusHCPktsIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsIn indicates the number of packets diverted from ingress IOMs towards the ISA-AA MDA(s).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCPktsInMda [HCPkts In Mda] (tmnxBsxGrpStatusHCPktsInMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInMda indicates the number of packets buffered by the ISA-AA MDA(s).
hCPktsInPchipErrors [HCPkts In Pchip Errors] (tmnxBsxGrpStatusHCPktsInPChipErs)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInPChipErs indicates the number of packets discarded by the egress P-chip due to errors in the packets.
hCPktsInspected [HCPkts Inspected] (tmnxBsxGrpStatusHCPktsInspected)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInspected indicates the number of packets sent for protocol determination by the ISA-AA MDA(s).
hCPktsOut [HCPkts Out] (tmnxBsxGrpStatusHCPktsOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsOut indicates the number of packets returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
hCPktsOutPchipErrors [HCPkts Out Pchip Errors] (tmnxBsxGrpStatusHCPktsOutPChipEr)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsOutPChipEr indicates the number of packets discarded by the ingress P-chip due to errors in the packets which return to the normal forwarding path.
hCPktsPolicyByPass [HCPkts Policy By Pass] (tmnxBsxGrpStatusHCPktsPolicyByps)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsPolicyByps indicates the number of packets which passed untouched that did not have statistics or policy applied. These packets are counted as policy bypass errors.
hCPktsToMda [HCPkts To Mda] (tmnxBsxGrpStatusHCPktsToMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsToMda indicates the number of packets sent from an IOM which enter the ISA-AA MDA(s).
mgmtCpu [Mgmt Cpu] (tmnxBsxGrpStatusMgmtCpu)	float	The value of tmnxBsxGrpStatusMgmtCpu indicates the percent utilization of the management CPU on the ISA-AA MDA(s).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mgmtCpuAvg [Mgmt Cpu Avg] (tmnxBsxGrpStatusMgmtCpuAvg)	float	The value of tmnxBsxGrpStatusMgmtCpuAvg indicates the average percent utilization of the management CPU on the ISA-AA MDA(s) within the last 60 minutes.
mgmtCpuPeak [Mgmt Cpu Peak] (tmnxBsxGrpStatusMgmtCpuPeak)	float	The value of tmnxBsxGrpStatusMgmtCpuPeak indicates the peak percent utilization of the management CPU on the ISA-AA MDA(s) since system startup.
octsDiscCongIn [Octs Disc Cong In] (tmnxBsxGrpStatusOctsDiscCongIn)	long	The value of tmnxBsxGrpStatusOctsDiscCongIn indicates the number of bytes discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
octsDiscCongMda [Octs Disc Cong Mda] (tmnxBsxGrpStatusOctsDisCongMda)	long	The value of tmnxBsxGrpStatusOctsDisCongMda indicates the number of bytes discarded by the ISA-AA MDA(s) due to congestion.
octsDiscCongOut [Octs Disc Cong Out] (tmnxBsxGrpStatusOctsDisCongOut)	long	The value of tmnxBsxGrpStatusOctsDisCongOut indicates the number of bytes discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
octsDiscErrors [Octs Disc Errors] (tmnxBsxGrpStatusOctsDiscErrors)	long	The value of tmnxBsxGrpStatusOctsDiscErrors indicates the number of bytes discarded due to unrecoverable errors.
octsDiscPolicy [Octs Disc Policy] (tmnxBsxGrpStatusOctsDiscPolicy)	long	The value of tmnxBsxGrpStatusOctsDiscPolicy indicates the number of bytes discarded by the ISA-AA MDA(s) due to policy.
octsFromMda [Octs From Mda] (tmnxBsxGrpStatusOctsFromMda)	long	The value of tmnxBsxGrpStatusOctsFromMda indicates the number of bytes which exit the ISA-AA MDA(s) and are sent to the local IOM.
octsIn [Octs In] (tmnxBsxGrpStatusOctsIn)	long	The value of tmnxBsxGrpStatusOctsIn indicates the number of bytes diverted from ingress IOMs towards the ISA-AA MDA(s).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsInMda [Octs In Mda] (tmnxBsxGrpStatusOctsInMda)	long	The value of tmnxBsxGrpStatusOctsInMda indicates the number of bytes buffered by the ISA-AA MDA(s).
octsInspected [Octs Inspected] (tmnxBsxGrpStatusOctsInspected)	long	The value of tmnxBsxGrpStatusOctsInspected indicates the number of bytes sent for protocol determination by the ISA-AA MDA(s).
octsOut [Octs Out] (tmnxBsxGrpStatusOctsOut)	long	The value of tmnxBsxGrpStatusOctsOut indicates the number of bytes returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
octsPolicyByPass [Octs Policy By Pass] (tmnxBsxGrpStatusOctsPolicyByps)	long	The value of tmnxBsxGrpStatusOctsPolicyByps indicates the number of bytes which pass untouched that did not have statistics or policy applied. These bytes are counted as policy bypass errors.
octsToMda [Octs To Mda] (tmnxBsxGrpStatusOctsToMda)	long	The value of tmnxBsxGrpStatusOctsToMda indicates the number of bytes sent from an IOM which enter the ISA-AA MDA(s).
ovrldCtThruOcts [Ovrld Ct Thru Octs] (tmnxBsxGrpStatusOvrldCtThruOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruOcts indicates the number of octets that the ISA-AA MDA has cut-through due to the overload cut-through configuration as indicated by the object tmnxBsxIsaAaGrpOverloadCutThru.
ovrldCtThruPkts [Ovrld Ct Thru Pkts] (tmnxBsxGrpStatusOvrldCtThruPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruPkts indicates the number of octets that the ISA-AA MDA has cut-through due to the overload cut-through configuration as indicated by the object tmnxBsxIsaAaGrpOverloadCutThru.
ovrldCtThruRsdCt [Ovrld Ct Thru Rsd Ct] (tmnxBsxGrpStatusOvrldCtThruRsdCt)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruRsdCt indicates the number of times the overload cut-through TCA (tmnxBsxIsaAaGrpOvrldCutthru) was raised since system startup.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ovrldCtThruRsdTm [OvrlD Ct Thru Rsd Tm] (tmnxBsxGrpStatusOvrlDcTThruRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrlDcTThruRsdTm indicates the amount of time the overload cut-through TCA (tmnxBsxIsaAaGrpOvrlDcutthru) was in the raised state since system startup.
ovrldCtThruState [OvrlD Ct Thru State] (tmnxBsxGrpStatusOvrlDcTThruState)	int	The value of tmnxBsxGrpStatusOvrlDcTThruState indicates the state of the overload cut-through TCA (tmnxBsxIsaAaGrpOvrlDcutthru).
packetRate [Packet Rate] (tmnxBsxGrpStatusPacketRate)	long	The value of tmnxBsxGrpStatusPacketRate indicates the current number of packets per second incoming to the ISA-AA MDA(s).
pktRateRaisdTime [Pkt Rate Raisd Time] (tmnxBsxGrpStatusPktRateRaisdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktRateRaisdTime indicates the amount of time the packet rate TCA (tmnxBsxIsaAaGrpPacketRate) was in the raised state since system startup.
pktRateRsdCount [Pkt Rate Rsd Count] (tmnxBsxGrpStatusPktRateRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktRateRsdCount indicates the number of times the packet rate TCA (tmnxBsxIsaAaGrpPacketRate) was raised since system startup.
pktRateState [Pkt Rate State] (tmnxBsxGrpStatusPktRateState)	int	The value of tmnxBsxGrpStatusPktRateState indicates the state of the packet rate TCA (tmnxBsxIsaAaGrpPacketRate).
pktsDiscCongIn [Pkts Disc Cong In] (tmnxBsxGrpStatusPktsDiscCongIn)	long	The value of tmnxBsxGrpStatusPktsDiscCongIn indicates the number of packets discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
pktsDiscCongMda [Pkts Disc Cong Mda] (tmnxBsxGrpStatusPktsDisCongMda)	long	The value of tmnxBsxGrpStatusPktsDisCongMda indicates the number of packets discarded by the ISA-AA MDA(s) due to congestion.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDiscCongOut [Pkts Disc Cong Out] (tmnxBsxGrpStatusPktsDiscCongOut)	long	The value of tmnxBsxGrpStatusPktsDiscCongOut indicates the number of packets discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
pktsDiscErrors [Pkts Disc Errors] (tmnxBsxGrpStatusPktsDiscErrors)	long	The value of tmnxBsxGrpStatusPktsDiscErrors indicates the number of packets discarded due to unrecoverable errors.
pktsDiscPolicy [Pkts Disc Policy] (tmnxBsxGrpStatusPktsDiscPolicy)	long	The value of tmnxBsxGrpStatusPktsDiscPolicy indicates the number of packets discarded by the ISA-AA MDA(s) due to policy.
pktsFromMda [Pkts From Mda] (tmnxBsxGrpStatusPktsFromMda)	long	The value of tmnxBsxGrpStatusPktsFromMda indicates the number of packets which exit the ISA-AA MDA(s) and are sent to the local IOM.
pktsIn [Pkts In] (tmnxBsxGrpStatusPktsIn)	long	The value of tmnxBsxGrpStatusPktsIn indicates the number of packets diverted from ingress IOMs towards the ISA-AA MDA(s).
pktsInMda [Pkts In Mda] (tmnxBsxGrpStatusPktsInMda)	long	The value of tmnxBsxGrpStatusPktsInMda indicates the number of packets buffered by the ISA-AA MDA(s).
pktsInPChipErrors [Pkts In PChip Errors] (tmnxBsxGrpStatusPktsInPChipErs)	long	The value of tmnxBsxGrpStatusPktsInPChipErs indicates the number of packets discarded by the egress P-chip due to errors in the packets.
pktsInspected [Pkts Inspected] (tmnxBsxGrpStatusPktsInspected)	long	The value of tmnxBsxGrpStatusPktsInspected indicates the number of packets sent for protocol determination by the ISA-AA MDA(s).
pktsOut [Pkts Out] (tmnxBsxGrpStatusPktsOut)	long	The value of tmnxBsxGrpStatusPktsOut indicates the number of packets returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsOutPChipErrors [Pkts Out PChip Errors] (tmnxBsxGrpStatusPktsOutPChipEr)	long	The value of tmnxBsxGrpStatusPktsOutPChipEr indicates the number of packets discarded due to an error detected by the P-chip while attempting to return the packet to the normal forwarding path.
pktsPolicyByPass [Pkts Policy By Pass] (tmnxBsxGrpStatusPktsPolicyByps)	long	The value of tmnxBsxGrpStatusPktsPolicyByps indicates the number of packets which passed untouched that did not have statistics or policy applied. These packets are counted as policy bypass errors.
pktsToMda [Pkts To Mda] (tmnxBsxGrpStatusPktsToMda)	long	The value of tmnxBsxGrpStatusPktsToMda indicates the number of packets sent from an IOM which enter the ISA-AA MDA(s).
subsCurrent [Subs Current] (tmnxBsxGrpStatusSubsCurrent)	long	The value of tmnxBsxGrpStatusSubsCurrent indicates the number of subscribers currently with flow records in the ISA-AA MDA(s).
subsDiverted [Subs Diverted] (tmnxBsxGrpStatusSubsDiverted)	long	The value of tmnxBsxGrpStatusSubsDiverted indicates the number of subscribers defined in TIMETRA-SUBSCRIBER-MGMT-MIB::tmnxSubInfoAppProfile in the tmnxSubscriberInfoTable with tmnxBsxAppProfDivert set to 'true'.
trafficRate [Traffic Rate] (tmnxBsxGrpStatusTrafficRate)	long	The value of tmnxBsxGrpStatusTrafficRate indicates the traffic rate in kilo-bits per second (kbps) incoming to the ISA-AA MDA(s).
waSBfFmSub [Wa SBf Fm Sub] (tmnxBsxGrpStatusWaSBfFmSub)	float	The value of tmnxBsxGrpStatusWaSBfFmSub indicates the percent utilization of the subscriber to network weighted average shared buffer on the ISA-AA MDA(s).
waSBfFmSubRsdCnt [Wa SBf Fm Sub Rsd Cnt] (tmnxBsxGrpStatusWaSBfFmSubRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfFmSubRsdCnt indicates the number of times the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmS-bWaSBufOvld) was raised since system startup.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
waSBfFmSubRsdTm [Wa SBf Fm Sub Rsd Tm] (tmnxBsxGrpStatusWaSBfFmSubRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfFmSubRsdTm indicates the amount of time the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld) was in the raised state since system startup.
waSBfFmSubState [Wa SBf Fm Sub State] (tmnxBsxGrpStatusWaSBfFmSubState)	int	The value of tmnxBsxGrpStatusWaSBfFmSubState indicates the state of the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld).
waSBfToSub [Wa SBf To Sub] (tmnxBsxGrpStatusWaSBfToSub)	float	The value of tmnxBsxGrpStatusWaSBfToSub indicates the percent utilization of the network to subscriber weighted average shared buffer on the ISA-AA MDA(s).
waSBfToSubRsdCnt [Wa SBf To Sub Rsd Cnt] (tmnxBsxGrpStatusWaSBfToSubRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfToSubRsdCnt indicates the number of times the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld) was raised since system startup.
waSBfToSubRsdTm [Wa SBf To Sub Rsd Tm] (tmnxBsxGrpStatusWaSBfToSubRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfToSubRsdTm indicates the amount of time the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld) was in the raised state since system startup.
waSBfToSubState [Wa SBf To Sub State] (tmnxBsxGrpStatusWaSBfToSubState)	int	The value of tmnxBsxGrpStatusWaSBfToSubState indicates the state of the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld).

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaLnsGroupMemberStats</p> <p>MIB entry name: tmnxL2tplsaMdaStatisticsEntry</p> <p>Entry description: Each conceptual row contains statistics information about a Media Dependent Adapter (MDA) of an L2TP ISA Group. Entries in this table are created and removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tplsaMdaStatisticsTable): The tmnxL2tplsaMdaStatisticsTable contains statistics information about the Media Dependent Adapters (MDA) of an L2TP ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.LnsGroupMember</p>		
InsL2tpMlpppSequenceNumberReset [Lns L2 tp Mlppp Sequence Number Reset] (tmnxL2tplsaMdaStatsValue)	java. math. BigInteger	The value of the object tmnxL2tplsaMdaStatsValue indicates the value of the statistics contained in this conceptual row.
<p>LnsGroupMemberStats</p> <p>MIB entry name: tmnxL2tplsaMdaStatEntry</p> <p>Entry description: Each conceptual row contains status and statistics information about a Media Dependent Adapter (MDA) of an L2TP ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxL2tplsaMdaStatTable): The tmnxL2tplsaMdaStatTable contains status and statistics information about the Media Dependent Adapters (MDA) of an L2TP ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.LnsGroupMember</p>		
operState [Oper State] (tmnxL2tplsaMdaStatOperState)	int	The value of tmnxL2tplsaMdaStatOperState indicates the operational state of this L2TP ISA MDA.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessions [Sessions] (tmnxL2tplsaMdaStatSessions)	long	The value of tmnxL2tplsaMdaStatSessions indicates the actual number of PPP sessions on this L2TP ISA MDA.
<p>VideoGroupMemberStats MIB entry name: tmnxVdoGrpMDAEntry Entry description: Each row entry represents an MDA configured for a Video ISA Group in the system. Entries are created and deleted by the user. Table description (for tmnxVdoGrpMDATable): The tmnxVdoGrpMDATable has an entry for each MDA configured for the Video ISP Group in the system. A specific MDA is configured for only a tmnxVdoGrpId. Supports realtime plotting Supports scheduled collection Monitored class: isa.VideoGroupMember</p>		
vdoGrpMdaActiveRtcpSessions [Vdo Grp Mda Active Rtcp Sessions] (tmnxVdoGrpMdaActiveRtcpSessions)	long	The value of tmnxVdoGrpMdaActiveRtcpSessions indicates the number of active Real Time Transport Control Protocol (RTCP) sessions on this MDA.
vdoGrpMdaAdStreamAborts [Vdo Grp Mda Ad Stream Aborts] (tmnxVdoGrpMdaAdStreamAborts)	long	The value of tmnxVdoGrpMdaAdStreamAborts indicates the number of ad stream aborts on this MDA. An ad stream abort could happen when an egress reset happens.
vdoGrpMdaAdStreamResets [Vdo Grp Mda Ad Stream Resets] (tmnxVdoGrpMdaAdStreamResets)	long	The value of tmnxVdoGrpMdaAdStreamResets indicates the number of ad stream resets on this MDA. An ad stream reset occurs when the ingress ad stream stops.
vdoGrpMdaAvailableMemory [Vdo Grp Mda Available Memory] (tmnxVdoGrpMdaAvailableMemory)	long	The value of tmnxVdoGrpMdaAvailableMemory indicates the amount of cache available on the MDA for storing the video stream.
vdoGrpMdaBwInUse [Vdo Grp Mda Bw In Use] (tmnxVdoGrpMdaBwInUse)	long	The value of tmnxVdoGrpMdaBwInUse indicates the total aggregate bandwidth of the currently running egress streams.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaChannelAllocFails [Vdo Grp Mda Channel Alloc Fails] (tmnxVdoGrpMdaChannelAllocFails)	long	The value of tmnxVdoGrpMdaChannelAllocFails indicates the number of failed channel allocations on this MDA.
vdoGrpMdaChannels [Vdo Grp Mda Channels] (tmnxVdoGrpMdaChannels)	long	The value of tmnxVdoGrpMdaChannels indicates the number of channels being served on this MDA.
vdoGrpMdaEgressStreamResets [Vdo Grp Mda Egress Stream Resets] (tmnxVdoGrpMdaEgressStreamResets)	long	The value of tmnxVdoGrpMdaEgressStreamResets indicates the number of egress stream resets on this MDA. An egress stream reset occurs when there are no packets to transmit on the MDA.
vdoGrpMdaHighPktPoolLimitHit [Vdo Grp Mda High Pkt Pool Limit Hit] (tmnxVdoGrpMdaHighPktPoolLimitHit)	long	The value of tmnxVdoGrpMdaHighPktPoolLimitHit indicates the number of times the high packet pool limit has been hit. A high value of this object indicates potential failure in ingress packet storage.
vdoGrpMdaIngressStreamResets [Vdo Grp Mda Ingress Stream Resets] (tmnxVdoGrpMdaIngressStreamResets)	long	The value of tmnxVdoGrpMdaIngressStreamResets indicates the number of ingress stream resets on this MDA. An ingress stream reset occurs when the ingress stream stopped coming in for more than one second.
vdoGrpMdaMaxBwExceeded [Vdo Grp Mda Max Bw Exceeded] (tmnxVdoGrpMdaMaxBwExceeded)	long	The value of tmnxVdoGrpMdaMaxBwExceeded indicates the number of times maximum allowed bandwidth has been exceeded for each egress stream.
vdoGrpMdaRequestedRtpPkts [Vdo Grp Mda Requested Rtp Pkts] (tmnxVdoGrpMdaRequestedRtpPkts)	long	The value of tmnxVdoGrpMdaRequestedRtpPkts indicates the number of Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this MDA.
vdoGrpMdaRtcpConfigErrors [Vdo Grp Mda Rtcp Config Errors] (tmnxVdoGrpMdaRtcpConfigErrors)	long	The value of tmnxVdoGrpMdaRtcpConfigErrors indicates the number of Real-time Transport Control Protocol (RTCP) config errors on this MDA. These errors occur when there is inconsistency between the RTCP values and the configured values.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaRtcpIntErrors [Vdo Grp Mda Rtcp Int Errors] (tmnxVdoGrpMdaRtcpIntErrors)	long	The value of tmnxVdoGrpMdaRtcpIntErrors indicates the number of Real-time Transport Control Protocol (RTCP) interface related errors on this MDA.
vdoGrpMdaRtcpIpcErrors [Vdo Grp Mda Rtcp Ipc Errors] (tmnxVdoGrpMdaRtcpIpcErrors)	long	The value of tmnxVdoGrpMdaRtcpIpcErrors indicates the number of Real-time Transport Control Protocol (RTCP) inter-process communication message processing errors on this MDA.
vdoGrpMdaRtcpParseErrors [Vdo Grp Mda Rtcp Parse Errors] (tmnxVdoGrpMdaRtcpParseErrors)	long	The value of tmnxVdoGrpMdaRtcpParseErrors indicates the number of Real-time Transport Control Protocol (RTCP) packet parsing errors on this MDA.
vdoGrpMdaRtcpSgErrors [Vdo Grp Mda Rtcp Sg Errors] (tmnxVdoGrpMdaRtcpSgErrors)	long	The value of tmnxVdoGrpMdaRtcpSgErrors indicates the number of Real-time Transport Control Protocol (RTCP) channel errors on this MDA. These errors occur when a channel is not found for a given interface to process RTCP packets.
vdoGrpMdaRtcpSubErrors [Vdo Grp Mda Rtcp Sub Errors] (tmnxVdoGrpMdaRtcpSubErrors)	long	The value of tmnxVdoGrpMdaRtcpSubErrors indicates the number of Real-time Transport Control Protocol (RTCP) subscriber parameter errors on this MDA. These errors occur when the subscriber calculations exceed the maximum allowed bandwidth.
vdoGrpMdaRxDataOctets [Vdo Grp Mda Rx Data Octets] (tmnxVdoGrpMdaRxDataOctets)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataOctets indicates the number of data octets received on this MDA.
vdoGrpMdaRxDataOctetsHigh32 [Vdo Grp Mda Rx Data Octets High 32] (tmnxVdoGrpMdaRxDataOctetsHigh32)	long	The value of tmnxVdoGrpMdaRxDataOctetsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataOctets.
vdoGrpMdaRxDataOctetsLow32 [Vdo Grp Mda Rx Data Octets Low 32] (tmnxVdoGrpMdaRxDataOctetsLow32)	long	The value of tmnxVdoGrpMdaRxDataOctetsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataOctets.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaRxDataPacketErrors [Vdo Grp Mda Rx Data Packet Errors] (tmnxVdoGrpMdaRxDataPacketErrors)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataPacketErrors indicates the number of malformed or non-RTP (Real Time Transport Protocol) packets received on this MDA.
vdoGrpMdaRxDataPackets [Vdo Grp Mda Rx Data Packets] (tmnxVdoGrpMdaRxDataPackets)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataPackets indicates the number of data packets received on this MDA.
vdoGrpMdaRxDataPacketsHigh32 [Vdo Grp Mda Rx Data Packets High 32] (tmnxVdoGrpMdaRxDataPacketsHigh32)	long	The value of tmnxVdoGrpMdaRxDataPacketsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataPackets.
vdoGrpMdaRxDataPacketsLow32 [Vdo Grp Mda Rx Data Packets Low 32] (tmnxVdoGrpMdaRxDataPacketsLow32)	long	The value of tmnxVdoGrpMdaRxDataPacketsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataPackets.
vdoGrpMdaRxDataPktErrsHigh32 [Vdo Grp Mda Rx Data Pkt Errs High 32] (tmnxVdoGrpMdaRxDataPktErrsHigh32)	long	The value of tmnxVdoGrpMdaRxDataPktErrsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataPacketErrors.
vdoGrpMdaRxDataPktErrsLow32 [Vdo Grp Mda Rx Data Pkt Errs Low 32] (tmnxVdoGrpMdaRxDataPktErrsLow32)	long	The value of tmnxVdoGrpMdaRxDataPktErrsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataPacketErrors.
vdoGrpMdaSsrcCollisions [Vdo Grp Mda Ssrc Collisions] (tmnxVdoGrpMdaSsrcCollisions)	long	The value of tmnxVdoGrpMdaSsrcCollisions indicates the number of synchronization source (SSRC) id collisions on this MDA.
vdoGrpMdaTxDataOctets [Vdo Grp Mda Tx Data Octets] (tmnxVdoGrpMdaTxDataOctets)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataOctets indicates the number of data octets transmitted on this MDA.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaTxDataOctetsHigh32 [Vdo Grp Mda Tx Data Octets High 32] (tmnxVdoGrpMdaTxDataOctetsHigh32)	long	The value of tmnxVdoGrpMdaTxDataOctetsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataOctets.
vdoGrpMdaTxDataOctetsLow32 [Vdo Grp Mda Tx Data Octets Low 32] (tmnxVdoGrpMdaTxDataOctetsLow32)	long	The value of tmnxVdoGrpMdaTxDataOctetsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataOctets.
vdoGrpMdaTxDataPacketErrors [Vdo Grp Mda Tx Data Packet Errors] (tmnxVdoGrpMdaTxDataPacketErrors)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataPacketErrors indicates the number of failed data packets due to lack of resources to be transmitted on this MDA.
vdoGrpMdaTxDataPackets [Vdo Grp Mda Tx Data Packets] (tmnxVdoGrpMdaTxDataPackets)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataPackets indicates the number of data packets transmitted on this MDA.
vdoGrpMdaTxDataPacketsHigh32 [Vdo Grp Mda Tx Data Packets High 32] (tmnxVdoGrpMdaTxDataPacketsHigh32)	long	The value of tmnxVdoGrpMdaTxDataPacketsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataPackets.
vdoGrpMdaTxDataPacketsLow32 [Vdo Grp Mda Tx Data Packets Low 32] (tmnxVdoGrpMdaTxDataPacketsLow32)	long	The value of tmnxVdoGrpMdaTxDataPacketsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataPackets.
vdoGrpMdaTxDataPktErrsHigh32 [Vdo Grp Mda Tx Data Pkt Errs High 32] (tmnxVdoGrpMdaTxDataPktErrsHigh32)	long	The value of tmnxVdoGrpMdaTxDataPktErrsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataPacketErrors.
vdoGrpMdaTxDataPktErrsLow32 [Vdo Grp Mda Tx Data Pkt Errs Low 32] (tmnxVdoGrpMdaTxDataPktErrsLow32)	long	The value of tmnxVdoGrpMdaTxDataPktErrsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataPacketErrors.

Table 260 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaTxLostPackets [Vdo Grp Mda Tx Lost Packets] (tmnxVdoGrpMdaTxLostPackets)	long	The value of tmnxVdoGrpMdaTxLostPackets indicates the number of packets not found in the video MDA buffer for retransmission. When a retransmission request arrives, packets are checked in the buffer and if they are not found, the value of this object is incremented.
vdoGrpMdaUsedMemory [Vdo Grp Mda Used Memory] (tmnxVdoGrpMdaUsedMemory)	long	The value of tmnxVdoGrpMdaUsedMemory indicates the amount of cache being used by the video group for storing the video stream.

Table 261 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisisStatsTable): The tmnxIisisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisisTable and tmnxIisisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisisStatsCSNPDrop)	long	The value of the object tmnxIisisStatsCSNPDrop indicates the number of Complete Sequence Number PDUs dropped by this instance.
csnpReceived [Csnp Received] (tmnxIisisStatsCSNPRecd)	long	The value of the object tmnxIisisStatsCSNPRecd indicates the number of Complete Sequence Number PDUs received by this instance.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisisStatsCSNPRetrans)	long	The value of the object tmnxIisisStatsCSNPRetrans indicates the number of Complete Sequence Number PDUs that had to be retransmitted by this instance.
csnpSent [Csnp Sent] (tmnxIisisStatsCSNPSent)	long	The value of the object tmnxIisisStatsCSNPSent indicates the number of Complete Sequence Number PDUs sent out by this instance.
helloDropped [Hello Dropped] (tmnxIisisStatsIIHDrop)	long	The value of the object tmnxIisisStatsIIHDrop indicates the number of IS-IS Hello packets dropped by this instance.

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the number of IS-IS Hello packets received by this instance.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the number of IS-IS Hello packets that had to be retransmitted by this instance.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the number of IS-IS Hello packets sent out by this instance.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the number of link state PDUs dropped by this instance.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the number of link state PDUs received by this instance.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the number of link state PDUs that had to be retransmitted by this instance.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the number of link state PDUs sent out by this instance.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the number of Partial Sequence Number PDUs dropped by this instance.
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPRecd)	long	The value of the object tmnxIsisStatsPSNPRecd indicates the number of Partial Sequence Number PDUs received by this instance.

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the number of Partial Sequence Number PDUs that had to be retransmitted by this instance.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the number of Partial Sequence Number PDUs sent out by this instance.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the number of unknown packets dropped by this instance.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the number of unknown packets received by this instance.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the number of unknown packets that had to be retransmitted by this instance.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the number of unknown packets sent out by this instance.
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsNotFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.

Table 261 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lfaRuns [Lfa Runs] (tmnxIisisStatsLfaRuns)	long	The value of the object tmnxIisisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIisisStatsLSPRegenerations)	long	The value of the object tmnxIisisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIisisStatsSpfRuns)	long	The value of the object tmnxIisisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 262 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tlsMFibStatsEntry</p> <p>Entry description: An entry in the tlsMFibStatsTable.</p> <p>Table description (for tlsMFibStatsTable): tlsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this Tls. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tlsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tlsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tlsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tlsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tlsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tlsMFibInfoTable.

Table 263 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp</p>		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object indicates the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inMultipleSpanningTreeBpdus [In Multiple Spanning Tree Bpdus] (sapTlsStpInMstBpdus)	long	The value of the object sapTlsStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.
outMultipleSpanningTreeBpdus [Out Multiple Spanning Tree Bpdus] (sapTlsStpOutMstBpdus)	long	The value of the object sapTlsStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this SAP.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object indicates the number of Topology Change Notification BPDUs sent out this SAP.
<p>CircuitMrpInfoStats</p> <p>MIB entry name: sdpBindTlsMrpEntry</p> <p>Entry description: Each row entry contains objects that allows the modification of the Multiple Registration Protocol feature for a specific SDP-Binding in a TLS service.</p> <p>Table description (for sdpBindTlsMrpTable): The sdpBindTlsMrpTable allows the operator to modify attributes of the Multiple Registration Protocol (MRP) feature for the TLS SDP Bind. This table contains an entry for each TLS SDP Bind created by the user using either sdpBindTlsTable or sdpBindMeshTlsTable. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.CircuitMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sdpBindTlsMrpDroppedPdus)	long	The value of sdpBindTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SDP Bind.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxEmptyEvent [Mrp Rx Empty Event] (sdpBindTIsMrpRxEmptyEvent)	long	The value of sdpBindTIsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SDP Bind.
mrpRxInEvent [Mrp Rx In Event] (sdpBindTIsMrpRxInEvent)	long	The value of sdpBindTIsMrpRxInEvent indicates the number of 'In' MRP events received on this SDP Bind.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sdpBindTIsMrpRxJoinEmptyEvent)	long	The value of sdpBindTIsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SDP Bind.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sdpBindTIsMrpRxJoinInEvent)	long	The value of sdpBindTIsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SDP Bind.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sdpBindTIsMrpRxLeaveEvent)	long	The value of sdpBindTIsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SDP Bind.
mrpRxNewEvent [Mrp Rx New Event] (sdpBindTIsMrpRxNewEvent)	long	The value of sdpBindTIsMrpRxNewEvent indicates the number of 'New' MRP events received on this SDP Bind.
mrpRxPdus [Mrp Rx Pdus] (sdpBindTIsMrpRxPdus)	long	The value of sdpBindTIsMrpRxPdus indicates the number of MRP packets received on this SDP Bind.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sdpBindTIsMrpTxEmptyEvent)	long	The value of sdpBindTIsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SDP Bind.
mrpTxInEvent [Mrp Tx In Event] (sdpBindTIsMrpTxInEvent)	long	The value of sdpBindTIsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SDP Bind.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sdpBindTlsMrpTxJoinEmptyEvent)	long	The value of sdpBindTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SDP Bind.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sdpBindTlsMrpTxJoinInEvent)	long	The value of sdpBindTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SDP Bind.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sdpBindTlsMrpTxLeaveEvent)	long	The value of sdpBindTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SDP Bind.
mrpTxNewEvent [Mrp Tx New Event] (sdpBindTlsMrpTxNewEvent)	long	The value of sdpBindTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SDP Bind.
mrpTxPdus [Mrp Tx Pdus] (sdpBindTlsMrpTxPdus)	long	The value of sdpBindTlsMrpTxPdus indicates the number of MRP packets transmitted on this SDP Bind.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMrpInfoStats MIB entry name: sapTlsMrpEntry Entry description: MRP specific information about a SAP in a TLS. Table description (for sapTlsMrpTable): The sapTlsMrpTable augments sapTlsInfoTable with attributes of the Multiple Registration Protocol (MRP) feature for the TLS SAP. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.L2AccessInterfaceMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sapTlsMrpDroppedPdus)	long	The value of sapTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SAP.
mrpRxEmptyEvent [Mrp Rx Empty Event] (sapTlsMrpRxEmptyEvent)	long	The value of sapTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SAP.
mrpRxInEvent [Mrp Rx In Event] (sapTlsMrpRxInEvent)	long	The value of sapTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SAP.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sapTlsMrpRxJoinEmptyEvent)	long	The value of sapTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SAP.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sapTlsMrpRxJoinInEvent)	long	The value of sapTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SAP.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sapTlsMrpRxLeaveEvent)	long	The value of sapTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SAP.

Table 263 l2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxNewEvent [Mrp Rx New Event] (sapTlsMrpRxNewEvent)	long	The value of sapTlsMrpRxNewEvent indicates the number of 'New' MRP events received on this SAP.
mrpRxDpus [Mrp Rx Pdus] (sapTlsMrpRxDpus)	long	The value of sapTlsMrpRxDpus indicates the number of MRP packets received on this SAP.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sapTlsMrpTxEmptyEvent)	long	The value of sapTlsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SAP.
mrpTxInEvent [Mrp Tx In Event] (sapTlsMrpTxInEvent)	long	The value of sapTlsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SAP.
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sapTlsMrpTxJoinEmptyEvent)	long	The value of sapTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SAP.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sapTlsMrpTxJoinInEvent)	long	The value of sapTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SAP.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sapTlsMrpTxLeaveEvent)	long	The value of sapTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SAP.
mrpTxNewEvent [Mrp Tx New Event] (sapTlsMrpTxNewEvent)	long	The value of sapTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SAP.
mrpTxPdus [Mrp Tx Pdus] (sapTlsMrpTxPdus)	long	The value of sapTlsMrpTxPdus indicates the number of MRP packets transmitted on this SAP.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object indicates the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object indicates the number of bad BPDUs received on this PIP uplink.
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object indicates the number of Topology Change Notification BPDUs sent out this PIP uplink.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		

Table 263 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries allocated in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize depends on the platform/chassis mode.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 264 l2tp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupProfileStats</p> <p>MIB entry name: tmnxL2tpTgStatEntry</p> <p>Entry description: Each row entry contains status and statistics about an L2TP tunnel group. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxL2tpTgStatTable): The tmnxL2tpTgStatTable contains status and statistics information about Layer Two Tunneling Protocol Tunnel Groups. The tmnxL2tpTgStatTable has an entry for each L2TP Tunnel Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: l2tp.GroupProfile</p>		
activeSessions [Active Sessions] (tmnxL2tpTgStatActiveSessions)	long	The value of tmnxL2tpTgStatActiveSessions indicates the number of sessions currently established in this tunnel group.
activeTunnels [Active Tunnels] (tmnxL2tpTgStatActiveTunnels)	long	The value of tmnxL2tpTgStatActiveTunnels indicates the number of tunnels currently established in this tunnel group.
attemptedSessions [Attempted Sessions] (tmnxL2tpTgStatTotalSessions)	long	The value of tmnxL2tpTgStatTotalSessions indicates the number of session creation attempts in this tunnel group since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
attemptedTunnels [Attempted Tunnels] (tmnxL2tpTgStatTotalTunnels)	long	The value of tmnxL2tpTgStatTotalTunnels indicates the total number of tunnel set up attempts in this tunnel group since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
cleared [Cleared] (tmnxL2tpTgStatCleared)	long	The value of the object tmnxL2tpTgStatCleared indicates the value of sysUpTime when the tunnel group statistics were cleared. The value zero indicates that the statistics have not been cleared since the last re-initialization of the local network management subsystem.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxOctets [Control Rx Octets] (tmnxL2tpTgStatControlRxOctets)	java. math. BigInteger	The value of tmnxL2tpTgStatControlRxOctets indicates the number of control channel octets received by the current tunnels in this tunnel group.
controlRxOctetsHw [Control Rx Octets Hw] (tmnxL2tpTgStatControlRxOctetsHw)	long	The value of tmnxL2tpTgStatControlRxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTgStatControlRxOctets.
controlRxOctetsLw [Control Rx Octets Lw] (tmnxL2tpTgStatControlRxOctetsLw)	long	The value of tmnxL2tpTgStatControlRxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTgStatControlRxOctets.
controlRxPkts [Control Rx Pkts] (tmnxL2tpTgStatControlRxPkts)	long	The value of tmnxL2tpTgStatControlRxPkts indicates the accumulated number of control packets received by the current tunnels in this tunnel group.
controlTxOctets [Control Tx Octets] (tmnxL2tpTgStatControlTxOctets)	java. math. BigInteger	The value of tmnxL2tpTgStatControlTxOctets indicates the accumulated number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel group.
controlTxOctetsHw [Control Tx Octets Hw] (tmnxL2tpTgStatControlTxOctetsHw)	long	The value of tmnxL2tpTgStatControlTxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTgStatControlTxOctets.
controlTxOctetsLw [Control Tx Octets Lw] (tmnxL2tpTgStatControlTxOctetsLw)	long	The value of tmnxL2tpTgStatControlTxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTgStatControlTxOctets.
controlTxPkts [Control Tx Pkts] (tmnxL2tpTgStatControlTxPkts)	long	The value of tmnxL2tpTgStatControlTxPkts indicates the accumulated number of control packets that were transmitted to the current tunnel endpoints in this tunnel group.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorRxPkts [Error Rx Pkts] (tmnxL2tpTgStatErrorRxPkts)	long	The value of tmnxL2tpTgStatErrorRxPkts indicates the accumulated number of errored packets that were received on the current tunnels in this tunnel group.
errorTxPkts [Error Tx Pkts] (tmnxL2tpTgStatErrorTxPkts)	long	The value of tmnxL2tpTgStatErrorTxPkts indicates the accumulated number of packet transmission errors on the current tunnels in this tunnel group.
failedSessions [Failed Sessions] (tmnxL2tpTgStatFailedSessions)	long	The value of tmnxL2tpTgStatFailedSessions indicates the number of sessions in this tunnel group that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTuAuth [Failed Tu Auth] (tmnxL2tpTgStatFailedTuAuth)	long	The value of tmnxL2tpTgStatFailedTuAuth indicates the number of tunnels in this tunnel group that failed authentication since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTunnels [Failed Tunnels] (tmnxL2tpTgStatFailedTunnels)	long	The value of tmnxL2tpTgStatFailedTunnels indicates the number of tunnels in this tunnel group that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
sessionAssignMethod [Session Assign Method] (tmnxL2tpTgStatSeAssignMethod)	int	The value of the object tmnxL2tpTgStatSeAssignMethod indicates the latest actual method used for the authentication of the tunnels in this Layer Two Tunneling Protocol Tunnel Group. Note that the next tunnel that will be set up in this L2TP tunnel group may or may not use the same method, since the configuration of the RADIUS server may have changed in the meantime.
sessionLimit [Session Limit] (tmnxL2tpTgStatSessionLimit)	long	The value of tmnxL2tpTgStatSessionLimit indicates the configured session limit of this tunnel group.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
state [State] (tmnxL2tpTgStatState)	int	The value of tmnxL2tpTgStatState indicates the operational state of this Layer Two Tunneling Protocol Tunnel Group.
totalSessions [Total Sessions] (tmnxL2tpTgStatSessions)	long	The value of tmnxL2tpTgStatSessions indicates the actual number of sessions in this tunnel group.
totalTunnels [Total Tunnels] (tmnxL2tpTgStatTunnels)	long	The value of tmnxL2tpTgStatTunnels indicates the actual number of tunnels in this tunnel group.
<p>PeerProtStats MIB entry name: tmnxL2tpPeerProtStatsEntry Entry description: Each conceptual row represents protocol statistics of a specific type for a specific L2TP peer. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table. Table description (for tmnxL2tpPeerProtStatsTable): The tmnxL2tpPeerProtStatsTable contains protocol statistics information about L2TP peers. Supports realtime plotting Supports scheduled collection Monitored class: I2tp.Peer</p>		

Table 264 L2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protInstance [Prot Instance] (tmnxL2tpPeerProtStatsInstance)	long	The value of the object tmnxL2tpPeerProtStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. For example: if the value of the object tmnxL2tpPeerProtStatsType is equal to 'outgoingMsgType', the value of tmnxL2tpPeerProtStatsInstance is a message identifier, e.g. instance '2' refers to '(SCCRP) Start-Control-Connection-Reply', and the value of tmnxL2tpPeerProtStatsVal indicates the number of SCCRP messages transmitted for this tunnel. The value of this object is 4294967294 for Zero-Length Body (ZLB) messages. The value of this object is 4294967295 for incoming protocol messages with unknown values for message ID, return code or result code.
protName [Prot Name] (tmnxL2tpPeerProtStatsName)	String	The value of the object tmnxL2tpPeerProtStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxL2tpPeerProtStatsName is '(SCCRP) Start-Control-Connection-Reply'.
protType [Prot Type] (tmnxL2tpPeerProtStatsType)	int	The value of the object tmnxL2tpPeerProtStatsType indicates the type of L2TP protocol statistics contained in this conceptual row.
protVal [Prot Val] (tmnxL2tpPeerProtStatsVal)	long	The value of the object tmnxL2tpPeerProtStatsVal indicates the value of the statistics contained in this conceptual row.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxL2tpPeerStatEntry</p> <p>Entry description: Each row entry represents status and statistics information about a particular L2TP peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxL2tpPeerStatTable): The tmnxL2tpPeerStatTable contains status and statistics information about L2TP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.Peer</p>		
activeSessions [Active Sessions] (tmnxL2tpPeerStatActiveSessions)	long	The value of tmnxL2tpPeerStatActiveSessions indicates the number of sessions associated with this peer that are currently established.
activeTunnels [Active Tunnels] (tmnxL2tpPeerStatActiveTunnels)	long	The value of tmnxL2tpPeerStatActiveTunnels indicates the number of tunnels associated with this peer that are currently established.
controlRxOct [Control Rx Oct] (tmnxL2tpPeerStatControlRxOct)	java. math. BigInteger	The value of tmnxL2tpPeerStatControlRxOct indicates the number of control channel octets received in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctHw [Control Rx Oct Hw] (tmnxL2tpPeerStatControlRxOctHw)	long	The value of tmnxL2tpPeerStatControlRxOctHw indicates the higher 32-bits word of the value of tmnxL2tpPeerStatControlRxOct.
controlRxOctLw [Control Rx Oct Lw] (tmnxL2tpPeerStatControlRxOctLw)	long	The value of tmnxL2tpPeerStatControlRxOctLw indicates the lower 32-bits word of the value of tmnxL2tpPeerStatControlRxOct.
controlRxPkts [Control Rx Pkts] (tmnxL2tpPeerStatControlRxPkts)	long	The value of tmnxL2tpPeerStatControlRxPkts indicates the number of control packets received by this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlTxOct [Control Tx Oct] (tmnxL2tpPeerStatControlTxOct)	java. math. BigInteger	The value of tmnxL2tpPeerStatControlTxOct indicates the number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctHw [Control Tx Oct Hw] (tmnxL2tpPeerStatControlTxOctHw)	long	The value of tmnxL2tpPeerStatControlTxOctHw indicates the higher 32-bits word of the value of tmnxL2tpPeerStatControlTxOct.
controlTxOctLw [Control Tx Oct Lw] (tmnxL2tpPeerStatControlTxOctLw)	long	The value of tmnxL2tpPeerStatControlTxOctLw indicates the lower 32-bits word of the value of tmnxL2tpPeerStatControlTxOct.
controlTxPkts [Control Tx Pkts] (tmnxL2tpPeerStatControlTxPkts)	long	The value of tmnxL2tpPeerStatControlTxPkts indicates the number of control packets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
draining [Draining] (tmnxL2tpPeerStatDraining)	int	The value of tmnxL2tpPeerStatDraining indicates if this peer is being drained.
errorRxPkts [Error Rx Pkts] (tmnxL2tpPeerStatErrorRxPkts)	long	The value of tmnxL2tpPeerStatErrorRxPkts indicates the number of errored packets that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorTxPkts [Error Tx Pkts] (tmnxL2tpPeerStatErrorTxPkts)	long	The value of tmnxL2tpPeerStatErrorTxPkts indicates the number of packet transmission errors on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastCleared [Last Cleared] (tmnxL2tpPeerStatLastCleared)	long	The value of the object tmnxL2tpPeerStatLastCleared indicates the value of sysUpTime when the contents of this conceptual row were cleared for the last time. The value zero means that the contents of this conceptual row have not yet been cleared.
msgAccepted [Msg Accepted] (tmnxL2tpPeerStatMsgAccepted)	long	The value of tmnxL2tpPeerStatMsgAccepted indicates the number of Finite State Machine (FSM) messages that were accepted from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
msgDuplicateRx [Msg Duplicate Rx] (tmnxL2tpPeerStatMsgDuplicateRx)	long	The value of tmnxL2tpPeerStatMsgDuplicateRx indicates the number of Finite State Machine (FSM) duplicate messages that were received from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
msgOutOfWndwRx [Msg Out Of Wndw Rx] (tmnxL2tpPeerStatMsgOutOfWndwRx)	long	The value of tmnxL2tpPeerStatMsgOutOfWndwRx indicates the number of Finite State Machine (FSM) messages that were received out of the receive window from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
sessions [Sessions] (tmnxL2tpPeerStatSessions)	long	The value of tmnxL2tpPeerStatSessions indicates the actual number of sessions associated with this peer.
tunnels [Tunnels] (tmnxL2tpPeerStatTunnels)	long	The value of tmnxL2tpPeerStatTunnels indicates the actual number of tunnels associated with this peer.
unreachableTime [Unreachable Time] (tmnxL2tpPeerStatUnreachableTime)	long	The value of the object tmnxL2tpPeerStatUnreachableTime indicates the value of sysUpTime when the this peer was deemed unreachable for the last time. The value zero means that this peer has not been deemed unreachable yet.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxL2tpStatEntry</p> <p>Entry description: L2TP specific information about a virtual router. Each entry represents a L2TP protocol instance.</p> <p>Table description (for tmnxL2tpStatTable): A table that contains L2TP configuration information about virtual routers. The system automatically creates an entry in this table for each virtual router where L2TP is supported. Only the Base router supports L2TP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.Site</p>		
activeSessions [Active Sessions] (tmnxL2tpStatActiveSessions)	long	The value of tmnxL2tpStatActiveSessions indicates the number of sessions currently established.
activeTunnels [Active Tunnels] (tmnxL2tpStatActiveTunnels)	long	The value of tmnxL2tpStatActiveTunnels indicates the number of tunnels currently established.
attemptedSessions [Attempted Sessions] (tmnxL2tpStatTotalSessions)	long	The value of tmnxL2tpStatTotalSessions indicates the number of session creation attempts since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
attemptedTunnels [Attempted Tunnels] (tmnxL2tpStatTotalTunnels)	long	The value of tmnxL2tpStatTotalTunnels indicates the total number of tunnel set up attempts since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
cleared [Cleared] (tmnxL2tpStatCleared)	long	The value of the object tmnxL2tpStatCleared indicates the value of sysUpTime when the system statistics were cleared. The value zero indicates that the system statistics have not been cleared since the last re-initialization of the local network management subsystem.

Table 264 l2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentBlackListLength [Current Black List Length] (tmnxL2tpStatCurrSelBlackListLen)	long	The value of tmnxL2tpStatCurrSelBlackListLen indicates the actual number of tunnels and peers in the tunnel-selection-blacklist.
failedSessions [Failed Sessions] (tmnxL2tpStatFailedSessions)	long	The value of tmnxL2tpStatFailedSessions indicates the number of sessions that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTuAuth [Failed Tu Auth] (tmnxL2tpStatFailedTuAuth)	long	The value of tmnxL2tpStatFailedTuAuth indicates the number of tunnels that failed authentication since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTunnels [Failed Tunnels] (tmnxL2tpStatFailedTunnels)	long	The value of tmnxL2tpStatFailedTunnels indicates the number of tunnels that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
totalSessions [Total Sessions] (tmnxL2tpStatCurrentSessions)	long	The value of tmnxL2tpStatCurrentSessions indicates the actual number of sessions.
totalTunnels [Total Tunnels] (tmnxL2tpStatCurrentTunnels)	long	The value of tmnxL2tpStatCurrentTunnels indicates the actual number of tunnels.
unavailableTunnelIds [Unavailable Tunnel Ids] (tmnxL2tpStatUnavailTunnelIds)	long	The value of tmnxL2tpStatUnavailTunnelIds indicates the number of tunnel identifiers that is unavailable for the L2TP protocol because they are used by some other application. An example of such an application is NAT.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TunnelStatusProtStats</p> <p>MIB entry name: tmnxL2tpTuProtStatsEntry</p> <p>Entry description: Each conceptual row represents protocol statistics of a specific type. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tpTuProtStatsTable): The tmnxL2tpTuProtStatsTable shows protocol statistics information of Layer Two Tunneling Protocol Tunnels.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.TunnelStatus</p>		
protInstance [Prot Instance] (tmnxL2tpTuProtStatsInstance)	long	The value of the object tmnxL2tpTuProtStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. For example: if the value of the object tmnxL2tpTuProtStatsType is equal to 'outgoingMsgType', the value of tmnxL2tpTuProtStatsInstance is a message identifier, e.g. instance '2' refers to '(SCCRP) Start-Control-Connection-Reply', and the value of tmnxL2tpTuProtStatsVal indicates the number of SCCRP messages transmitted for this tunnel. The value of this object is 4294967294 for Zero-Length Body (ZLB) messages. The value of this object is 4294967295 for incoming protocol messages with unknown values for message ID, return code or result code.
protName [Prot Name] (tmnxL2tpTuProtStatsName)	String	The value of the object tmnxL2tpTuProtStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxL2tpTuProtStatsName is '(SCCRP) Start-Control-Connection-Reply'.
protType [Prot Type] (tmnxL2tpTuProtStatsType)	int	The value of the object tmnxL2tpTuProtStatsType indicates the type of L2TP protocol statistics contained in this conceptual row.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protVal [Prot Val] (tmnxL2tpTuProtStatsVal)	long	The value of the object tmnxL2tpTuProtStatsVal indicates the value of the statistics contained in this conceptual row.
<p>TunnelStatusStats MIB entry name: tmnxL2tpTuStatsEntry Entry description: Each conceptual row represents statistics information of a Layer Two Tunneling Protocol Tunnel. Entries in this table are created and destroyed by the system. Table description (for tmnxL2tpTuStatsTable): The tmnxL2tpTuStatsTable has an entry for each Layer Two Tunneling Protocol Tunnel. Supports realtime plotting Supports scheduled collection Monitored class: I2tp.TunnelStatus</p>		
activeSessions [Active Sessions] (tmnxL2tpTuStatsActiveSessions)	long	The value of tmnxL2tpTuStatsActiveSessions indicates the number of sessions currently established in this tunnel.
attemptedSessions [Attempted Sessions] (tmnxL2tpTuStatsTotalSessions)	long	The value of tmnxL2tpTuStatsTotalSessions indicates the number of session creation attempts in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctets [Control Rx Octets] (tmnxL2tpTuStatsControlRxOctets)	java. math. BigInteger	The value of tmnxL2tpTuStatsControlRxOctets indicates the number of control channel octets received in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctetsHw [Control Rx Octets Hw] (tmnxL2tpTuStatsControlRxOctetsHw)	long	The value of tmnxL2tpTuStatsControlRxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTuStatsControlRxOctets.
controlRxOctetsLw [Control Rx Octets Lw] (tmnxL2tpTuStatsControlRxOctetsLw)	long	The value of tmnxL2tpTuStatsControlRxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTuStatsControlRxOctets.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxPkts [Control Rx Pkts] (tmnxL2tpTuStatsControlRxPkts)	long	The value of tmnxL2tpTuStatsControlRxPkts indicates the number of control packets received by this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctets [Control Tx Octets] (tmnxL2tpTuStatsControlTxOctets)	java. math. BigInteger	The value of tmnxL2tpTuStatsControlTxOctets indicates the number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctetsHw [Control Tx Octets Hw] (tmnxL2tpTuStatsControlTxOctetsHw)	long	The value of tmnxL2tpTuStatsControlTxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTuStatsControlTxOctets.
controlTxOctetsLw [Control Tx Octets Lw] (tmnxL2tpTuStatsControlTxOctetsLw)	long	The value of tmnxL2tpTuStatsControlTxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTuStatsControlTxOctets.
controlTxPkts [Control Tx Pkts] (tmnxL2tpTuStatsControlTxPkts)	long	The value of tmnxL2tpTuStatsControlTxPkts indicates the number of control packets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorRxPkts [Error Rx Pkts] (tmnxL2tpTuStatsErrorRxPkts)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the number of errored packets that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorTxPkts [Error Tx Pkts] (tmnxL2tpTuStatsErrorTxPkts)	long	The value of tmnxL2tpTuStatsErrorTxPkts indicates the number of packet transmission errors on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedSessions [Failed Sessions] (tmnxL2tpTuStatsFailedSessions)	long	The value of tmnxL2tpTuStatsFailedSessions indicates the number of sessions in this tunnel that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgAccepted [Fsm Msg Accepted] (tmnxL2tpTuStatsFsmMsgAccepted)	long	The value of tmnxL2tpTuStatsFsmMsgAccepted indicates the number of Finite State Machine (FSM) messages that were accepted on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgDuplicateRx [Fsm Msg Duplicate Rx] (tmnxL2tpTuStatsFsmMsgDuplicateRx)	long	The value of tmnxL2tpTuStatsFsmMsgDuplicateRx indicates the number of Finite State Machine (FSM) duplicate messages that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgOutOfWdwRx [Fsm Msg Out Of Wndw Rx] (tmnxL2tpTuStatsFsmMsgOutOfWdwRx)	long	The value of tmnxL2tpTuStatsFsmMsgOutOfWdwRx indicates the number of Finite State Machine (FSM) messages that were received out of the receive window on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
lastCleared [Last Cleared] (tmnxL2tpTuStatsLastCleared)	long	The value of the object tmnxL2tpTuStatsLastCleared indicates the value of sysUpTime when the contents of this conceptual row were cleared for the last time. The value zero means that the contents of this conceptual row have not yet been cleared.
qLengthAckCur [QLength Ack Cur] (tmnxL2tpTuStatsQLengthAckCur)	long	The value of tmnxL2tpTuStatsQLengthAckCur indicates the the current length of the acknowledged message queue on this tunnel.

Table 264 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qLengthAckMax [QLength Ack Max] (tmnxL2tpTuStatsQLengthAckMax)	long	The value of tmnxL2tpTuStatsQLengthAckMax indicates the the maximum length of the acknowledged message queue on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
qLengthUnsentCur [QLength Unsent Cur] (tmnxL2tpTuStatsQLengthUnsentCur)	long	The value of tmnxL2tpTuStatsQLengthUnsentCur indicates the the current length of the unsent message queue on this tunnel.
qLengthUnsentMax [QLength Unsent Max] (tmnxL2tpTuStatsQLengthUnsentMax)	long	The value of tmnxL2tpTuStatsQLengthUnsentMax indicates the the maximum length of the unsent message queue on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
totalSessions [Total Sessions] (tmnxL2tpTuStatsSessions)	long	The value of tmnxL2tpTuStatsSessions indicates the actual number of sessions in this tunnel.
windowSizeCur [Window Size Cur] (tmnxL2tpTuStatsWindowSizeCur)	long	The value of tmnxL2tpTuStatsWindowSizeCur indicates the the current size of the receive window on this tunnel.

Table 265 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 265 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 265 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 265 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 265 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 266 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPv6InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.IPv6Extension</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: Ldp.AccountingFecPrefix</p>		

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrawIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrawOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRecv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRecv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 266 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 266 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf indicates the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeLinkAdjacencies [Active Link Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj indicates the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess indicates the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargAdjacencies [Active Targ Adjacencies] (vLdpNgStatsIPv4ActiveTargAdj)	long	The value of vLdpNgStatsIPv4ActiveTargAdj indicates the number of active IPv4 target adjacencies (i.e. established sessions) associated with the LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers indicates the number of configured IPv4 targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv indicates the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent indicates the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions indicates the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
egrFecPfxCount [Egr Fec Pfx Count] (vLdpNgStatsIPv4EgrFecPfxCount)	long	The value of vLdpNgStatsIPv4EgrFecPfxCount indicates the number of IPv4 egress FEC prefix statistics configured for this LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fec128FecInOverloaded [Fec 128 Fec In Overloaded] (vLdpNgStatsFec128FecInOLoad)	long	The value of vLdpNgStatsFec128FecInOLoad indicates the number PW ID FEC in overload state in LDP instance.
fec128FecOLSessionReceived [Fec 128 Fec OLSession Received] (vLdpNgStatsFec128FecOLSessRecv)	long	The value of vLdpNgStatsFec128FecOLSessRecv indicates the number of Overload Notifications received for PW ID FEC over sessions in LDP instance.
fec128FecOLSessionSent [Fec 128 Fec OLSession Sent] (vLdpNgStatsFec128FecOLSessSent)	long	The value of vLdpNgStatsFec128FecOLSessSent indicates the number of Overload Notifications sent for PW ID FEC over sessions in LDP instance.
fec129FecInOverloaded [Fec 129 Fec In Overloaded] (vLdpNgStatsFec129FecInOLoad)	long	The value of vLdpNgStatsFec129FecInOLoad indicates the number General PW ID FEC in overload state in LDP instance.
fec129FecOLSessionReceived [Fec 129 Fec OLSession Received] (vLdpNgStatsFec129FecOLSessRecv)	long	The value of vLdpNgStatsFec129FecOLSessRecv indicates the number of Overload Notifications received for General PW ID FEC over sessions in LDP instance.
fec129FecOLSessionSent [Fec 129 Fec OLSession Sent] (vLdpNgStatsFec129FecOLSessSent)	long	The value of vLdpNgStatsFec129FecOLSessSent indicates the number of Overload Notifications sent for General PW ID FEC over sessions in LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactifelf)	long	The value of vLdpNgStatsIPv4Inactifelf indicates the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv4InactiveTargPeers)	long	The value of vLdpNgStatsIPv4InactiveTargPeers indicates the number of inactive (i.e. operationally down) IPv4 targeted sessions associated with the LDP instance.
ipv6ActiveInterfaces [Ipv 6 Active Interfaces] (vLdpNgStatsIPv6Activelf)	long	The value of vLdpNgStatsIPv6Activelf indicates the number of active (i.e. operationally up) IPv6 interfaces associated with the LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6ActiveLinkAdjacencies [Ipv 6 Active Link Adjacencies] (vLdpNgStatsIPv6ActiveLinkAdj)	long	The value of vLdpNgStatsIPv6ActiveLinkAdj indicates the number of active IPv6 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
ipv6ActiveSessions [Ipv 6 Active Sessions] (vLdpNgStatsIPv6ActiveSess)	long	The value of vLdpNgStatsIPv6ActiveSess indicates the number of active IPv6 sessions (i.e. session in some form of creation) associated with the LDP instance.
ipv6ActiveTargAdjacencies [Ipv 6 Active Targ Adjacencies] (vLdpNgStatsIPv6ActiveTargAdj)	long	The value of vLdpNgStatsIPv6ActiveTargAdj indicates the number of active IPv6 target adjacencies (i.e. established sessions) associated with the LDP instance.
ipv6ActiveTargetedSessions [Ipv 6 Active Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers indicates the number of configured IPv6 targeted peers that are administratively up in an LDP instance.
ipv6AddressFECsReceived [Ipv 6 Address FECs Received] (vLdpNgStatsIPv6PfxFecRecv)	long	The value of vLdpNgStatsIPv6PfxFecRecv indicates the number of IPv6 Address FECs received by the LDP instance from its neighbors.
ipv6AddressFECsSent [Ipv 6 Address FECs Sent] (vLdpNgStatsIPv6PfxFecSent)	long	The value of vLdpNgStatsIPv6PfxFecSent indicates the number of IPv6 Address FECs sent by the LDP instance to its neighbors.
ipv6AttemptedSessions [Ipv 6 Attempted Sessions] (vLdpNgStatsIPv6AttemptedSessions)	long	The value of vLdpNgStatsIPv6AttemptedSessions indicates the total number of attempted IPv6 sessions for this LDP instance.
ipv6EgrFecPfxCount [Ipv 6 Egr Fec Pfx Count] (vLdpNgStatsIPv6EgrFecPfxCount)	long	The value of vLdpNgStatsIPv6EgrFecPfxCount indicates the number of IPv6 egress FEC prefix statistics configured for this LDP instance.
ipv6InactiveInterfaces [Ipv 6 Inactive Interfaces] (vLdpNgStatsIPv6InactifIf)	long	The value of vLdpNgStatsIPv6InactifIf indicates the number of inactive (i.e. operationally down) IPv6 interfaces associated with the LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6InactiveTargetedSessions [Ipv 6 Inactive Targeted Sessions] (vLdpNgStatsIPv6InactiveTargPeers)	long	The value of vLdpNgStatsIPv6InactiveTargPeers indicates the number of inactive (i.e. operationally down) IPv6 targeted sessions associated with the LDP instance.
ipv6OverloadedInterfaces [Ipv 6 Overloaded Interfaces] (vLdpNgStatsIPv6OLoadInterfaces)	long	The value of vLdpNgStatsIPv6OLoadInterfaces indicates the number of overloaded IPv6 interfaces in LDP instance.
ipv6OverloadedTargetedPeers [Ipv 6 Overloaded Targeted Peers] (vLdpNgStatsIPv6OLoadTargPeers)	long	The value of vLdpNgStatsIPv6OLoadTargPeers indicates the number of overloaded IPv6 targeted peers in LDP instance.
ipv6P2mpFecInOverloaded [Ipv 6 P2 mp Fec In Overloaded] (vLdpNgStatsIPv6P2MPFecInOLoad)	long	The value of vLdpNgStatsIPv6P2MPFecInOLoad indicates the number IPv4 P2MP FEC in overload state in LDP instance.
ipv6P2mpFecOLSessionReceived [Ipv 6 P2 mp Fec OLSession Received] (vLdpNgStatsIPv6P2MPFecOLSessRecv)	long	The value of vLdpNgStatsIPv6P2MPFecOLSessRecv indicates the number of Overload Notifications received for IPv6 P2MP FEC over sessions in LDP instance.
ipv6P2mpFecOLSessionSent [Ipv 6 P2 mp Fec OLSession Sent] (vLdpNgStatsIPv6P2MPFecOLSessSent)	long	The value of vLdpNgStatsIPv6P2MPFecOLSessSent indicates the number of Overload Notifications sent for IPv6 P2MP FEC over sessions in LDP instance.
ipv6PfxFecInOverloaded [Ipv 6 Pfx Fec In Overloaded] (vLdpNgStatsIPv6PfxFecInOLoad)	long	The value of vLdpNgStatsIPv6PfxFecInOLoad indicates the number IPv6 Address FEC in overload state in LDP instance.
ipv6PfxFecOLSessionReceived [Ipv 6 Pfx Fec OLSession Received] (vLdpNgStatsIPv6PfxFecOLSessRecv)	long	The value of vLdpNgStatsIPv6PfxFecOLSessRecv indicates the number of Overload Notifications received for IPv6 address FEC over sessions in LDP instance.
ipv6PfxFecOLSessionSent [Ipv 6 Pfx Fec OLSession Sent] (vLdpNgStatsIPv6PfxFecOLSessSent)	long	The value of vLdpNgStatsIPv6PfxFecOLSessSent indicates the number of Overload Notifications sent for IPv6 address FEC over sessions in LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents indicates the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
overloadedInterfaces [Overloaded Interfaces] (vLdpNgStatsIPv4OLoadInterfaces)	long	The value of vLdpNgStatsIPv4OLoadInterfaces indicates the number of overloaded IPv4 interfaces in LDP instance.
overloadedTargetedPeers [Overloaded Targeted Peers] (vLdpNgStatsIPv4OLoadTargPeers)	long	The value of vLdpNgStatsIPv4OLoadTargPeers indicates the number of overloaded IPv4 targeted peers in LDP instance.
p2mpFecInOverloaded [P2 mp Fec In Overloaded] (vLdpNgStatsIPv4P2MPFecInOLoad)	long	The value of vLdpNgStatsIPv4P2MPFecInOLoad indicates the number IPv4 P2MP FEC in overload state in LDP instance.
p2mpFecOLSessionReceived [P2 mp Fec OLSession Received] (vLdpNgStatsIPv4P2MPFecOLSessionReceived)	long	The value of vLdpNgStatsIPv4P2MPFecOLSessionReceived indicates the number of Overload Notifications received for IPv4 P2MP FEC over sessions in LDP instance.
p2mpFecOLSessionSent [P2 mp Fec OLSession Sent] (vLdpNgStatsIPv4P2MPFecOLSessionSent)	long	The value of vLdpNgStatsIPv4P2MPFecOLSessionSent indicates the number of Overload Notifications sent for IPv4 P2MP FEC over sessions in LDP instance.
pfxFecInOverloaded [Pfx Fec In Overloaded] (vLdpNgStatsIPv4PfxFecInOLoad)	long	The value of vLdpNgStatsIPv4PfxFecInOLoad indicates the number IPv4 Address FEC in overload state in LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pfxFecOLSessionReceived [Pfx Fec OLSession Received] (vLdpNgStatsIPv4PfxFecOLSessRecv)	long	The value of vLdpNgStatsIPv4PfxFecOLSessRecv indicates the number of Overload Notifications received for IPv4 address FEC over sessions in LDP instance.
pfxFecOLSessionSent [Pfx Fec OLSession Sent] (vLdpNgStatsIPv4PfxFecOLSessSent)	long	The value of vLdpNgStatsIPv4PfxFecOLSessSent indicates the number of Overload Notifications sent for IPv4 address FEC over sessions in LDP instance.
service129FECsReceived [Service 129 FECs Received] (vLdpNgStatsFec129FecRecv)	long	The value of vLdpNgStatsFec129FecRecv indicates the number of General Pseudo wire ID FECs received by the LDP instance from its neighbors.
service129FECsSent [Service 129 FECs Sent] (vLdpNgStatsFec129FecSent)	long	The value of vLdpNgStatsFec129FecSent indicates the number of General Pseudo wire ID FECs sent by the LDP instance to its neighbors.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv indicates the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent indicates the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLbIRngeErrs)	long	The value of vLdpNgStatsSessRejLbIRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vLdpNgStatsUnknownTlvErrors)	long	The value of vLdpNgStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.
<p>SiteStatsExtension</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		

Table 266 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vLdpNgStatsIPv6P2MPFecRecv)	long	The value of vLdpNgStatsIPv6P2MPFecRecv indicates the number of IPv6 P2MP FECs received by the LDP instance from its neighbors.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vLdpNgStatsIPv6P2MPFecSent)	long	The value of vLdpNgStatsIPv6P2MPFecSent indicates the number of IPv6 P2MP FECs sent by the LDP instance to its neighbors.
p2mpFecReceived [P2 mp Fec Received] (vLdpNgStatsIPv4P2MPFecRecv)	long	The value of vLdpNgStatsIPv4P2MPFecRecv indicates the number of IPv4 P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vLdpNgStatsIPv4P2MPFecSent)	long	The value of vLdpNgStatsIPv4P2MPFecSent indicates the number of IPv4 P2MP FECs sent by the LDP instance to its neighbors.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.TargetedPeer</p>		

Table 266 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 267 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 267 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 267 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 267 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 268 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupSourceSummaryStats</p> <p>MIB entry name: vRtrMldGrpSrcSummaryEntry</p> <p>Entry description: An entry in the vRtrMldGrpSrcSummaryTable. Each entry represents the summary counters for each Group/Source combination.</p> <p>Table description (for vRtrMldGrpSrcSummaryTable): The table listing the IP multicast Group/Source summary counters.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Site</p>		
blockedGrpIntfSaps [Blocked Grp Intf Saps] (vRtrMldGrpSrcSummBlkGrpIfSaps)	long	The value of vRtrMldGrpSrcSummBlkGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the blocking list.
blockedHosts [Blocked Hosts] (vRtrMldGrpSrcSummBlkHosts)	long	The value of vRtrMldGrpSrcSummBlkHosts indicates the number of hosts having this Group/Source combination in the blocking list.
blockedInterfaces [Blocked Interfaces] (vRtrMldGrpSrcSummBlkInterfaces)	long	The value of vRtrMldGrpSrcSummBlkInterfaces indicates the number of interfaces having this Group/Source combination in the blocking list.
fwdGrpIntfSaps [Fwd Grp Intf Saps] (vRtrMldGrpSrcSummFwdGrpIfSaps)	long	The value of vRtrMldGrpSrcSummFwdGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the forwarding list.
fwdHosts [Fwd Hosts] (vRtrMldGrpSrcSummFwdHosts)	long	The value of vRtrMldGrpSrcSummFwdHosts indicates the number of hosts having this Group/Source combination in the forwarding list.
fwdInterfaces [Fwd Interfaces] (vRtrMldGrpSrcSummFwdInterfaces)	long	The value of vRtrMldGrpSrcSummFwdInterfaces indicates the number of interfaces having this Group/Source combination in the forwarding list.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
GrpInterfaceSapStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Supports realtime plotting Supports scheduled collection Monitored class: mld.GrpInterfaceSap		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fwdServiceId [Fwd Service Id] (vRtrIfFwdSvcId)	long	The value of vRtrIfFwdSvcId specifies the forwarding service ID for a subscriber interface in a retailer context.
groupIfIndex [Group If Index] (vRtrGrpIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrGrpIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrGrpIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
importPolicyDrops [Import Policy Drops] (vRtrMldGrpIfSapImportPlcyDrops)	long	The value of vRtrMldGrpIfSapImportPlcyDrops indicates the total number of times MLD protocol instance matched the host IP address or group/source addresses specified in the import policy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrMldGrpIfSapStatsMcacPlcyDrp)	long	The value of the object vRtrMldGrpIfSapStatsMcacPlcyDrp indicates the number times an MLD Group is dropped because of applying a multicast CAC policy for this SAP.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldGrpIfSapRxBadChksumPkts)	long	The value of vRtrMldGrpIfSapRxBadChksumPkts indicates the total number of MLD packets with bad checksum received for this SAP.
rxBadEncodings [Rx Bad Encodings] (vRtrMldGrpIfSapRxBadEncodings)	long	The value of vRtrMldGrpIfSapRxBadEncodings indicates the total number of MLD packets received for this SAP which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldGrpIfSapRxBadLenPkts)	long	The value of vRtrMldGrpIfSapRxBadLenPkts indicates the total number of MLD packets with bad length received for this SAP.
rxBadReceivIfPkts [Rx Bad Receive If Pkts] (vRtrMldGrpIfSapRxBadRecvIfPkts)	long	The value of vRtrMldGrpIfSapRxBadRecvIfPkts indicates the total number of MLD packets incorrectly received for this SAP.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrMldGrpIfSapRxGenQueries)	long	The value of vRtrMldGrpIfSapRxGenQueries indicates the total number of MLD General Queries received for this SAP.
rxGrpQueries [Rx Grp Queries] (vRtrMldGrpIfSapRxGrpQueries)	long	The value of vRtrMldGrpIfSapRxGrpQueries indicates the number of MLD Group Specific Queries received for this SAP.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldGrpIfSapRxGrpSrcQueries)	long	The value of vRtrMldGrpIfSapRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received for this SAP.
rxLeaves [Rx Leaves] (vRtrMldGrpIfSapRxLeaves)	long	The value of vRtrMldGrpIfSapRxLeaves indicates the total number of MLD Leaves received for this SAP.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldGrpIfSapRxLocalScopePkts)	long	The value of the object vRtrMldGrpIfSapRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldGrpIfSapRxNoRtrAlertPkts)	long	The value of vRtrMldGrpIfSapRxNoRtrAlertPkts indicates the total number of MLDv2 packets received for this SAP which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldGrpIfSapRxNonLocal)	long	The value of vRtrMldGrpIfSapRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldGrpIfSapRxPktDrops)	long	The value of vRtrMldGrpIfSapRxPktDrops indicates the total number of MLD packets that were received for this SAP but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldGrpIfSapRxRsvdScopePkts)	long	The value of the object vRtrMldGrpIfSapRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv4 multicast address.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldGrpIfSapRxUnknTypePkts)	long	The value of vRtrMldGrpIfSapRxUnknTypePkts indicates the total number of MLD packets with unknown type received for this SAP.
rxV1Reports [Rx V1 Reports] (vRtrMldGrpIfSapRxV1Reports)	long	The value of vRtrMldGrpIfSapRxV1Reports indicates the total number of MLD V1 Reports received for this SAP.
rxV2Reports [Rx V2 Reports] (vRtrMldGrpIfSapRxV2Reports)	long	The value of vRtrMldGrpIfSapRxV2Reports indicates the total number of MLD V2 Reports received for this SAP.
rxWrongVersions [Rx Wrong Versions] (vRtrMldGrpIfSapRxWrongVersions)	long	The value of vRtrMldGrpIfSapRxWrongVersions indicates the total number of MLD packets with wrong versions received for this SAP.
sgTypes [Sg Types] (vRtrMldGrpIfSapStatsSGTypes)	long	The value of vRtrMldGrpIfSapStatsSGTypes indicates the number of entries for this SAP for which the source type is 'sg'.
starGTypes [Star GTypes] (vRtrMldGrpIfSapStatsStarGTypes)	long	The value of vRtrMldGrpIfSapStatsStarGTypes indicates the number of entries for this SAP for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldGrpIfSapTxErrors)	long	The value of vRtrMldGrpIfSapTxErrors indicates the total number of times there was an error transmitting MLD packets for this SAP.
txGenQueries [Tx Gen Queries] (vRtrMldGrpIfSapTxGenQueries)	long	The value of vRtrMldGrpIfSapTxGenQueries indicates the number of MLD General Queries transmitted for this SAP.
txGrpQueries [Tx Grp Queries] (vRtrMldGrpIfSapTxGrpQueries)	long	The value of vRtrMldGrpIfSapTxGrpQueries indicates the number of MLD Group Specific Queries transmitted for this SAP.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldGrpIfSapTxGrpSrcQueries)	long	The value of vRtrMldGrpIfSapTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted for this SAP.
txLeaves [Tx Leaves] (vRtrMldGrpIfSapTxLeaves)	long	The value of vRtrMldGrpIfSapTxLeaves indicates the total number of MLD Leaves transmitted for this SAP.
txV1Reports [Tx V1 Reports] (vRtrMldGrpIfSapTxV1Reports)	long	The value of vRtrMldGrpIfSapTxV1Reports indicates the total number of MLD V1 Reports transmitted for this SAP.
txV2Reports [Tx V2 Reports] (vRtrMldGrpIfSapTxV2Reports)	long	The value of vRtrMldGrpIfSapTxV2Reports indicates the total number of MLD V2 Reports transmitted for this SAP.
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsMcacPolicyDrops [Stats Mcac Policy Drops] (vRtrMldIfStatsMcacPolicyDrops)	long	The value of the object vRtrMldIfStatsMcacPolicyDrops indicates the number times an MLD Group is dropped because of applying a multicast CAC policy on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	The value of vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
MidHostStats MIB entry name: vRtrMidHostStatsEntry Entry description: An entry in the vRtrMidHostStatsTable. Table description (for vRtrMidHostStatsTable): The table listing the MLD statistics for a particular host. Supports realtime plotting Does not support scheduled collection Monitored class: mld.MidHost		
importPolicyDrops [Import Policy Drops] (vRtrMidHostImportPolicyDrops)	long	The value of vRtrMidHostImportPolicyDrops indicates the total number of times MLD protocol instance matched the host IP address or group/source addresses specified in the import policy.
ipAddrType [Ip Addr Type] (vRtrMidHostAddressType)	int	The value of vRtrMidHostAddressType indicates the type of address to be used for vRtrMidHostAddress.
ipAddress [Ip Address] (vRtrMidHostAddress)	String	The value of vRtrMidHostAddress indicates the IP host address for which this entry contains information.
macAddress [Mac Address] (vRtrMidHostMacAddress)	String	The value of vRtrMidHostMacAddress indicates the MAC address of this subscriber host.
mcacPolicyDrops [Mcac Policy Drops] (vRtrMidHostStatsMcacPolicyDrops)	long	The value of the object vRtrMidHostStatsMcacPolicyDrops indicates the number times an MLD Group is dropped because of applying a multicast CAC policy for this host.
pppoeSessionId [Pppoe Session Id] (vRtrMidHostPppoeSessionId)	long	The value of vRtrMidHostPppoeSessionId indicates the PPPoE session id of this subscriber host.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
redirectionDrops [Redirection Drops] (vRtrMldHostRedirectionDrops)	long	The value of the object vRtrMldHostRedirectionDrops indicates the number times an MLD Group is dropped because of a failure while applying a redirection policy for this host.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldHostRxBadChecksumPkts)	long	The value of vRtrMldHostRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received for this host.
rxBadEncodings [Rx Bad Encodings] (vRtrMldHostRxBadEncodings)	long	The value of vRtrMldHostRxBadEncodings indicates the total number of MLD packets received for this host which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldHostRxBadLenPkts)	long	The value of vRtrMldHostRxBadLenPkts indicates the total number of MLD packets with bad length received for this host.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldHostRxBadReceiveIfPkts)	long	The value of vRtrMldHostRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received for this host.
rxGenQueries [Rx Gen Queries] (vRtrMldHostRxGenQueries)	long	The value of vRtrMldHostRxGenQueries indicates the total number of MLD General Queries received for this host.
rxGrpQueries [Rx Grp Queries] (vRtrMldHostRxGrpQueries)	long	The value of vRtrMldHostRxGrpQueries indicates the number of MLD Group Specific Queries received for this host.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldHostRxGrpSrcQueries)	long	The value of vRtrMldHostRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received for this host.
rxLeaves [Rx Leaves] (vRtrMldHostRxLeaves)	long	The value of vRtrMldHostRxLeaves indicates the total number of MLD Leaves received for this host.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldHostRxLocalScopePkts)	long	The value of the object vRtrMldHostRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldHostRxNoRtrAlertPkts)	long	The value of vRtrMldHostRxNoRtrAlertPkts indicates the total number of MLDv2 packets received for this host which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldHostRxNonLocal)	long	The value of vRtrMldHostRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldHostRxPktDrops)	long	The value of vRtrMldHostRxPktDrops indicates the total number of MLD packets that were received for this host but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldHostRxRsvdScopePkts)	long	The value of the object vRtrMldHostRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv4 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldHostRxUnknownTypePkts)	long	The value of vRtrMldHostRxUnknownTypePkts indicates the total number of MLD packets with unknown type received for this host.
rxV1Reports [Rx V1 Reports] (vRtrMldHostRxV1Reports)	long	The value of vRtrMldHostRxV1Reports indicates the total number of MLD V1 Reports received for this host.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrMldHostRxV2Reports)	long	The value of vRtrMldHostRxV2Reports indicates the total number of MLD V2 Reports received for this host.
rxWrongVersions [Rx Wrong Versions] (vRtrMldHostRxWrongVersions)	long	The value of vRtrMldHostRxWrongVersions indicates the total number of MLD packets with wrong versions received for this host.
sgTypes [Sg Types] (vRtrMldHostStatsSGTypes)	long	The value of vRtrMldHostStatsSGTypes indicates the number of entries for this host for which the source type is 'sg'.
starGTypes [Star GTypes] (vRtrMldHostStatsStarGTypes)	long	The value of vRtrMldHostStatsStarGTypes indicates the number of entries for this host for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldHostTxErrors)	long	The value of vRtrMldHostTxErrors indicates the total number of times there was an error transmitting MLD packets for this host.
txGenQueries [Tx Gen Queries] (vRtrMldHostTxGenQueries)	long	The value of vRtrMldHostTxGenQueries indicates the number of MLD General Queries transmitted for this host.
txGrpQueries [Tx Grp Queries] (vRtrMldHostTxGrpQueries)	long	The value of vRtrMldHostTxGrpQueries indicates the number of MLD Group Specific Queries transmitted for this host.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldHostTxGrpSrcQueries)	long	The value of vRtrMldHostTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted for this host.
txLeaves [Tx Leaves] (vRtrMldHostTxLeaves)	long	The value of vRtrMldHostTxLeaves indicates the total number of MLD Leaves transmitted for this host.

Table 268 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV1Reports [Tx V1 Reports] (vRtrMldHostTxV1Reports)	long	The value of vRtrMldHostTxV1Reports indicates the total number of MLD V1 Reports transmitted for this host.
txV2Reports [Tx V2 Reports] (vRtrMldHostTxV2Reports)	long	The value of vRtrMldHostTxV2Reports indicates the total number of MLD V2 Reports transmitted for this host.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 269 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries indicates the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
<p>S2LPathStats</p> <p>MIB entry name: vRtrMplsS2lSubLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.S2LPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeDown indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 269 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
srTeLspOriginate [Sr Te Lsp Originate] (vRtrMplsGeneralSrTeLspOriginate)	long	The value of vRtrMplsGeneralSrTeLspOriginate indicates the number of Segment Routing TE LSPs that are originating at this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 270 mplstp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathMepStats</p> <p>MIB entry name: vRtrMplsTpLspPtPathMepStatEntry</p> <p>Entry description: The vRtrMplsTpLspPathMepEntry represents a Maintenance Endpoint for a MPLS-TP LSP protection Path. Rows are created and destroyed by the system based on the configuration of the MEP protection-type.</p> <p>Table description (for vRtrMplsTpLspPtPathMepStatTable): The vRtrMplsTpLspPtPathMepStatTable maintains the Maintenance End Points (MEPs) statistics for MPLS-TP LSP protection paths.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mplstp.PathMep</p>		
wtrTimer [Wtr Timer] (vRtrMplsTpLspPtPathMepWTRTimer)	long	The value of vRtrMplsTpLspPtPathMepWTRTimer indicates the remaining Wait-To-Restore time, in seconds, before the protection path can switch back to the working path. A value of zero (0) indicates that there is no WTR timer in effect.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplstp.Site</p>		
mplsTpLspOriginate [Mpls Tp Lsp Originate] (vRtrMplsGenMplsTpLspOriginate)	long	The value of vRtrMplsGenMplsTpLspOriginate indicates the number of MPLS TP LSPs that originate at this virtual router.
mplsTpLspTerminate [Mpls Tp Lsp Terminate] (vRtrMplsGenMplsTpLspTerminate)	long	The value of vRtrMplsGenMplsTpLspTerminate indicates the number of MPLS TP LSPs that terminate at this virtual router.

Table 270 mplsTp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsTpLspTransit [Mpls Tp Lsp Transit] (vRtrMplsGenMplsTpLspTransit)	long	The value of vRtrMplsGenMplsTpLspTransit indicates the number of MPLS TP LSPs that transit through this virtual router.
mplsTpOrigPathInst [Mpls Tp Orig Path Inst] (vRtrMplsGenMplsTpOrigPathInst)	long	The value of vRtrMplsGenMplsTpOrigPathInst indicates the number of MPLS TP LSPs originate path instances.
mplsTpTermPathInst [Mpls Tp Term Path Inst] (vRtrMplsGenMplsTpTermPathInst)	long	The value of vRtrMplsGenMplsTpTermPathInst indicates the number of MPLS TP LSPs terminated path instances.
mplsTpTranPathInst [Mpls Tp Tran Path Inst] (vRtrMplsGenMplsTpTranPathInst)	long	The value of vRtrMplsGenMplsTpTranPathInst indicates the number of MPLS TP LSPs transit path instances.
TpLspEgressStats MIB entry name: vRtrMplsLspStatisticsEntry Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored class: mplsTp.TPLsp		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.

Table 270 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.

Table 270 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.

Table 270 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.

Table 270 mplsstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 270 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TpLspGeneralStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.

Table 270 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by $(vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) \%$.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>TpLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		

Table 270 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 270 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 270 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 270 mplsstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 270 mplstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 271 msdp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMsdpNgPeerStatsEntry</p> <p>Entry description: tmnxMsdpNgPeerStatsEntry is an entry (conceptual row) in the tmnxMsdpNgPeerStatsTable. Each entry represents a MSDP peer related statistics information.</p> <p>Table description (for tmnxMsdpNgPeerStatsTable): The table tmnxMsdpNgPeerStatsTable is the statistics information related to a MSDP peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • msdp.GroupPeer • msdp.Peer 		
errorMsgsReceived [Error Msgs Received] (tmnxMsdpNgPeerStatsErrMsgsRx)	long	The value of tmnxMsdpNgPeerStatsErrMsgsRx indicates number of error messages received.
keepAliveMsgsReceived [Keep Alive Msgs Received] (tmnxMsdpNgPeerStatsKAMsgsRx)	long	The value of tmnxMsdpNgPeerStatsKAMsgsRx indicates the number of keep-alive messages received.
keepAliveMsgsSent [Keep Alive Msgs Sent] (tmnxMsdpNgPeerStatsKAMsgsSent)	long	The value of tmnxMsdpNgPeerStatsKAMsgsSent indicates the number of keep-alive messages sent.
lastMsgPeer [Last Msg Peer] (tmnxMsdpNgPeerStatsLastMsgPeer)	long	The value of tmnxMsdpNgPeerStatsLastMsgPeer indicates how long ago the last message was received from this peer instance.
lastStateChange [Last State Change] (tmnxMsdpNgPeerStatsLastStChange)	long	The value of tmnxMsdpNgPeerStatsLastStChange indicates how long ago the peer state changed.

Table 271 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTimeouts [Peer Timeouts] (tmnxMsdpNgPeerStatsPeerTimeouts)	long	The value of tmnxMsdpNgPeerStatsPeerTimeouts indicates the number of peer timeouts.
remoteCloses [Remote Closes] (tmnxMsdpNgPeerStatsRemoteCloses)	long	The value of tmnxMsdpNgPeerStatsRemoteCloses indicates the number of times the remote peer closed.
reservedMsgsReceived [Reserved Msgs Received] (tmnxMsdpNgPeerStatsResvMsgsRx)	long	The value of tmnxMsdpNgPeerStatsResvMsgsRx indicates the number of MSDP messages received with type 'Reserved'.
rpfFailures [Rpf Failures] (tmnxMsdpNgPeerStatsRPFFailures)	long	The value of tmnxMsdpNgPeerStatsRPFFailures indicates number of reverse path forwarding (RPF) failures.
saLearned [Sa Learned] (tmnxMsdpNgPeerStatsSALearnt)	long	The value of tmnxMsdpNgPeerStatsSALearnt indicates the number of unique source active entries in the cache learned from the peer.
saLimitExceeded [Sa Limit Exceeded] (tmnxMsdpNgPeerStatsActSrcLimExcd)	long	The value of tmnxMsdpNgPeerStatsActSrcLimExcd indicates the number of times the global active source limit has been exceeded by this peer instance.
saMsgsReceived [Sa Msgs Received] (tmnxMsdpNgPeerStatsSAMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAMsgsRx indicates the number of source-active messages received.
saMsgsSent [Sa Msgs Sent] (tmnxMsdpNgPeerStatsSAMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAMsgsSent indicates the number of source-active messages sent.
saRejectExportPolicy [Sa Reject Export Policy] (tmnxMsdpNgPeerStatsSARejExpPlcy)	long	The value of tmnxMsdpNgPeerStatsSARejExpPlcy indicates the number of source active messages from the peer that were not sent due to export policy.

Table 271 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saRejectImportPolicy [Sa Reject Import Policy] (tmnxMsdpNgPeerStatsSARejImpPlcy)	long	The value of tmnxMsdpNgPeerStatsSARejImpPlcy indicates the number of source active messages from the peer that were rejected due to import policy.
saRequestMsgsReceived [Sa Request Msgs Received] (tmnxMsdpNgPeerStatsSAReqMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAReqMsgsRx indicates the number of source-active request messages received.
saRequestMsgsSent [Sa Request Msgs Sent] (tmnxMsdpNgPeerStatsSAReqMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAReqMsgsSent indicates the number of source-active request messages sent.
saResponseMsgsReceived [Sa Response Msgs Received] (tmnxMsdpNgPeerStatsSAResMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAResMsgsRx indicates the number of source-active response messages received.
saResponseMsgsSent [Sa Response Msgs Sent] (tmnxMsdpNgPeerStatsSAResMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAResMsgsSent indicates the number of source-active response messages sent.
unknownMsgsReceived [Unknown Msgs Received] (tmnxMsdpNgPeerStatsUnknMsgsRx)	long	The value of tmnxMsdpNgPeerStatsUnknMsgsRx indicates the number of unknown messages received.

Table 272 multicast statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastCacChannelServiceStats MIB entry name: tmnxMcacServStatsEntry Entry description: An entry in the tmnxMcacServStatsTable Table description (for tmnxMcacServStatsTable): The tmnxMcacServStatsTable has an entry for each service protocol (igmp-snooping on sap/sdp) channel that was either accepted/discarded by the applied multicast cac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacServStatsAction)	int	The value of tmnxMcacServStatsAction indicates the action specified by the mcac policy for the service application to act upon.
algorithmReapply [Algorithm Reapply] (tmnxMcacServStatsAlgoReapply)	boolean	The value of tmnxMcacServStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the service application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacServStatsBundleAvailBW)	long	The value of tmnxMcacServStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
channelBw [Channel Bw] (tmnxMcacServStatsChannelBW)	long	The value of tmnxMcacServStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the service application.
channelRequestCount [Channel Request Count] (tmnxMcacServStatsApplyAttempts)	long	The value of tmnxMcacServStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the service application.
channelType [Channel Type] (tmnxMcacServStatsChannelType)	int	The value of tmnxMcacServStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the service application.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encapValueOrVCId [Encap Value Or VCId] (tmnxMcacServStatsEncapValue)	String	The value of tmnxMcacServStatsEncapValue indicates the SAP/SDP Encap value of which the mcac policy is applied.
interfaceAvailBw [Interface Avail Bw] (tmnxMcacServStatsIntfAvailBW)	long	The value of tmnxMcacServStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
portIdOrTunnelId [Port Id Or Tunnel Id] (tmnxMcacServStatsPortId)	String	The value of tmnxMcacServStatsPortId indicates the port Id of the SAP/SDP on which the mcac policy is applied.
reason [Reason] (tmnxMcacServStatsReason)	int	The value of tmnxMcacServStatsReason indicates the reason for the action specified by the mcac policy for the service application to act upon.
timeStamp [Time Stamp] (tmnxMcacServStatsTimeStamp)	long	The value of tmnxMcacServStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
McastCacChannelStats MIB entry name: tmnxMcacStatsEntry Entry description: An entry in the tmnxMcacStatsTable Table description (for tmnxMcacStatsTable): The tmnxMcacStatsTable has an entry for each protocol interface channel that was either accepted/discarded by the applied multicast cac policy. This table is deprecated and replaced by tmnxMcacStatsNgTable. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
action [Action] (tmnxMcacStatsAction)	int	The value of tmnxMcacStatsAction indicates the action specified by the mcac policy for the application interface to act upon.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
algorithmReapply [Algorithm Reapply] (tmnxMcacStatsAlgoReapply)	boolean	The value of tmnxMcacStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacStatsBundleAvailBW)	long	The value of tmnxMcacStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
bundleName [Bundle Name] (tmnxMcacStatsBundleName)	String	The value of tmnxMcacStatsBundleName indicates the name of the multicast CAC policy bundle. The value of tmnxMcacStatsBundleName could be an empty string, meaning that this particular statistics entry's channel did not belong to any bundle in the policy.
channelAddress [Channel Address] (tmnxMcacStatsChlAddr)	String	The value of tmnxMcacStatsChlAddr indicates the address of the multicast channel that mcac policy was applied upon when requested by the application interface. Address type is indicated by tmnxMcacStatsChlAddrType.
channelAddressType [Channel Address Type] (tmnxMcacStatsChlAddrType)	int	The value of tmnxMcacStatsChlAddrType indicates the address type of tmnxMcacStatsChlAddr.
channelBw [Channel Bw] (tmnxMcacStatsChannelBW)	long	The value of tmnxMcacStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the application interface.
channelRequestCount [Channel Request Count] (tmnxMcacStatsApplyAttempts)	long	The value of tmnxMcacStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the application.
channelType [Channel Type] (tmnxMcacStatsChannelType)	int	The value of tmnxMcacStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the application interface.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interfaceAvailBw [Interface Avail Bw] (tmnxMcacStatsIntfAvailBW)	long	The value of tmnxMcacStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
interfaceId [Interface Id] (tmnxMcacStatsIfIndex)	long	The value of tmnxMcacStatsIfIndex indicates the application interface index that has applied mcac policy.
protocolName [Protocol Name] (tmnxMcacStatsProtocolIndex)	int	The value of tmnxMcacStatsProtocolIndex indicates the application that has applied mcac policy.
reason [Reason] (tmnxMcacStatsReason)	int	The value of tmnxMcacStatsReason indicates the reason for the action specified by the mcac policy for the application interface to act upon.
timeStamp [Time Stamp] (tmnxMcacStatsTimeStamp)	long	The value of tmnxMcacStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
McastCacOper MIB entry name: tmnxMcacOperEntry Entry description: An entry in the tmnxMcacOperTable Table description (for tmnxMcacOperTable): The tmnxMcacOperTable has an entry for each protocol interface that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacOperActiveChannels)	long	The value of tmnxMcacOperActiveChannels indicates the number of active channels for this entry.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availMandBw [Avail Mand Bw] (tmnxMcacOperAvailMandBw)	long	The value of tmnxMcacOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacOperAvailOptnlBw)	long	The value of tmnxMcacOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
currConstrtlvl [Curr Constrt Lvl] (tmnxMcacOperCurrConstrtlvl)	long	The value of tmnxMcacOperCurrConstrtlvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacOperInUseMandBw)	long	The value of tmnxMcacOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacOperInUseOptnlBw)	long	The value of tmnxMcacOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this protocol interface instance.
maxBw [Max Bw] (tmnxMcacOperMaxBw)	long	The value of tmnxMcacOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
portsDown [Ports Down] (tmnxMcacOperPortsDown)	long	The value of tmnxMcacOperPortsDown indicates the the number of ports down on the application interface. This value is used to index the table tmnxMcacLagTable to get the bundle level id.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
valuesInTransit [Values In Transit] (tmnxMcacOperValuesInTransit)	boolean	The value of tmnxMcacOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacOperAvailOptnlBw tmnxMcacOperAvailMandBw tmnxMcacOperInUseMandBw tmnxMcacOperInUseOptnlBw When Multicast CAC Policy is applied on the interface for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacOperValuesInTransit will be set to 'false'. If the value of tmnxMcacOperValuesInTransit is 'true' then the values are in transition.
McastCacServOperStats MIB entry name: tmnxMcacServOperEntry Entry description: An entry in the tmnxMcacServOperTable Table description (for tmnxMcacServOperTable): The tmnxMcacServOperTable has an entry for each service application (igmp-snooping on sap/sdp) that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacServOperActiveChannels)	long	The value of tmnxMcacServOperActiveChannels indicates the number of active channels for this entry.
availMandBw [Avail Mand Bw] (tmnxMcacServOperAvailMandBw)	long	The value of tmnxMcacServOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacServOperAvailOptnlBw)	long	The value of tmnxMcacServOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currConstrLvl [Curr Constrt Lvl] (tmnxMcacServOperCurrConstrtLvl)	long	The value of tmnxMcacServOperCurrConstrtLvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacServOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacServOperInUseMandBw)	long	The value of tmnxMcacServOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacServOperInUseOptnlBw)	long	The value of tmnxMcacServOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this service application on sap/sdp instance.
maxBw [Max Bw] (tmnxMcacServOperMaxBw)	long	The value of tmnxMcacServOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.
portsDown [Ports Down] (tmnxMcacServOperPortsDown)	long	The value of tmnxMcacServOperPortsDown indicates the the number of ports down on the service application on sap/sdp. This value is used to index the table tmnxMcacLagTable to get the bundle level id.
valuesInTransit [Values In Transit] (tmnxMcacServOperValuesInTransit)	boolean	The value of tmnxMcacServOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacServOperAvailOptnlBw tmnxMcacServOperAvailMandBw tmnxMcacServOperInUseMandBw tmnxMcacServOperInUseOptnlBw When Multicast CAC Policy is applied on the sap/sdp for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacServOperValuesInTransit will be set to 'false'. If the value of tmnxMcacServOperValuesInTransit is 'true' then the values are in transition.

Table 272 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastReportDestinationStats</p> <p>MIB entry name: tmnxMcPathRprtDestEntry</p> <p>Entry description: Each row entry represents a particular multicast reporting destination. Entries are created/deleted by the user.</p> <p>Table description (for tmnxMcPathRprtDestTable): The tmnxMcPathRprtDestTable has an entry for each multicast reporting destination configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastReportDestination</p>		
framesLost [Frames Lost] (tmnxMcPathRprtDestFrmsLost)	long	The value of tmnxMcPathRprtDestFrmsLost specifies the number of frames lost for this mcast reporting destination.
framesSent [Frames Sent] (tmnxMcPathRprtDestFrmsSent)	long	The value of tmnxMcPathRprtDestFrmsSent specifies the number of frames sent to this mcast reporting destination.
recordsLost [Records Lost] (tmnxMcPathRprtDestRecsLost)	long	The value of tmnxMcPathRprtDestRecsLost specifies the number of records lost for this mcast reporting destination.
recordsSent [Records Sent] (tmnxMcPathRprtDestRecsSent)	long	The value of tmnxMcPathRprtDestRecsSent specifies the number of records sent to this mcast reporting destination.

Table 273 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McEPPeerStats</p> <p>MIB entry name: tmnxMcEPPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcEPPeerStatsTable): The tmnxMcEPPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisEndpoint</p>		
configPacketsReceived [Config Packets Received] (tmnxMcEPPeerStatsPktsRxConfig)	long	The value of tmnxMcEPPeerStatsPktsRxConfig indicates how many valid MC-Endpoint control packets of type end-point config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcEPPeerStatsDropMD5)	long	The value of tmnxMcEPPeerStatsDropMD5 indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcEPPeerStatsPktsTxFailed)	long	The value of tmnxMcEPPeerStatsPktsTxFailed indicates how many MC-Endpoint control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlId)	long	The value of tmnxMcEPPeerStatsDropTlvInvlId indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis end-point.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlSz)	long	The value of tmnxMcEPPeerStatsDropTlvInvlSz indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet size was invalid.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcEPPeerStatsPktsRxKpalive)	long	The value of tmnxMcEPPeerStatsPktsRxKpalive indicates how many valid MC-Endpoint control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcEPPeerStatsPktsTxKpalive)	long	The value of tmnxMcEPPeerStatsPktsTxKpalive indicates how many MC-Endpoint control packets of type keepalive were transmitted from this system to the peer.
noEpPeerPacketsDropped [No Ep Peer Packets Dropped] (tmnxMcEPPeerStatsDropEpNoPeer)	long	The value of tmnxMcEPPeerStatsDropEpNoPeer indicates how many pkts were dropped because MC-Endpoint does not have a MC-peer assigned yet or MC-Endpoint is attached to a different peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcEPPeerStatsDropOutOfSeq)	long	The value of tmnxMcEPPeerStatsDropOutOfSeq indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcEPPeerStatsPktsRx)	long	The value of tmnxMcEPPeerStatsPktsRx indicates how many valid MC-Endpoint control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcEPPeerStatsPktsTx)	long	The value of tmnxMcEPPeerStatsPktsTx indicates how many MC-Endpoint control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcEPPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsRxPeerCfg indicates how many valid MC-Endpoint control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcEPPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsTxPeerCfg indicates how many MC-Endpoint control packets of type peer config were transmitted from this system to the peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcEPPeerStatsDropStateDsblnd)	long	The value of tmnxMcEPPeerStatsDropStateDsblnd indicates how many MC-Endpoint control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcEPPeerStatsPktsRxState)	long	The value of tmnxMcEPPeerStatsPktsRxState indicates how many valid MC-Endpoint control packets of type end-point state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcEPPeerStatsDropPktTooShrt)	long	The value of tmnxMcEPPeerStatsDropPktTooShrt indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcEPPeerStatsDropUnknownTlv)	long	The value of tmnxMcEPPeerStatsDropUnknownTlv indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>McPeerIPSecTunnelGroupStats MIB entry name: tMcPeerTnlGrpStatEntry Entry description: Each row entry represents a particular ipsec tunnel statistics group of multi-chassis peer. Table description (for tMcPeerTnlGrpStatTable): The tMcPeerTnlGrpStatTable has statistics entry for each ipsec tunnel group specific to multi-chassis peer configured on this system. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.McPeerIPSecTunnelGroup</p>		
dynamicAwaitConf [Dynamic Await Conf] (tMcPeerTnlGrpStatDynAwaitConf)	long	The value of tMcPeerTnlGrpStatDynAwaitConf indicates the number of dynamic multi-chassis tunnel awaiting configuration on this tunnel-group to be synchronized on this multi-chassis peer.
dynamicFailed [Dynamic Failed] (tMcPeerTnlGrpStatDynFailed)	long	The value of tMcPeerTnlGrpStatDynFailed indicates the number of dynamic multi-chassis tunnel failed to install on this tunnel-group to be synchronized on this multi-chassis peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynamicInstalled [Dynamic Installed] (tMcPeerTnlGrpStatDynInstalled)	long	The value of tMcPeerTnlGrpStatDynInstalled indicates the number of dynamic multi-chassis tunnel installed on this tunnel-group to be synchronized on this multi-chassis peer.
dynamicInstalling [Dynamic Installing] (tMcPeerTnlGrpStatDynInstalling)	long	The value of tMcPeerTnlGrpStatDynInstalling indicates the number of dynamic multi-chassis tunnel being installed on this tunnel-group to be synchronized on this multi-chassis peer.
staticAwaitConf [Static Await Conf] (tMcPeerTnlGrpStatAwaitConf)	long	The value of tMcPeerTnlGrpStatAwaitConf indicates the number of static multi-chassis tunnel awaiting configuration on this tunnel-group to be synchronized on this multi-chassis peer.
staticFailed [Static Failed] (tMcPeerTnlGrpStatFailed)	long	The value of tMcPeerTnlGrpStatFailed indicates the number of static multi-chassis tunnel failed to install on this tunnel-group to be synchronized on this multi-chassis peer.
staticInstalled [Static Installed] (tMcPeerTnlGrpStatInstalled)	long	The value of tMcPeerTnlGrpStatInstalled indicates the number of static multi-chassis tunnel installed on this tunnel-group to be synchronized on this multi-chassis peer.
staticInstalling [Static Installing] (tMcPeerTnlGrpStatInstalling)	long	The value of tMcPeerTnlGrpStatInstalling indicates the number of static multi-chassis tunnel being installed on this tunnel-group to be synchronized on this multi-chassis peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McWppPeerStats</p> <p>MIB entry name: tmnxMcWppPeerStatsEntry</p> <p>Entry description: Each conceptual row represents multi-chassis WPP peer statistics of a specific instance. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxMcWppPeerStatsTable): The tmnxMcWppPeerStatsTable shows multi-chassis WPP peer statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
noResources [No Resources] (tmnxMcWppPeerStatsVal)	long	The value of the object tmnxMcWppPeerStatsVal indicates the value of the statistics contained in this conceptual row.
statsInstance [Stats Instance] (tmnxMcWppPeerStatsInstance)	long	The value of the object tmnxMcWppPeerStatsInstance indicates the instance identifier of the statistics contained in this conceptual row.
<p>McsClientAppStats</p> <p>MIB entry name: tmnxMcsClientAppEntry</p> <p>Entry description: Each row entry represents a particular multi-chassis peer synchronization protocol application. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcsClientAppTable): The tmnxMcsClientAppTable has an entry for each application using the multi-chassis peer synchronization protocol configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
alarmedEntries [Alarmed Entries] (tmnxMcsClientAlarmedEntries)	long	The value of tmnxMcsClientAlarmedEntries indicates the number of alarmed entries in the MCS database per multi-chassis peer for a particular application. Entries with an alarm are entries that are not being used by the local client application due to resource constraints.
application [Application] (tmnxMcsClientApplication)	int	The value of tmnxMcsClientApplication indicates the type of application using multi-chassis synchronization.
lclDeletedEntries [Lcl Deleted Entries] (tmnxMcsClientLclDeletedEntries)	long	The value of tmnxMcsClientLclDeletedEntries indicates the number of locally deleted entries in the MCS database per multi-chassis peer for a particular application. Locally deleted entries are entries that are not being used by the local MCS client application.
numEntries [Num Entries] (tmnxMcsClientNumEntries)	long	The value of tmnxMcsClientNumEntries indicates the total number of entries in the MCS database per multi-chassis peer for a particular application.
omcrAlarmedEntries [Omcr Alarmed Entries] (tmnxMcsClientOmcrAlarmed)	long	The value of tmnxMcsClientOmcrAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries in the MCS database of this multi-chassis peer for this particular application.
omcrStandbyEntries [Omcr Standby Entries] (tmnxMcsClientOmcrStandby)	long	The value of tmnxMcsClientOmcrStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries in the MCS database of this multi-chassis peer for this particular application.
remAlarmedEntries [Rem Alarmed Entries] (tmnxMcsClientRemAlarmedEntries)	long	The value of tmnxMcsClientRemAlarmedEntries indicates the number of alarmed entries in the MCS database on the multi-chassis peer for a particular application. Entries with an alarm are entries that are not being used by the remote client application due to resource constraints.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remLclDelEntries [Rem Lcl Del Entries] (tmnxMcsClientRemLclDelEntries)	long	The value of tmnxMcsClientRemLclDelEntries indicates the number of locally deleted entries in the MCS database on the multi-chassis peer for a particular application. Locally deleted entries are entries that are not being used by the remote MCS client application.
remNumEntries [Rem Num Entries] (tmnxMcsClientRemNumEntries)	long	The value of tmnxMcsClientRemNumEntries indicates the total number of entries in the MCS database on the multi-chassis peer for a particular application.
remOmcrAlarmedEntries [Rem Omcr Alarmed Entries] (tmnxMcsClientOmcrRemAlarmed)	long	The value of tmnxMcsClientOmcrRemAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries for this particular application reported by the remote MCR system.
remOmcrStandbyEntries [Rem Omcr Standby Entries] (tmnxMcsClientOmcrRemStandby)	long	The value of tmnxMcsClientOmcrRemStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries for this particular application reported by the remote MCR system.
<p>MultiChassisPeerRingStats</p> <p>MIB entry name: tmnxMcrPeerStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer.</p> <p>Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.
<p>MultiChassisRingNodeStats MIB entry name: tmnxMcrRingNodeStatsEntry Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system. Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRingNode</p>		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rcvPacketsReceived [Rcv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.
rcvPacketsRoundTripTime [Rcv Packets Round Trip Time] (tmnxMcrRingNodeStatsRncvRtTime)	long	The value of tmnxMcrRingNodeStatsRncvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRncvRtTime is zero.
rcvPacketsTransmitted [Rcv Packets Transmitted] (tmnxMcrRingNodeStatsRncvTxReq)	long	The value of tmnxMcrRingNodeStatsRncvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisRingStats</p> <p>MIB entry name: tmnxMcrRingStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer.</p> <p>Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisRing</p>		
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 273 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 274 nat statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaMemberUsageStats</p> <p>MIB entry name: tmnxNatIsaMemberEntry</p> <p>Entry description: Each conceptual row contains status and basic statistics information about a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatIsaMemberTable): The tmnxNatIsaMemberTable contains status and statistics information about the members of a NAT-capable ISA Group. A member of a NAT ISA Group can be mapped to a physical NAT ISA MDA.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.IsaMda • nat.IsaMember 		
priSessions [Pri Sessions] (tmnxNatIsaMemberSessionsPrio)	long	The value of tmnxNatIsaMemberSessionsPrio indicates the current number of active prioritized sessions of the MDA associated with this member.
sessionUsage [Session Usage] (tmnxNatIsaMemberSessionUsage)	long	The value of tmnxNatIsaMemberSessionUsage indicates the session usage of the MDA associated with this member.
sessionUsageHi [Session Usage Hi] (tmnxNatIsaMemberSessionUsageHi)	int	The value of tmnxNatIsaMemberSessionUsageHi indicates if the session usage of the MDA associated with this member is high according to the values of the objects tmnxNatGrpCfg-SessionWatermarkHi and tmnxNatGrpCfgSessionWatermarkLo.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AwSubscriberStats</p> <p>MIB entry name: tmnxNatL2AwSubStatEntry</p> <p>Entry description: Each conceptual row represents a Layer-2-Aware NAT subscriber. Entries in this table are created and destroyed automatically by the system.</p> <p>Table description (for tmnxNatL2AwSubStatTable): The tmnxNatL2AwSubStatTable contains status and basic statistics information about Layer-2-Aware NAT subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.L2AwSubscriber</p>		
icmpPortUsage [Icmp Port Usage] (tmnxNatL2AwSubStatIcmpPortUsage)	int	The value of the object tmnxNatL2AwSubStatIcmpPortUsage indicates the ICMP port usage of this NAT subscriber.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatL2AwSubStatIcmpPortUsageH)	boolean	The value of the object tmnxNatL2AwSubStatIcmpPortUsageH indicates if the ICMP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
residentialSubscriber [Residential Subscriber] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
sessionUsage [Session Usage] (tmnxNatL2AwSubStatSessionUsage)	int	The value of the object tmnxNatL2AwSubStatSessionUsage indicates the session usage of this NAT subscriber.
sessions [Sessions] (tmnxNatL2AwSubStatSessions)	int	The value of tmnxNatL2AwSubStatSessions indicates the current number of active sessions of this NAT subscriber. In other words, it is the number of ports in use out of the nonreserved range.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionsPrio [Sessions Prio] (tmnxNatL2AwSubStatSessionsPrio)	int	The value of tmnxNatL2AwSubStatSessionsPrio indicates the current number of active prioritized sessions of this subscriber. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatL2AwSubStatTcpPortUsage)	int	The value of the object tmnxNatL2AwSubStatTcpPortUsage indicates the TCP port usage of this NAT subscriber.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatL2AwSubStatTcpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatTcpPortUsageHi indicates if the TCP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
udpPortUsage [Udp Port Usage] (tmnxNatL2AwSubStatUdpPortUsage)	int	The value of the object tmnxNatL2AwSubStatUdpPortUsage indicates the UDP port usage of this NAT subscriber.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatL2AwSubStatUdpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatUdpPortUsageHi indicates if the UDP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
<p>NatIsaMdaStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMda</p>		

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
icmpFragmentedError [Icmp Fragmented Error] (tmnxNatlsaMdaStatsValue)	java. math. BigInte- ger	The value of the object tmnxNatlsaMdaStatsValue indicates the value of the statistics contained in this conceptual row.
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
mdaStatsType [Mda Stats Type] (tmnxNatlsaMdaStatsType)	int	The value of tmnxNatlsaMdaStatsType indicates the type of NAT session statistics contained in this conceptual row.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NatIsaMemberResrcStats</p> <p>MIB entry name: tmnxNatIsaMemberResrcEntry</p> <p>Entry description: Each conceptual row contains the name and statistics value of a particular resource of a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatIsaMemberResrcTable): The tmnxNatIsaMemberResrcTable contains detailed statistics information about the resources of a member of a NAT ISA Group. The typical usage of this table is to fill in the part of the index that identifies a member, and perform a partial walk to get all the resources statistics applicable to that member.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMember</p>		
flowlogPcktsSet2Applicable [Flowlog Pckts Set 2 Applicable] (tmnxNatIsaMemberResrcApplicable)	boolean	The value of the object tmnxNatIsaMemberResrcApplicable indicates if the resource statistics contained in this conceptual row are applicable. Depending on the configuration of the NAT ISA group, in particular while the value of tmnxNatIsaGrpRedundancy is equal to 'activeActive', some resources may actually be associated with the ISA MDA physically, rather than with the group member; in that case, the information can be found in the tmnxNatIsaMdaStatsTable.
flowlogPcktsSet2Val [Flowlog Pckts Set 2 Val] (tmnxNatIsaMemberResrcVal)	java. math. BigInteger	The value of the object tmnxNatIsaMemberResrcVal indicates the actual value of the resource statistics contained in this conceptual row.
flowlogPcktsSet2ValMax [Flowlog Pckts Set 2 Val Max] (tmnxNatIsaMemberResrcValMax)	java. math. BigInteger	The value of the object tmnxNatIsaMemberResrcValMax indicates the maximum available value of the resource statistics contained in this conceptual row.
groupNumber [Group Number] (tmnxNatIsaGrpId)	int	The value of the object tmnxNatIsaGrpId specifies the identifier of the NAT Integrated Service Adaptor group.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
resourceId [Resource Id] (tmnxNatlsaMemberResrcId)	int	The value of tmnxNatlsaMemberResrcId indicates the identifier of this conceptual row. It is a meaningless number generated by the system as identifier of this conceptual row.
<p>NatlsaMemberStats</p> <p>MIB entry name: tmnxNatlsaMemberStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatlsaMemberStatsTable): The tmnxNatlsaMemberStatsTable contains detailed statistics information about the members of a NAT-capable ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMember</p>		
icmpFragmentedError [Icmp Fragmented Error] (tmnxNatlsaMemberStatsValue)	java. math. BigInteger	The value of the object tmnxNatlsaMemberStatsValue indicates the value of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatlsaMemberStatsType)	int	The value of tmnxNatlsaMemberStatsType indicates the type of NAT session statistics contained in this conceptual row.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NatlsaResourceStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMda</p>		
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
statsId [Stats Id] (tmnxNatlsaResrcStatsId)	int	The value of tmnxNatlsaResrcStatsId indicates the identifier of this conceptual row. It is a meaningless number generated by the system as identifier of this conceptual row.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsLimited [Stats Limited] (tmnxNatlsaResrcStatsLimited)	boolean	The value of the object tmnxNatlsaResrcStatsLimited indicates if the value of tmnxNatlsaResrcStatsValMax is actually limited to the fraction indicated for this MDA by the value of tmnxNatlsaMdaStatResrcAllocated.
statsMaxValue [Stats Max Value] (tmnxNatlsaResrcStatsValMax)	java. math. BigInteger	The value of the object tmnxNatlsaResrcStatsValMax indicates the maximum available value of the resource statistics contained in this conceptual row.
statsName [Stats Name] (tmnxNatlsaResrcStatsName)	String	The value of the object tmnxNatlsaResrcStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatlsaResrcStatsVal)	java. math. BigInteger	The value of the object tmnxNatlsaResrcStatsVal indicates the actual value of the resource statistics contained in this conceptual row.
<p>NatPolicyStats MIB entry name: tmnxCardEntry Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal. Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • nat.IsaMda • nat.NatPolicy </p>		

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
policyName [Policy Name] (tmnxNatPlcyName)	String	The value of tmnxNatPlcyName specifies the name of this NAT policy.
statsName [Stats Name] (tmnxNatPlcyStatsName)	String	The value of the object tmnxNatPlcyStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatPlcyStatsType)	int	The value of tmnxNatPlcyStatsType indicates the type of NAT usage statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatPlcyStatsVal)	long	The value of the object tmnxNatPlcyStatsVal indicates the value of the statistics contained in this conceptual row.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NatPoolL2AwStats</p> <p>MIB entry name: tmnxNatPIL2AwEntry</p> <p>Entry description: Each conceptual row represents a Layer-2-Aware NAT address pool. Entries in this table are automatically created and deleted by the system.</p> <p>Table description (for tmnxNatPIL2AwTable): The tmnxNatPIL2AwTable contains information about the Layer-2-Aware NAT address pools.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.NatPool</p>		
blkUsage [Blk Usage] (tmnxNatPIL2AwBlockUsage)	long	The value of the object tmnxNatPIL2AwBlockUsage indicates the block usage of this Layer-2-Aware NAT address pool.
blkUsageHi [Blk Usage Hi] (tmnxNatPIL2AwBlockUsageHi)	boolean	The value of the object tmnxNatPIL2AwBlockUsageHi indicates if the block usage of this Layer-2-Aware NAT address pool is high according to the values of the objects tmnxNatPIWatermarkHigh and tmnxNatPIWatermarkLow.
vrtrId [Vrtr Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NatPoolLsnStats</p> <p>MIB entry name: tmnxNatPILsnMemberEntry</p> <p>Entry description: Each conceptual row represents Large Scale NAT address pool information in a NAT ISA group member. Entries in this table are automatically created and deleted by the system.</p> <p>Table description (for tmnxNatPILsnMemberTable): The tmnxNatPILsnMemberTable contains information about the Large Scale NAT address pools per ISA group member.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.NatPool</p>		
mbrBlockUsage [Mbr Block Usage] (tmnxNatPILsnMemberBlockUsage)	long	The value of the object tmnxNatPILsnMemberBlockUsage indicates the block usage of this Large Scale NAT address pool.
mbrBlockUsageHi [Mbr Block Usage Hi] (tmnxNatPILsnMemberBlockUsageHi)	boolean	The value of the object tmnxNatPILsnMemberBlockUsageHi indicates if the block usage of this Large Scale NAT address pool is high according to the values of the objects tmnxNatPIWatermarkHigh and tmnxNatPIWatermarkLow.
mbrIsaGrpId [Mbr Isa Grp Id] (tmnxNatPILsnMemberIsaGrpId)	int	The value of the object tmnxNatPILsnMemberIsaGrpId indicates the identifier of the NAT Integrated Service Adaptor group where this member belongs to.
natIsaMbrID [Nat Isa Mbr ID] (tmnxNatIsaMemberId)	int	The value of the object tmnxNatIsaMemberId indicates the identifier of this NAT ISA Group member.
natPIName [Nat PI Name] (tmnxNatPIName)	String	The value of tmnxNatPIName specifies the name of this NAT address pool.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vrtrId [Vrtr Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>NatReassemblyStats</p> <p>MIB entry name: tmnxNatReassemblyStatsEntry</p> <p>Entry description: Each conceptual row contains reassembly statistics information about a member of a NAT-capable ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatReassemblyStatsTable): The tmnxNatReassemblyStatsTable contains statistics information about IP datagram reassembly on NAT-capable ISA Groups. Note that the IP reassembly function can be activated while the NAT function is not.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMember</p>		
statsName [Stats Name] (tmnxNatReassemblyStatsName)	String	The value of the object tmnxNatReassemblyStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatReassemblyStatsType)	int	The value of tmnxNatReassemblyStatsType indicates the type of IP datagram reassembly statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatReassemblyStatsVal)	java. math. BigInteger	The value of the object tmnxNatReassemblyStatsVal indicates the statistics value contained in this conceptual row.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PcpServerInterfaceStats</p> <p>MIB entry name: vRtrIfEntry</p> <p>Entry description: Each row entry represents a virtual router interface in the system. Entries can be created and deleted via SNMP SET operations using the vRtrIfRowStatus variable.</p> <p>Table description (for vRtrIfTable): The vRtrIfTable has an entry for each router interface configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.PcpServerInterface</p>		
pcpSrvIfIndex [Pcp Srv If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the TmNx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pcpSrvIfStatsName [Pcp Srv If Stats Name] (tmnxNatPcpSrvIfStatsName)	String	The value of the object tmnxNatPcpSrvIfStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
pcpSrvIfStatsType [Pcp Srv If Stats Type] (tmnxNatPcpSrvIfStatsType)	int	The value of tmnxNatPcpSrvIfStatsType indicates the type of PCP statistics contained in this conceptual row. It is merely a numerical index, the meaning of the PCP statistics in this conceptual row is indicated by the value of the object tmnxNatPcpSrvIfStatsName.
pcpSrvIfStatsVal [Pcp Srv If Stats Val] (tmnxNatPcpSrvIfStatsVal)	java. math. BigInteger	The value of the object tmnxNatPcpSrvIfStatsVal indicates the value of the statistics contained in this conceptual row.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcpSrvName [Pcp Srv Name] (tmnxNatPcpSrvName)	String	The value of tmnxNatPcpSrvName specifies the name of this PCP server.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>QueryBasedLsnSubscriberStats</p> <p>MIB entry name: tmnxNatQryLsnSubResEntry</p> <p>Entry description: Each conceptual row represents a Large Scale NAT subscriber. Conceptual rows in this table are created and destroyed automatically by the system. Conceptual rows in this table are volatile: they are lost upon reboot or switchover. The system creates rows in this table as a result of the creation of a row in the query table tmnxNatQryLsnSubTable, and destroys them when that row is destroyed.</p> <p>Table description (for tmnxNatQryLsnSubResTable): The tmnxNatQryLsnSubResTable contains the results of one or more queries for LSN subscribers.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.ClassicLsnHost • nat.DsLiteSubscriber • nat.Nat64Subscriber 		
icmpPortUsage [Icmp Port Usage] (tmnxNatQryLsnSubResIcmpPortUsg)	int	The value of the object tmnxNatQryLsnSubResIcmpPortUsg indicates the ICMP port usage of this NAT subscriber and policy.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatQryLsnSubResIcmpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResIcmpPortUsgHi indicates if the ICMP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lsnSubId [Lsn Sub Id] (tmnxNatQryLsnSubResId)	long	The value of tmnxNatQryLsnSubResId indicates the identifier of this Large Scale NAT subscriber.
sessionUsage [Session Usage] (tmnxNatQryLsnSubResSessionUsg)	int	The value of the object tmnxNatQryLsnSubResSessionUsg indicates the session usage of this NAT subscriber and policy.
sessionUsageHi [Session Usage Hi] (tmnxNatQryLsnSubResSessionUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResSessionUsgHi indicates if the session usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcySessionWatermarkHigh and tmnxNatPlcySessionWatermarkLow.
sessions [Sessions] (tmnxNatQryLsnSubResSessions)	int	The value of tmnxNatQryLsnSubResSessions indicates the current number of active sessions of this NAT subscriber and policy. In other words, it is the number of ports in use out of the nonreserved range.
sessionsPeak [Sessions Peak] (tmnxNatQryLsnSubResSessionsPeak)	int	The value of tmnxNatQryLsnSubResSessionsPeak indicates the maximum number of sessions that were active together up to this point in time.
sessionsPrio [Sessions Prio] (tmnxNatQryLsnSubResSessionsPrio)	int	The value of tmnxNatQryLsnSubResSessionsPrio indicates the current number of active prioritized sessions of this subscriber and policy. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatQryLsnSubResTcpPortUsg)	int	The value of the object tmnxNatQryLsnSubResTcpPortUsg indicates the TCP port usage of this NAT subscriber and policy.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatQryLsnSubResTcpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResTcpPortUsgHi indicates if the TCP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
udpPortUsage [Udp Port Usage] (tmnxNatQryLsnSubResUdpPortUsg)	int	The value of the object tmnxNatQryLsnSubResUdpPortUsg indicates the UDP port usage of this NAT subscriber and policy.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatQryLsnSubResUdpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResUdpPortUsgHi indicates if the UDP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
<p>UpnpPolicyMappingStats</p> <p>MIB entry name: tmnxNatUpnpPlcyStatEntry</p> <p>Entry description: Each conceptual row contains general status and statistics information about a UPnP IGD function in a virtual router instance. Entries in this table are created and removed automatically by the system; creation and deletion of a conceptual row in the tmnxNatUpnpPlcyTable automatically results creation and deletion of the corresponding row in this table.</p> <p>Table description (for tmnxNatUpnpPlcyStatTable): The tmnxNatUpnpPlcyStatTable contains general status and statistics information about the Universal Plug 'n Play (UPnP) Internet Gateway Device (IGD) operation.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.UpnpPolicy</p>		
activeMappings [Active Mappings] (tmnxNatUpnpPlcyStatActMappings)	long	The value of the object tmnxNatUpnpPlcyStatActMappings indicates the number of active UPnP mappings associated with this server.
policyName [Policy Name] (tmnxNatUpnpPlcyName)	String	The value of tmnxNatUpnpPlcyName specifies the name of this UPnP policy.
subscribers [Subscribers] (tmnxNatUpnpPlcyStatSubscr)	long	The value of the object tmnxNatUpnpPlcyStatSubscr indicates the number of subscribers associated with this server.

Table 274 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subscribersMapped [Subscribers Mapped] (tmnxNatUpnpPlcyStatSubscrMapped)	long	The value of the object tmnxNatUpnpPlcyStatSubscrMapped indicates the number of subscribers with UPnP mappings associated with this server.
<p>UpnpPolicyStats</p> <p>MIB entry name: tmnxNatUpnpPlcyStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about a UPnP IGD function in a virtual router instance. Entries in this table are created and removed automatically by the system, only for virtual router instances where a row exists in the tmnxNatUpnpPlcyTable.</p> <p>Table description (for tmnxNatUpnpPlcyStatsTable): The tmnxNatUpnpPlcyStatsTable contains detailed statistics information about the Universal Plug 'n Play (UPnP) Internet Gateway Device (IGD) operation. The typical usage of this table is to fill in the part of the index that identifies a virtual router instance, and perform a partial walk to get all the statistics applicable to that virtual router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.UpnpPolicy</p>		
dropRateLimited [Drop Rate Limited] (tmnxNatUpnpPlcyStatsVal)	java. math. BigInteger	The value of the object tmnxNatUpnpPlcyStatsVal indicates the value of the statistics contained in this conceptual row.
policyName [Policy Name] (tmnxNatUpnpPlcyName)	String	The value of tmnxNatUpnpPlcyName specifies the name of this UPnP policy.
statsId [Stats Id] (tmnxNatUpnpPlcyStatsId)	long	The value of tmnxNatUpnpPlcyStatsId indicates the identifier of the UPnP IGD statistics contained in this conceptual row. It is a meaningless number generated by this system.

Table 275 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
NEBgpAutoRdStats MIB entry name: svcBgpAutoRDType1Group Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
svcBgpAutoRDType1InUse [Svc Bgp Auto RDType 1 In Use] (svcBgpAutoRDType1InUse)	long	The value of svcBgpAutoRDType1InUse indicates number of community values in use for this entry.
SnmplnASNParseErrs MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sglSnmplnGetBulks [Sgl Snmp In Get Bulks] (sglSnmplnGetBulks)	long	The value of sglSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [SnmplnASNParseErrs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.

Table 275 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.

Table 275 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 276 openflow statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFChannelStats</p> <p>MIB entry name: tmnxOFChannelStatsEntry</p> <p>Entry description: The value of tmnxOFChannelStatsEntry specifies statistics information for the various packets exchanged between an open-flow switch and the controller.</p> <p>Table description (for tmnxOFChannelStatsTable): The tmnxOFChannelStatsTable contains channel statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFChannelTable</p>		
pktsErr [Pkts Err] (tmnxOFChannelPacketErr)	java. math. BigInteger	The value of tmnxOFChannelPacketErr indicates the total number of error packets exchanged by open-flow switch specified by tmnxOFSwitchName with the controller.
pktsRx [Pkts Rx] (tmnxOFChannelPacketRx)	java. math. BigInteger	The value of tmnxOFChannelPacketRx indicates the total number of packets received by an open-flow switch specified by tmnxOFSwitchName.
pktsTx [Pkts Tx] (tmnxOFChannelPacketTx)	java. math. BigInteger	The value of tmnxOFChannelPacketTx indicates the total number of packets transmitted by an open-flow switch specified by tmnxOFSwitchName.
pktsType [Pkts Type] (tmnxOFChannelPacketType)	int	The value of tmnxOFChannelPacketType specifies the packet type exchanged between an open-flow switch and the controller.

Table 276 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFPortStats</p> <p>MIB entry name: tmnxOFPortStatsEntry</p> <p>Entry description: The value of tmnxOFPortStatsEntry specifies statistics information related to port associated with an open-flow switch.</p> <p>Table description (for tmnxOFPortStatsTable): The tmnxOFPortStatsTable contains port statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFPortDescription</p>		
portId [Port Id] (tmnxOFPortID)	long	The value of tmnxOFPortID specifies the port identifier for uniquely identifying a port within an open-flow switch instance specified by tmnxOFSwitchName.
portName [Port Name] (tmnxOFPortName)	String	The value of tmnxOFPortName indicates the textual name of the interface. The value of this object should be the name of the interface as assigned by the open-flow switch.
portTxBytes [Port Tx Bytes] (tmnxOFPortTxBytes)	java. math. BigInteger	The value of tmnxOFPortTxBytes indicates the total number of bytes transmitted by this open-flow port.
portTxPkts [Port Tx Pkts] (tmnxOFPortTxPackets)	java. math. BigInteger	The value of tmnxOFPortTxPackets indicates the total number of packets transmitted by this open-flow port.

Table 276 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portType [Port Type] (tmnxOFPortType)	int	The value of tmnxOFPortType indicates the port-type for port identifier specified by tmnxOFPortID. openFlowPhysicalPort (1) - corresponds to hardware interface of an open-flow switch. openFlowLogicalPort (2) - corresponds to higher level abstractions defined by an open-flow switch (e.g. link aggregation groups, tunnels, loopback interfaces). openFlowReservedPort (3) - specifies generic forwarding actions such as sending to the controller, flooding, or forwarding using non open-flow methods, such as 'normal' switch processing.

Table 277 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddr)	long	The value of tmnxOspfNglfBadDstAddr indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamIfEvents)	long	The value of tmnxOspfShamIfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 277 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 278 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 278 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 278 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 278 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 278 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 278 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 279 pcep statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PcepPeerAdditionalStats</p> <p>MIB entry name: tmnxPcepPeerStatsEntry</p> <p>Entry description: The value of tmnxPcepPeerStatsEntry represents statistics information about a single peer which spans all PCEP sessions to that peer.</p> <p>Table description (for tmnxPcepPeerStatsTable): The tmnxPcepPeerStatsTable contains statistics information about peers known by the PCEP entity.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pcep.PcepPccPeer</p>		
numberPCRptReceived [Number PCRpt Received] (tmnxPcepPeerNumPCRptRcvd)	long	The value of tmnxPcepPeerNumPCRptRcvd indicates the number of PCRpt messages received from this peer.
numberPCRptSent [Number PCRpt Sent] (tmnxPcepPeerNumPCRptSent)	long	The value of tmnxPcepPeerNumPCRptSent indicates the number of PCRpt messages sent to this peer.
numberPCUpdReceived [Number PCUpd Received] (tmnxPcepPeerNumPCUpdRcvd)	long	The value of tmnxPcepPeerNumPCUpdRcvd indicates the number of PCUpd messages received from this peer.
numberPCUpdSent [Number PCUpd Sent] (tmnxPcepPeerNumPCUpdSent)	long	The value of tmnxPcepPeerNumPCUpdSent indicates the number of PCUpd messages sent to this peer.
numberRptReceived [Number Rpt Received] (tmnxPcepPeerNumRptRcvd)	long	The value of tmnxPcepPeerNumRptRcvd indicates the number of report messages received from this peer. This might be greater than tmnxPcepPeerNumPCRptRcvd because multiple requests can be batched into a single PCRpt message.

Table 279 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberRptSent [Number Rpt Sent] (tmnxPcepPeerNumRptSent)	long	The value of tmnxPcepPeerNumRptSent indicates the number of report messages sent to this peer. This might be greater than tmnxPcepPeerNumPCRptSent because multiple requests can be batched into a single PCRpt message.
peerAddress [Peer Address] (tmnxPcepPeerAddr)	String	The value of tmnxPcepPeerAddr specifies the Internet address of the peer.
<p>PcepPeerStats MIB entry name: pcePcepPeerEntry Entry description: Information about a single peer that spans all PCEP sessions to that peer. Table description (for pcePcepPeerTable): This table contains information about peers known by the local PCEP entity. The entries in this table are read-only. This table gives peer information that spans PCEP sessions. Information about current PCEP sessions can be found in the pcePcepSessTable table. Supports realtime plotting Supports scheduled collection Monitored class: pcep.PcepPccPeer</p>		
numberKeepAliveReceived [Number Keep Alive Received] (pcePcepPeerNumKeepaliveRcvd)	long	The number of Keepalive messages received from this peer.
numberKeepAliveSent [Number Keep Alive Sent] (pcePcepPeerNumKeepaliveSent)	long	The number of Keepalive messages sent to this peer.
numberPCErrorReceived [Number PCError Received] (pcePcepPeerNumPCErrRcvd)	long	The number of PCErr messages received from this peer.
numberPCErrorSent [Number PCError Sent] (pcePcepPeerNumPCErrSent)	long	The number of PCErr messages sent to this peer.

Table 279 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberPCNotificationSent [Number PCNotification Sent] (pcePcepPeerNumPCNtfSent)	long	The number of PCNtf messages sent to this peer.
numberPCNotificionReceived [Number PCNotificion Received] (pcePcepPeerNumPCNtfRcvd)	long	The number of PCNtf messages received from this peer.
numberPCReplyReceived [Number PCReply Received] (pcePcepPeerNumPCRepRcvd)	long	The number of PCRep messages received from this peer.
numberPCReplySent [Number PCReply Sent] (pcePcepPeerNumPCRepSent)	long	The number of PCRep messages sent to this peer.
numberPCRequestReceived [Number PCRequest Received] (pcePcepPeerNumPCReqRcvd)	long	The number of PCReq messages received from this peer.
numberPCRequestSent [Number PCRequest Sent] (pcePcepPeerNumPCReqSent)	long	The number of PCReq messages sent to this peer.
numberRequestReceived [Number Request Received] (pcePcepPeerNumReqRcvd)	long	The number of requests received from this peer. A request corresponds 1:1 with an RP object in a PCReq message. This might be greater than pcePcepPeerNumPCReqRcvd because multiple requests can be batched into a single PCReq message.
numberRequestSent [Number Request Sent] (pcePcepPeerNumReqSent)	long	The number of requests sent to this peer. A request corresponds 1:1 with an RP object in a PCReq message. This might be greater than pcePcepPeerNumPCReqSent because multiple requests can be batched into a single PCReq message.

Table 279 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberSessionSetupFail [Number Session Setup Fail] (pcePcepPeerNumSessSetupFail)	long	The number of PCEP sessions with the peer that have been attempted but failed before being fully established. This counter is incremented each time a session retry to this peer fails.
numberSessionSetupSuccess [Number Session Setup Success] (pcePcepPeerNumSessSetupOK)	long	The number of PCEP sessions successfully established with the peer, including any current session. This counter is incremented each time a session with this peer is successfully established.
peerAddress [Peer Address] (pcePcepPeerAddr)	String	The Internet address of the peer. The type is given by pcePcepPeerAddrType.

Table 280 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrPimNgIfStatsEntry</p> <p>Entry description: An entry in the vRtrPimNgIfStatsTable.</p> <p>Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertisements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTL Drops [Tx Register TTL Drops] (vRtrPimNgGenStatTxRegTTL Drops)	long	The value of vRtrPimNgGenStatTxRegTTL Drops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 280 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpflIndex.

Table 281 ppp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppStats</p> <p>MIB entry name: tmnxPppEntry</p> <p>Entry description: Each row entry represents a port from the tmnxPortTable that is configured for PPP. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxPppTable): The tmnxPppTable has an entry for each port in the system that is configured for PPP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ppp.Interface</p>		
keepaliveEchoReplyPacketsReceived [Keepalive Echo Reply Packets Received] (tmnxPppKaInPktCount)	long	The number of echo-reply packets received.
keepaliveEchoRequestPacketsSent [Keepalive Echo Request Packets Sent] (tmnxPppKaOutPktCount)	long	The number of echo-request packets sent.
keepaliveThresholdExceedsCount [Keepalive Threshold Exceeds Count] (tmnxPppKaThresholdExceedsCount)	long	The number of times that tmnxPppKaDropCount was reached.
lqmInRate [Lqm In Rate] (tmnxPppLqmInRate)	long	The average of 'SaveInPackets'/'PeerOutPackets' in the last five consecutive LQRs received.
lqmLqrPacketsReceived [Lqm Lqr Packets Received] (tmnxPppLqmInPktCount)	long	The number of LQR packets received.
lqmLqrPacketsSent [Lqm Lqr Packets Sent] (tmnxPppLqmOutPktCount)	long	The number of LQR packets sent.

Table 281 ppp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lqmOutRate [Lqm Out Rate] (tmnxPppLqmOutRate)	long	The average of 'PeerInPackets'/'LastOutPackets' in the last five consecutive LQRs received.
lqmThresholdExceedsCount [Lqm Threshold Exceeds Count] (tmnxPppLqmThresholdExceedsCount)	long	The number of times that either tmnxPppLqmInRate or tmnxPppLqmOutRate falls below the specified quality percentage when PPP quality or LQM is enforced.

Table 282 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IEEEPTPPortStats</p> <p>MIB entry name: tmnxPtpPortStatsEntry</p> <p>Entry description: The tmnxPtpPortStatsEntry contains the directional packet statistics for a specific Ethernet port configured for direct transport of PTP over Ethernet. Rows are created and destroyed by the system, when corresponding entries in the tmnxPtpPortTable are created and deleted.</p> <p>Table description (for tmnxPtpPortStatsTable): The tmnxPtpPortStatsTable contains packet statistics for Ethernet ports configured for direct transport of PTP over Ethernet.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPort</p>		
ptpPortStatAnnounce [Ptp Port Stat Announce] (tmnxPtpPortStatAnnounce)	long	The value of tmnxPtpPortStatAnnounce indicates the number of accumulated PTP Announce packets transmitted or received on the Ethernet port.
ptpPortStatDelayRequest [Ptp Port Stat Delay Request] (tmnxPtpPortStatDelayRequest)	long	The value of tmnxPtpPortStatDelayRequest indicates the number of accumulated PTP Delay Request packets transmitted or received on the Ethernet port.
ptpPortStatDelayResponse [Ptp Port Stat Delay Response] (tmnxPtpPortStatDelayResponse)	long	The value of tmnxPtpPortStatDelayResponse indicates the number of accumulated PTP Delay Response packets transmitted or received on the Ethernet port.
ptpPortStatDirection [Ptp Port Stat Direction] (tmnxPtpPortStatDirection)	int	The value of tmnxPtpPortStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPortStatDropAltMaster [Ptp Port Stat Drop Alt Master] (tmnxPtpPortStatDropAltMaster)	long	The value of tmnxPtpPortStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatDropBadDomain [Ptp Port Stat Drop Bad Domain] (tmnxPtpPortStatDropBadDomain)	long	The value of tmnxPtpPortStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOther [Ptp Port Stat Drop Other] (tmnxPtpPortStatDropOther)	long	The value of tmnxPtpPortStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in tmnxPtpPortStatDropBadDomain, tmnxPtpPortStatDropAltMaster, and tmnxPtpPortStatDropOutOfSeq. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOutOfSeq [Ptp Port Stat Drop Out Of Seq] (tmnxPtpPortStatDropOutOfSeq)	long	The value of tmnxPtpPortStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPortStatFollowUp [Ptp Port Stat Follow Up] (tmnxPtpPortStatFollowUp)	long	The value of tmnxPtpPortStatFollowUp indicates the number of accumulated PTP Follow-Up packets transmitted or received on the Ethernet port. Because 'tmnxPtpClockStep-Type' is 'oneStep (1)', the system will never transmit PTP Follow-Up packets. However, it may receive PTP Follow-Up packets from a two-step master or boundary clock.
ptpPortStatOther [Ptp Port Stat Other] (tmnxPtpPortStatOther)	long	The value of tmnxPtpPortStatOther indicates the number of accumulated PTP packets of all other types. This object is accumulated in the 'rx' direction only.
ptpPortStatSignaling [Ptp Port Stat Signaling] (tmnxPtpPortStatSignaling)	long	The value of tmnxPtpPortStatSignaling indicates the number of accumulated PTP Signaling packets received on the Ethernet port. This object is accumulated in the 'rx' direction only.
ptpPortStatSync [Ptp Port Stat Sync] (tmnxPtpPortStatSync)	long	The value of tmnxPtpPortStatSync indicates the number of accumulated PTP Sync packets transmitted or received on the Ethernet port.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatTimeStampCpm [Ptp Port Stat Time Stamp Cpm] (tmnxPtpPortStatTimeStampCpm)	long	The value of tmnxPtpPortStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp is taken at the operating system kernel on the CPM card.
ptpPortStatTimeStampPort [Ptp Port Stat Time Stamp Port] (tmnxPtpPortStatTimeStampPort)	long	The value of tmnxPtpPortStatTimeStampPort indicates the accumulated packet statistics for PTP event packets on the Ethernet port where the timestamp is taken at the physical layer on the Ethernet port.
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsTimeStampCpm [Ptp Clk Pkt Stats Time Stamp Cpm] (tmnxPtpClkPktStatsTimeStampCpm)	long	The value of tmnxPtpClkPktStatsTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpClkPktStatsTimeStampPort [Ptp Clk Pkt Stats Time Stamp Port] (tmnxPtpClkPktStatsTimeStampPort)	long	The value of tmnxPtpClkPktStatsTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicates the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicates the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicates the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicates the number of seconds that the clock recovery system has been in the phase tracking state.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 282 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 283 radiusaccounting statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAcctPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber RADIUS accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyStatsTable): The tmnxSubAcctPlcyStatsTable has an entry for each subscriber RADIUS accounting policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.Policy</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRxResponses)	long	The value of tmnxSubAcctPlcyRxResponses indicates the number of accounting responses received for this policy.
requestRetries [Request Retries] (tmnxSubAcctPlcySendRetries)	long	The value of tmnxSubAcctPlcySendRetries indicates the number of retries to a different server for a single accounting request for this policy.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyReqTimeouts)	long	The value of tmnxSubAcctPlcyReqTimeouts indicates the number of accounting requests which have timed out for this policy.
requestsFail [Requests Fail] (tmnxSubAcctPlcySendFail)	long	The value of tmnxSubAcctPlcySendFail indicates how many accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyTxRequests)	long	The value of tmnxSubAcctPlcyTxRequests indicates the number of accounting requests transmitted for this policy.

Table 283 radiusaccounting statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAcctPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific RADIUS server in a subscriber accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyRadStatsTable): The tmnxSubAcctPlcyRadStatsTable has an entry for each RADIUS accounting server configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.RadiusEntry</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRadRxResponses)	long	The value of tmnxSubAcctPlcyRadRxResponses indicates the number of accounting responses received for this server.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyRadReqTimeouts)	long	The value of tmnxSubAcctPlcyRadReqTimeouts indicates the number of accounting requests which have timed out for this server.
requestsFail [Requests Fail] (tmnxSubAcctPlcyRadReqSendFail)	long	The value of tmnxSubAcctPlcyRadReqSendFail indicates the number of accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyRadTxRequests)	long	The value of tmnxSubAcctPlcyRadTxRequests indicates the number of accounting requests transmitted for this server.

Table 284 ressubscr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 284 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecChargingGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
chargingGroupName [Charging Group Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxSubCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSubStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSubStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
HostTrackStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Supports realtime plotting Does not support scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
sapInnerEncapValue [Sap Inner Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
sapPortId [Sap Port Id] (sapPortId)	String	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
statsType [Stats Type] (tmnxSubHostTrkStatsType)	int	The value of tmnxSubHostTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostTrkStatsVal.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsValue [Stats Value] (tmnxSubHostTrkStatsVal)	long	The value of tmnxSubHostTrkStatsVal indicates the value of the host tracking statistics of the type indicated by tmnxSubHostTrkStatsType, for this subscriber host.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.
<p>HostTrackStatsOnSap</p> <p>MIB entry name: tmnxSubHostSapTrkStatsEntry</p> <p>Entry description: Each row entry represents host tracking status and statistics information about a particular host. Rows are created or removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxSubHostSapTrkStatsTable): The tmnxSubHostSapTrkStatsTable shows statistics information about the video viewership of hosts, ordered by SAP.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsType [Stats Type] (tmnxSubHostSapTrkStatsType)	int	The value of tmnxSubHostSapTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostSapTrkStatsVal.
statsValue [Stats Value] (tmnxSubHostSapTrkStatsVal)	long	The value of tmnxSubHostSapTrkStatsVal indicates the value of the host tracking statistics of the type indicated by tmnxSubHostSapTrkStatsType, for this host.
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostSapTrkHostAddr)	String	The value of tmnxSubHostSapTrkHostAddr indicates the address of the host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostSapTrkHostAddrType)	int	The value of tmnxSubHostSapTrkHostAddrType indicates the address type of tmnxSubHostSapTrkHostAddr.
<p>PppSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppSvcTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP in a specific service. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppSvcTypeTable): The tmnxSubPppSvcTypeTable has information for each each type of subscriber PPP Session, ordered per service.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.Site • vprn.Site 		
pPPType [PPPType] (tmnxSubPppSvcTypeIndex)	int	The value of the object tmnxSubPppSvcTypeIndex indicates the type of subscriber PPP.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pPPoL2tp [PPPo L2 tp] (tmnxSubPppSvcTypeSessions)	long	The value of the object tmnxSubPppSvcTypeSessions indicates the actual number of PPP session of this type.
<p>SLAEgrQoS SchedStats</p> <p>MIB entry name: tmnxSPIEgrQoS SchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS scheduler.</p> <p>Table description (for tmnxSPIEgrQoS SchedStatsTable): The tmnxSPIEgrQoS SchedStatsTable contains egress QoS scheduler statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQoS SchedStatsFwdOctets [Egr Qos Sched Stats Fwd Octets] (tmnxSPIEgrQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSPIEgrQoS SchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the SLA profile instance egress scheduler policy.
egrQoS SchedStatsFwdPkts [Egr Qos Sched Stats Fwd Pkts] (tmnxSPIEgrQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSPIEgrQoS SchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the SLA profile instance egress scheduler policy.
egrQoS SchedStatsName [Egr Qos Sched Stats Name] (tmnxSPIEgrQoS SchedStatsName)	String	The value of tmnxSPIEgrQoS SchedStatsName specifies the egress QoS scheduler of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
subldent [Sub Ident] (tmnxSubInfoSubldent)	String	The value of tmnxSubInfoSubldent specifies the subscriber identification of this subscriber.
<p>SLAProfInstEgrPStats MIB entry name: tmnxSLAProfInstEgrPStatsEntry Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS policer. Table description (for tmnxSLAProfInstEgrPStatsTable): The tmnxSLAProfInstEgrPStatsTable contains egress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrPolicerId [Egr Policer Id] (tmnxSPIEgrPStatsPolId)	long	The value of tmnxSPIEgrPStatsPolId specifies the index of the egress QoS policer of this SLA profile instance.
spiEgrPStatsDrpExdProfOcts [Spi Egr PStats Drp Exd Prof Octs] (tmnxSPIEgrPStatsDrpExdProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpExdProfOcts indicates the number of out-of-profile octets (rate above PIR) dropped by the egress Pchip.
spiEgrPStatsDrpExdProfPkts [Spi Egr PStats Drp Exd Prof Pkts] (tmnxSPIEgrPStatsDrpExdProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpExdProfPkts indicates the number of exceed-profile packets (rate above PIR) dropped by the egress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpInPProfOcts [Spi Egr PStats Drp In PProf Octs] (tmnxSPIEgrPStatsDrpInPProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
spiEgrPStatsDrpInPProfPkts [Spi Egr PStats Drp In PProf Pkts] (tmnxSPIEgrPStatsDrpInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInPProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.
spiEgrPStatsDrpInProfOctsH [Spi Egr PStats Drp In Prof Octs H] (tmnxSPIEgrPStatsDrpInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpInProfOcts.
spiEgrPStatsDrpInProfOctsL [Spi Egr PStats Drp In Prof Octs L] (tmnxSPIEgrPStatsDrpInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpInProfOcts.
spiEgrPStatsDrpInProfPktsH [Spi Egr PStats Drp In Prof Pkts H] (tmnxSPIEgrPStatsDrpInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpInProfPkts.
spiEgrPStatsDrpInProfPktsL [Spi Egr PStats Drp In Prof Pkts L] (tmnxSPIEgrPStatsDrpInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpInProfPkts.
spiEgrPStatsDrpOutProfOctsH [Spi Egr PStats Drp Out Prof Octs H] (tmnxSPIEgrPStatsDrpOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpOutProfOcts.
spiEgrPStatsDrpOutProfOctsL [Spi Egr PStats Drp Out Prof Octs L] (tmnxSPIEgrPStatsDrpOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpOutProfOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpOutProfPktsH [Spi Egr PStats Drp Out Prof Pkts H] (tmnxSPIEgrPStatsDrpOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpOutProfPkts.
spiEgrPStatsDrpOutProfPktsL [Spi Egr PStats Drp Out Prof Pkts L] (tmnxSPIEgrPStatsDrpOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpOutProfPkts.
spiEgrPStatsFwdExdProfOcts [Spi Egr PStats Fwd Exd Prof Octs] (tmnxSPIEgrPStatsFwdExdProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdExdProfOcts indicates the number of out-of-profile octets (rate above PIR) forwarded by the egress Pchip.
spiEgrPStatsFwdExdProfPkts [Spi Egr PStats Fwd Exd Prof Pkts] (tmnxSPIEgrPStatsFwdExdProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdExdProfPkts indicates the number of exceed-profile packets (rate above PIR) forwarded by the egress Pchip.
spiEgrPStatsFwdInPProfOcts [Spi Egr PStats Fwd In PProf Octs] (tmnxSPIEgrPStatsFwdInPProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
spiEgrPStatsFwdInPProfPkts [Spi Egr PStats Fwd In PProf Pkts] (tmnxSPIEgrPStatsFwdInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInPProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.
spiEgrPStatsFwdInProfOctsH [Spi Egr PStats Fwd In Prof Octs H] (tmnxSPIEgrPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdInProfOcts.
spiEgrPStatsFwdInProfOctsL [Spi Egr PStats Fwd In Prof Octs L] (tmnxSPIEgrPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdInProfOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsFwdInProfPktsH [Spi Egr PStats Fwd In Prof Pkts H] (tmnxSPIEgrPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdInProfPkts.
spiEgrPStatsFwdInProfPktsL [Spi Egr PStats Fwd In Prof Pkts L] (tmnxSPIEgrPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdInProfPkts.
spiEgrPStatsFwdOutProfOctsH [Spi Egr PStats Fwd Out Prof Octs H] (tmnxSPIEgrPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdOutProfOcts.
spiEgrPStatsFwdOutProfOctsL [Spi Egr PStats Fwd Out Prof Octs L] (tmnxSPIEgrPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdOutProfOcts.
spiEgrPStatsFwdOutProfPktsH [Spi Egr PStats Fwd Out Prof Pkts H] (tmnxSPIEgrPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdOutProfPkts.
spiEgrPStatsFwdOutProfPktsL [Spi Egr PStats Fwd Out Prof Pkts L] (tmnxSPIEgrPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdOutProfPkts.
spiEgrPStatsMode [Spi Egr PStats Mode] (tmnxSPIEgrPStatsMode)	int	The value of tmnxSPIEgrPStatsMode indicates the stat mode used by the policer.
spiEgrPStatsOffExdProfOcts [Spi Egr PStats Off Exd Prof Octs] (tmnxSPIEgrPStatsOffExdProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffExdProfPkts [Spi Egr PStats Off Exd Prof Pkts] (tmnxSPIEgrPStatsOffExdProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.
spiEgrPStatsOffInPProfPkts [Spi Egr PStats Off In PProf Pkts] (tmnxSPIEgrPStatsOffInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInPProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
spiEgrPStatsOffInPProfPkts [Spi Egr PStats Off In PProf Pkts] (tmnxSPIEgrPStatsOffInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInPProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
spiEgrPStatsOffInProfPktsH [Spi Egr PStats Off In Prof Pkts H] (tmnxSPIEgrPStatsOffInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffInProfPktsL [Spi Egr PStats Off In Prof Pkts L] (tmnxSPIEgrPStatsOffInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffInProfPktsH [Spi Egr PStats Off In Prof Pkts H] (tmnxSPIEgrPStatsOffInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffInProfPktsL [Spi Egr PStats Off In Prof Pkts L] (tmnxSPIEgrPStatsOffInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffOutProfPktsH [Spi Egr PStats Off Out Prof Pkts H] (tmnxSPIEgrPStatsOffOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffOutProfOctsL [Spi Egr PStats Off Out Prof Octs L] (tmnxSPIEgrPStatsOffOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffOutProfOcts.
spiEgrPStatsOffOutProfPktsH [Spi Egr PStats Off Out Prof Pkts H] (tmnxSPIEgrPStatsOffOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.
spiEgrPStatsOffOutProfPktsL [Spi Egr PStats Off Out Prof Pkts L] (tmnxSPIEgrPStatsOffOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.
spiEgrPStatsOffUncolOcts [Spi Egr PStats Off Uncol Octs] (tmnxSPIEgrPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffUncolOcts indicates the number of uncolored octets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffUncolOctsH [Spi Egr PStats Off Uncol Octs H] (tmnxSPIEgrPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffUncolOcts.
spiEgrPStatsOffUncolOctsL [Spi Egr PStats Off Uncol Octs L] (tmnxSPIEgrPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffUncolOcts.
spiEgrPStatsOffUncolPkts [Spi Egr PStats Off Uncol Pkts] (tmnxSPIEgrPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffUncolPkts indicates the number of uncolored packets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffUncolPktsH [Spi Egr PStats Off Uncol Pkts H] (tmnxSPIEgrPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffUncolPkts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffUncolPktsL [Spi Egr PStats Off Uncol Pkts L] (tmnxSPIEgrPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffUncolPkts.
<p>SLAProflnstEgrPV4V6Stats</p> <p>MIB entry name: tmnxSLAProflnstEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProflnstEgrPStatsTable): The tmnxSLAProflnstEgrPStatsTable contains egress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrPolicerId [Egr Policer Id] (tmnxSPIEgrPStatsPolId)	long	The value of tmnxSPIEgrPStatsPolId specifies the index of the egress QoS policer of this SLA profile instance.
spiEgrPStatsDrpV4Octs [Spi Egr PStats Drp V4 Octs] (tmnxSPIEgrPStatsDrpInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInProfOcts indicates the number of in-profile octets (rate below CIR) dropped by the egress Pchip.
spiEgrPStatsDrpV4Pkts [Spi Egr PStats Drp V4 Pkts] (tmnxSPIEgrPStatsDrpInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInProfPkts indicates the number of in-profile packets (rate below CIR) dropped by the egress Pchip.
spiEgrPStatsDrpV6Octs [Spi Egr PStats Drp V6 Octs] (tmnxSPIEgrPStatsDrpOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpOutProfOcts indicates the number of out-of-profile octets (rate above CIR) dropped by the egress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpV6Pkts [Spi Egr PStats Drp V6 Pkts] (tmnxSPIEgrPStatsDrpOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpOutProfPkts indicates the number of out-of-profile packets (rate above CIR) dropped by the egress Pchip.
spiEgrPStatsFwdV4Octs [Spi Egr PStats Fwd V4 Octs] (tmnxSPIEgrPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV4Pkts [Spi Egr PStats Fwd V4 Pkts] (tmnxSPIEgrPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV6Octs [Spi Egr PStats Fwd V6 Octs] (tmnxSPIEgrPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV6Pkts [Spi Egr PStats Fwd V6 Pkts] (tmnxSPIEgrPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
spiEgrPStatsMode [Spi Egr PStats Mode] (tmnxSPIEgrPStatsMode)	int	The value of tmnxSPIEgrPStatsMode indicates the stat mode used by the policer.
spiEgrPStatsOffV4Octs [Spi Egr PStats Off V4 Octs] (tmnxSPIEgrPStatsOffInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsOffV4Pkts [Spi Egr PStats Off V4 Pkts] (tmnxSPIEgrPStatsOffInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInProfPkts indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffV6Octs [Spi Egr PStats Off V6 Octs] (tmnxSPIEgrPStatsOffOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffOutProfOcts indicates the number of out-of-profile octets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffV6Pkts [Spi Egr PStats Off V6 Pkts] (tmnxSPIEgrPStatsOffOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffOutProfPkts indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
<p>SLAProfInstEgrQStats MIB entry name: tmnxSLAProfInstEgrQStatsEntry Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue. Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 284 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstEgrQV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstEgrQStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue.</p> <p>Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
egrQStatsDropV4Octets [Egr QStats Drop V4 Octets] (tmnxSPIEgrQStatsDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfOctets indicates the number of in-profile octets discarded by the egress Qchip.
egrQStatsDropV4Packets [Egr QStats Drop V4 Packets] (tmnxSPIEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfPkts indicates the number of in-profile packets discarded by the egress Qchip.
egrQStatsDropV6Octets [Egr QStats Drop V6 Octets] (tmnxSPIEgrQStatsDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfOctets indicates the number of out-of-profile octets discarded by the egress Qchip.
egrQStatsDropV6Packets [Egr QStats Drop V6 Packets] (tmnxSPIEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip.
egrQStatsFwdV4Octets [Egr QStats Fwd V4 Octets] (tmnxSPIEgrQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQStatsFwdV4Packets [Egr QStats Fwd V4 Packets] (tmnxSPIEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQStatsFwdV6Octets [Egr QStats Fwd V6 Octets] (tmnxSPIEgrQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQStatsFwdV6Packets [Egr QStats Fwd V6 Packets] (tmnxSPIEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 284 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstIngPStats</p> <p>MIB entry name: tmnxSLAProfInstIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstIngPStatsTable): The tmnxSLAProfInstIngPStatsTable contains ingress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
ingPolicerId [Ing Policer Id] (tmnxSPIngPStatsPolId)	long	The value of tmnxSPIngPStatsPolId specifies the index of the ingress QoS policer of this SLA profile instance.
spiIngPStatsDrpHiPrioOctsH [Spi Ing PStats Drp Hi Prio Octs H] (tmnxSPIngPStatsDrpHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPIngPStatsDrpHiPrioOcts.
spiIngPStatsDrpHiPrioOctsL [Spi Ing PStats Drp Hi Prio Octs L] (tmnxSPIngPStatsDrpHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPIngPStatsDrpHiPrioOcts.
spiIngPStatsDrpHiPrioPktsH [Spi Ing PStats Drp Hi Prio Pkts H] (tmnxSPIngPStatsDrpHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPIngPStatsDrpHiPrioPkts.
spiIngPStatsDrpHiPrioPktsL [Spi Ing PStats Drp Hi Prio Pkts L] (tmnxSPIngPStatsDrpHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPIngPStatsDrpHiPrioPkts.
spiIngPStatsDrpLoPrioOctsH [Spi Ing PStats Drp Lo Prio Octs H] (tmnxSPIngPStatsDrpLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPIngPStatsDrpLoPrioOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsDrpLoPrioOctsL [Spi Ing PStats Drp Lo Prio Octs L] (tmnxSPllngPStatsDrpLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsDrpLoPrioOcts.
spilngPStatsDrpLoPrioPktsH [Spi Ing PStats Drp Lo Prio Pkts H] (tmnxSPllngPStatsDrpLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsDrpLoPrioPkts.
spilngPStatsDrpLoPrioPktsL [Spi Ing PStats Drp Lo Prio Pkts L] (tmnxSPllngPStatsDrpLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsDrpLoPrioPkts.
spilngPStatsFwdInProfOctsH [Spi Ing PStats Fwd In Prof Octs H] (tmnxSPllngPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdInProfOcts.
spilngPStatsFwdInProfOctsL [Spi Ing PStats Fwd In Prof Octs L] (tmnxSPllngPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdInProfOcts.
spilngPStatsFwdInProfPktsH [Spi Ing PStats Fwd In Prof Pkts H] (tmnxSPllngPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdInProfPkts.
spilngPStatsFwdInProfPktsL [Spi Ing PStats Fwd In Prof Pkts L] (tmnxSPllngPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdInProfPkts.
spilngPStatsFwdOutProfOctsH [Spi Ing PStats Fwd Out Prof Octs H] (tmnxSPllngPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdOutProfOcts.
spilngPStatsFwdOutProfOctsL [Spi Ing PStats Fwd Out Prof Octs L] (tmnxSPllngPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdOutProfOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsFwdOutProfPktsH [Spi Ing PStats Fwd Out Prof Pkts H] (tmnxSPllngPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdOutProfPkts.
spilngPStatsFwdOutProfPktsL [Spi Ing PStats Fwd Out Prof Pkts L] (tmnxSPllngPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdOutProfPkts.
spilngPStatsMode [Spi Ing PStats Mode] (tmnxSPllngPStatsMode)	int	The value of tmnxSPllngPStatsMode indicates the stat mode used by the policer.
spilngPStatsOffHiPrioOctsH [Spi Ing PStats Off Hi Prio Octs H] (tmnxSPllngPStatsOffHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffHiPrioOcts.
spilngPStatsOffHiPrioOctsL [Spi Ing PStats Off Hi Prio Octs L] (tmnxSPllngPStatsOffHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffHiPrioOcts.
spilngPStatsOffHiPrioPktsH [Spi Ing PStats Off Hi Prio Pkts H] (tmnxSPllngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffHiPrioPkts.
spilngPStatsOffHiPrioPktsL [Spi Ing PStats Off Hi Prio Pkts L] (tmnxSPllngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffHiPrioPkts.
spilngPStatsOffLoPrioOctsH [Spi Ing PStats Off Lo Prio Octs H] (tmnxSPllngPStatsOffLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffLoPrioOcts.
spilngPStatsOffLoPrioOctsL [Spi Ing PStats Off Lo Prio Octs L] (tmnxSPllngPStatsOffLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffLoPrioOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsOffLoPrioPktsH [Spi Ing PStats Off Lo Prio Pkts H] (tmnxSPllngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffLoPrioPkts.
spilngPStatsOffLoPrioPktsL [Spi Ing PStats Off Lo Prio Pkts L] (tmnxSPllngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffLoPrioPkts.
spilngPStatsOffUncolOcts [Spi Ing PStats Off Uncol Octs] (tmnxSPllngPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffUncolOcts indicates the number of uncolored octets offered to the ingress Pchip.
spilngPStatsOffUncolOctsH [Spi Ing PStats Off Uncol Octs H] (tmnxSPllngPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffUncolOcts.
spilngPStatsOffUncolOctsL [Spi Ing PStats Off Uncol Octs L] (tmnxSPllngPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffUncolOcts.
spilngPStatsOffUncolPkts [Spi Ing PStats Off Uncol Pkts] (tmnxSPllngPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Pchip.
spilngPStatsOffUncolPktsH [Spi Ing PStats Off Uncol Pkts H] (tmnxSPllngPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffUncolPkts.
spilngPStatsOffUncolPktsL [Spi Ing PStats Off Uncol Pkts L] (tmnxSPllngPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffUncolPkts.

Table 284 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstIngPV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstIngPStatsTable): The tmnxSLAProfInstIngPStatsTable contains ingress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
ingPolicerId [Ing Policer Id] (tmnxSPIngpStatsPolId)	long	The value of tmnxSPIngpStatsPolId specifies the index of the ingress QoS policer of this SLA profile instance.
spiIngPStatsDrpV4Octs [Spi Ing PStats Drp V4 Octs] (tmnxSPIngpStatsDrpHiPrioOcts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
spiIngPStatsDrpV4Pkts [Spi Ing PStats Drp V4 Pkts] (tmnxSPIngpStatsDrpHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
spiIngPStatsDrpV6Octs [Spi Ing PStats Drp V6 Octs] (tmnxSPIngpStatsDrpLoPrioOcts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
spiIngPStatsDrpV6Pkts [Spi Ing PStats Drp V6 Pkts] (tmnxSPIngpStatsDrpLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsFwdV4Octs [Spi Ing PStats Fwd V4 Octs] (tmnxSPllngPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV4Pkts [Spi Ing PStats Fwd V4 Pkts] (tmnxSPllngPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV6Octs [Spi Ing PStats Fwd V6 Octs] (tmnxSPllngPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV6Pkts [Spi Ing PStats Fwd V6 Pkts] (tmnxSPllngPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
spilngPStatsMode [Spi Ing PStats Mode] (tmnxSPllngPStatsMode)	int	The value of tmnxSPllngPStatsMode indicates the stat mode used by the policer.
spilngPStatsOffV4Octs [Spi Ing PStats Off V4 Octs] (tmnxSPllngPStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
spilngPStatsOffV4Pkts [Spi Ing PStats Off V4 Pkts] (tmnxSPllngPStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
spilngPStatsOffV6Octs [Spi Ing PStats Off V6 Octs] (tmnxSPllngPStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 284 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spIngPStatsOffV6Pkts [Spi Ing PStats Off V6 Pkts] (tmnxSPIngPStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngPStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
SLAProfInstIngQStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Does not support realtime plotting Supports scheduled collection Monitored class: resubscr.ResidentialSubscriberInstance		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPIngQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPIngQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsOffUncoloredOctets [Ing QStats Off Uncolored Octets] (tmnxSPllngQStatsOffUncolOctets)	java. math. BigInteger	The value of tmnxSPllngQStatsOffUncolOctets indicates the number of uncolored octets offered to the ingress Qchip.
ingQStatsOffUncoloredPackets [Ing QStats Off Uncolored Packets] (tmnxSPllngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPllngQStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPllngQStatsQueueId)	long	The value of tmnxSPllngQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
SLAProfInstIngQV4V6Stats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsDropV4Octets [Ing QStats Drop V4 Octets] (tmnxSPIngQStatsDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsDropHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV4Packets [Ing QStats Drop V4 Packets] (tmnxSPIngQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsDropHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV6Octets [Ing QStats Drop V6 Octets] (tmnxSPIngQStatsDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsDropLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV6Packets [Ing QStats Drop V6 Packets] (tmnxSPIngQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsDropLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsFwdV4Octets [Ing QStats Fwd V4 Octets] (tmnxSPIngQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdV4Packets [Ing QStats Fwd V4 Packets] (tmnxSPIngQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdV6Octets [Ing QStats Fwd V6 Octets] (tmnxSPIngQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQStatsFwdV6Packets [Ing QStats Fwd V6 Packets] (tmnxSPIngQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPInQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPInQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPInQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPInQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPInQStatsQueueId)	long	The value of tmnxSPInQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstStats</p> <p>MIB entry name: tmnxSLAProfInstStatsEntry</p> <p>Entry description: Each row entry contains basic statistics about a particular SLA profile instance.</p> <p>Table description (for tmnxSLAProfInstStatsTable): The tmnxSLAProfInstStatsTable contains basic statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQchipDropInProfileOctets [Egr Qchip Drop In Profile Octets] (tmnxSPIStatsEgrQchipDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfOctets indicates the number of in-profile octets dropped by the egress Qchip.
egrQchipDropInProfilePackets [Egr Qchip Drop In Profile Packets] (tmnxSPIStatsEgrQchipDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfPkts indicates the number of in-profile packets dropped by the egress Qchip.
egrQchipDropOutProfileOctets [Egr Qchip Drop Out Profile Octets] (tmnxSPIStatsEgrQchipDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfOctets indicates the number of out-of-profile octets dropped by the egress Qchip.
egrQchipDropOutProfilePackets [Egr Qchip Drop Out Profile Packets] (tmnxSPIStatsEgrQchipDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfPkts indicates the number of out-of-profile packets dropped by the egress Qchip.
egrQchipDropV4Octets [Egr Qchip Drop V4 Octets] (tmnxSPIStatsEgrQchipDropV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV4Octets indicates the number of V4 octets dropped by the egress Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipDropV4Packets [Egr Qchip Drop V4 Packets] (tmnxSPIStatsEgrQchipDropV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV4Pkts indicates the number of V4 packets dropped by the egress Qchip.
egrQchipDropV6Octets [Egr Qchip Drop V6 Octets] (tmnxSPIStatsEgrQchipDropV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV6Octets indicates the number of V6 octets dropped by the egress Qchip.
egrQchipDropV6Packets [Egr Qchip Drop V6 Packets] (tmnxSPIStatsEgrQchipDropV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV6Pkts indicates the number of V6 packets dropped by the egress Qchip.
egrQchipFwdInProfileOctets [Egr Qchip Fwd In Profile Octets] (tmnxSPIStatsEgrQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdInProfilePackets [Egr Qchip Fwd In Profile Packets] (tmnxSPIStatsEgrQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfileOctets [Egr Qchip Fwd Out Profile Octets] (tmnxSPIStatsEgrQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfilePackets [Egr Qchip Fwd Out Profile Packets] (tmnxSPIStatsEgrQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdV4Octets [Egr Qchip Fwd V4 Octets] (tmnxSPIStatsEgrQchipFwdV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV4Octets indicates the number of V4 octets forwarded by the egress Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipFwdV4Packets [Egr Qchip Fwd V4 Packets] (tmnxSPIStatsEgrQchipFwdV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV4Pkts indicates the number of V4 packets forwarded by the egress Qchip.
egrQchipFwdV6Octets [Egr Qchip Fwd V6 Octets] (tmnxSPIStatsEgrQchipFwdV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV6Octets indicates the number of V6 octets forwarded by the egress Qchip.
egrQchipFwdV6Packets [Egr Qchip Fwd V6 Packets] (tmnxSPIStatsEgrQchipFwdV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV6Pkts indicates the number of V6 packets forwarded by the egress Qchip.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingPchipOffHiPriorityOctets [Ing Pchip Off Hi Priority Octets] (tmnxSPIStatsIngPchipOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffHiPriorityPackets [Ing Pchip Off Hi Priority Packets] (tmnxSPIStatsIngPchipOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityOctets [Ing Pchip Off Lo Priority Octets] (tmnxSPIStatsIngPchipOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityPackets [Ing Pchip Off Lo Priority Packets] (tmnxSPIStatsIngPchipOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPchipOffUncoloredOctets [Ing Pchip Off Uncolored Octets] (tmnxSPIStatsIngPchipOffUncolOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolOctets indicates the number of uncolored octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffUncoloredPackets [Ing Pchip Off Uncolored Packets] (tmnxSPIStatsIngPchipOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolPkts indicates the number of uncolored packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffV4Octets [Ing Pchip Off V4 Octets] (tmnxSPIStatsIngPchipOffV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV4Octets indicates the number of V4 octets offered by the Pchip to the Qchip.
ingPchipOffV4Packets [Ing Pchip Off V4 Packets] (tmnxSPIStatsIngPchipOffV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV4Pkts indicates the number of V4 packets offered by the Pchip to the Qchip.
ingPchipOffV6Octets [Ing Pchip Off V6 Octets] (tmnxSPIStatsIngPchipOffV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV6Octets indicates the number of V6 octets offered by the Pchip to the Qchip.
ingPchipOffV6Packets [Ing Pchip Off V6 Packets] (tmnxSPIStatsIngPchipOffV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV6Pkts indicates the number of V6 packets offered by the Pchip to the Qchip.
ingQchipDropHiPriorityOctets [Ing Qchip Drop Hi Priority Octets] (tmnxSPIStatsIngQchipDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropHiPriorityPackets [Ing Qchip Drop Hi Priority Packets] (tmnxSPIStatsIngQchipDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipDropLoPriorityOctets [Ing Qchip Drop Lo Priority Octets] (tmnxSPIStatsIngQchipDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropLoPriorityPackets [Ing Qchip Drop Lo Priority Packets] (tmnxSPIStatsIngQchipDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropV4Octets [Ing Qchip Drop V4 Octets] (tmnxSPIStatsIngQchipDropV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV4Octets indicates the number of V4 octets dropped by the ingress Qchip.
ingQchipDropV4Packets [Ing Qchip Drop V4 Packets] (tmnxSPIStatsIngQchipDropV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV4Pkts indicates the number of V4 packets dropped by the ingress Qchip.
ingQchipDropV6Octets [Ing Qchip Drop V6 Octets] (tmnxSPIStatsIngQchipDropV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV6Octets indicates the number of V6 octets dropped by the ingress Qchip.
ingQchipDropV6Packets [Ing Qchip Drop V6 Packets] (tmnxSPIStatsIngQchipDropV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV6Pkts indicates the number of V6 packets dropped by the ingress Qchip.
ingQchipFwdInProfileOctets [Ing Qchip Fwd In Profile Octets] (tmnxSPIStatsIngQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQchipFwdInProfilePackets [Ing Qchip Fwd In Profile Packets] (tmnxSPIStatsIngQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipFwdOutProfileOctets [Ing Qchip Fwd Out Profile Octets] (tmnxSPIStatsIngQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdOutProfilePackets [Ing Qchip Fwd Out Profile Packets] (tmnxSPIStatsIngQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdV4Octets [Ing Qchip Fwd V4 Octets] (tmnxSPIStatsIngQchipFwdV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV4Octets indicates the number of V4 octets forwarded by the ingress Qchip.
ingQchipFwdV4Packets [Ing Qchip Fwd V4 Packets] (tmnxSPIStatsIngQchipFwdV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV4Pkts indicates the number of V4 packets forwarded by the ingress Qchip.
ingQchipFwdV6Octets [Ing Qchip Fwd V6 Octets] (tmnxSPIStatsIngQchipFwdV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV6Octets indicates the number of V6 octets forwarded by the ingress Qchip.
ingQchipFwdV6Packets [Ing Qchip Fwd V6 Packets] (tmnxSPIStatsIngQchipFwdV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV6Pkts indicates the number of V6 packets forwarded by the ingress Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SubDataTrigStats MIB entry name: tmnxSubDtStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
packetsDropped [Packets Dropped] (tmnxSubDtStatsPacketsDropped)	java. math. BigInteger	The value of tmnxSubDtStatsPacketsDropped indicates the number of data packets dropped that could have triggered creation of data-triggered subscriber hosts on this system.
packetsReceived [Packets Received] (tmnxSubDtStatsPacketsReceived)	java. math. BigInteger	The value of tmnxSubDtStatsPacketsReceived indicates the number of data packets received that may trigger creation of data-triggered subscriber hosts on this system.
packetsinQ [Packetsin Q] (tmnxSubDtStatsPacketsInQ)	long	The value of tmnxSubDtStatsPacketsInQ indicates the number of data packets currently in the waiting queue that may trigger creation of data-triggered subscriber hosts on this system.
packetsinQPeak [Packetsin QPeak] (tmnxSubDtStatsPacketsInQPeak)	long	The value of tmnxSubDtStatsPacketsInQPeak indicates the maximum value of the tmnxSubDtStatsPacketsInQ object since the start-up of this system or the last time that the value of tmnxSubDtStatsPacketsInQ was reset.
SubEgrQosArbiterStats MIB entry name: tmnxSubEgrQosArbitStatsEntry Entry description: Each row entry contains egress statistics about a particular subscriber QoS arbiter. Table description (for tmnxSubEgrQosArbitStatsTable): The tmnxSubEgrQosArbitStatsTable contains egress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (tmnxSubEgrQosArbitStatsName)	String	The value of tmnxSubEgrQosArbitStatsName specifies the egress QoS arbiter of this subscriber.
subEgrQosArbitStatsFwdOcts [Sub Egr Qos Arbit Stats Fwd Octs] (tmnxSubEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
subEgrQosArbitStatsFwdPkts [Sub Egr Qos Arbit Stats Fwd Pkts] (tmnxSubEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
<p>SubEgrQoS SchedStats</p> <p>MIB entry name: tmnxSubEgrQosSchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubEgrQosSchedStatsTable): The tmnxSubEgrQosSchedStatsTable contains egress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQoS SchedName [Egr Qos Sched Name] (tmnxSubEgrQosSchedStatsName)	String	The value of tmnxSubEgrQosSchedStatsName specifies the egress QoS scheduler of this subscriber.
forwardedOctets [Forwarded Octets] (tmnxSubEgrQosSchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubEgrQosSchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the subscriber egress scheduler policy.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedPackets [Forwarded Packets] (tmnxSubEgrQosSchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQosSchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the subscriber egress scheduler policy.
<p>SubIngQosArbiterStats</p> <p>MIB entry name: tmnxSubIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS arbiter.</p> <p>Table description (for tmnxSubIngQosArbitStatsTable): The tmnxSubIngQosArbitStatsTable contains ingress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
arbiterName [Arbiter Name] (tmnxSubIngQosArbitStatsName)	String	The value of tmnxSubIngQosArbitStatsName specifies the ingress QoS arbiter of this subscriber.
subIngQosArbitStatsFwdOcts [Sub Ing Qos Arbit Stats Fwd Octs] (tmnxSubIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.
subIngQosArbitStatsFwdPkts [Sub Ing Qos Arbit Stats Fwd Pkts] (tmnxSubIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubIngQoS SchedStats</p> <p>MIB entry name: tmnxSubIngQoS SchedStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubIngQoS SchedStatsTable): The tmnxSubIngQoS SchedStatsTable contains ingress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
forwardedOctets [Forwarded Octets] (tmnxSubIngQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubIngQoS SchedStatsFwdOctets indicates the number of forwarded octets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (tmnxSubIngQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQoS SchedStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
ingQoS SchedName [Ing QoS Sched Name] (tmnxSubIngQoS SchedStatsName)	String	The value of tmnxSubIngQoS SchedStatsName specifies the ingress QoS scheduler of this subscriber.
<p>SubscriberEgrOverrideCounterStats</p> <p>MIB entry name: tmnxSubEgrOverrideCounterEntry</p> <p>Entry description: Egress statistics about a specific subscriber's HSMDA counter.</p> <p>Table description (for tmnxSubEgrOverrideCounterTable): A table that contains egress HSMDA counter subscriber statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrOvrCounterId [Sub Egr Ovr Counter Id] (tmnxSubEgrOvrCntrlId)	long	The value of tmnxSubEgrOvrCntrlId indicates the counter ID for the statistics.
subEgrOvrCounterSubPortId [Sub Egr Ovr Counter Sub Port Id] (tmnxSubEgrOvrCntrSubPortId)	long	The value of tmnxSubEgrOvrCntrSubPortId indicates the access port for this entry.
<p>SubscriberEgrOverrideCounterV4V6Stats MIB entry name: tmnxSubEgrOverrideCounterEntry Entry description: Egress statistics about a specific subscriber's HSMDA counter. Table description (for tmnxSubEgrOverrideCounterTable): A table that contains egress HSMDA counter subscriber statistics. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrOvrCounterDropV4Octets [Sub Egr Ovr Counter Drop V4 Octets] (tmnxSubEgrOvrCntrDropInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropInProfOcts indicates the number of high-priority octets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.
subEgrOvrCounterDropV4Packets [Sub Egr Ovr Counter Drop V4 Packets] (tmnxSubEgrOvrCntrDropInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropInProfPkts indicates the number of high-priority packets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.
subEgrOvrCounterDropV6Octets [Sub Egr Ovr Counter Drop V6 Octets] (tmnxSubEgrOvrCntrDropOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropOutProfOcts indicates the number of low-priority octets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.
subEgrOvrCounterDropV6Packets [Sub Egr Ovr Counter Drop V6 Packets] (tmnxSubEgrOvrCntrDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropOutProfPkts indicates the number of low-priority packets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrOvrCounterFwdV4Octets [Sub Egr Ovr Counter Fwd V4 Octets] (tmnxSubEgrOvrCntrFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdInProfOcts indicates the number of in-profile octets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV4Packets [Sub Egr Ovr Counter Fwd V4 Packets] (tmnxSubEgrOvrCntrFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdInProfPkts indicates the number of in-profile packets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV6Octets [Sub Egr Ovr Counter Fwd V6 Octets] (tmnxSubEgrOvrCntrFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdOutProfOcts indicates the number of out-of-profile octets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV6Packets [Sub Egr Ovr Counter Fwd V6 Packets] (tmnxSubEgrOvrCntrFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdOutProfPkts indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterId [Sub Egr Ovr Counter Id] (tmnxSubEgrOvrCntrId)	long	The value of tmnxSubEgrOvrCntrId indicates the counter ID for the statistics.
subEgrOvrCounterSubPortId [Sub Egr Ovr Counter Sub Port Id] (tmnxSubEgrOvrCntrSubPortId)	long	The value of tmnxSubEgrOvrCntrSubPortId indicates the access port for this entry.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberEgrPStats</p> <p>MIB entry name: tmnxSubEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubEgrPStatsTable): The tmnxSubEgrPStatsTable contains egress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrPStatsDrpInProfOcts [Sub Egr PStats Drp In Prof Octs] (tmnxSubEgrPStatsDrpInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpInProfOcts indicates the number of in-profile octets dropped by the egress Pchip.
subEgrPStatsDrpInProfPkts [Sub Egr PStats Drp In Prof Pkts] (tmnxSubEgrPStatsDrpInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpInProfPkts indicates the number of in-profile packets dropped by the egress Pchip.
subEgrPStatsDrpOutProfOcts [Sub Egr PStats Drp Out Prof Octs] (tmnxSubEgrPStatsDrpOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpOutProfOcts indicates the number of out-of-profile octets dropped by the egress Pchip.
subEgrPStatsDrpOutProfPkts [Sub Egr PStats Drp Out Prof Pkts] (tmnxSubEgrPStatsDrpOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpOutProfPkts indicates the number of out-of-profile packets dropped by the egress Pchip.
subEgrPStatsFwdInProfOcts [Sub Egr PStats Fwd In Prof Octs] (tmnxSubEgrPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdInProfOcts indicates the number of in-profile octets forwarded by the egress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrPStatsFwdInProfPkts [Sub Egr PStats Fwd In Prof Pkts] (tmnxSubEgrPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdInProfPkts indicates the number of in-profile packets forwarded by the egress Pchip.
subEgrPStatsFwdOutProfOcts [Sub Egr PStats Fwd Out Prof Octs] (tmnxSubEgrPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdOutProfOcts indicates the number of out-of-profile octets forwarded by the egress Pchip.
subEgrPStatsFwdOutProfPkts [Sub Egr PStats Fwd Out Prof Pkts] (tmnxSubEgrPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded by the egress Pchip.
subEgrPStatsMode [Sub Egr PStats Mode] (tmnxSubEgrPStatsMode)	int	The value of tmnxSubEgrPStatsMode indicates the stat mode used by the policer.
subEgrPStatsOffInProfOcts [Sub Egr PStats Off In Prof Octs] (tmnxSubEgrPStatsOffInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffInProfOcts indicates the number of in-profile octets offered by the egress Pchip.
subEgrPStatsOffInProfPkts [Sub Egr PStats Off In Prof Pkts] (tmnxSubEgrPStatsOffInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffInProfPkts indicates the number of in-profile packets offered by the egress Pchip.
subEgrPStatsOffOutProfOcts [Sub Egr PStats Off Out Prof Octs] (tmnxSubEgrPStatsOffOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffOutProfOcts indicates the number of out-of-profile octets offered by the egress Pchip.
subEgrPStatsOffOutProfPkts [Sub Egr PStats Off Out Prof Pkts] (tmnxSubEgrPStatsOffOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffOutProfPkts indicates the number of out-of-profile packets offered by the egress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrPStatsOffUncolOcts [Sub Egr PStats Off Uncol Octs] (tmnxSubEgrPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffUncolOcts indicates the number of uncolored octets offered by the egress Pchip.
subEgrPStatsPolicyId [Sub Egr PStats Policy Id] (tSapEgrPolicerId)	long	tSapEgrPolicerId defines the SAP Egress Policer identifier. It identifies an sap-egress policer in the managed system.
SubscriberEgrQStats MIB entry name: tmnxSubscriberEgrQStatsEntry Entry description: Egress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberEgrQStatsTable): A table that contains subscriber egress HSMDA queue statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
subEgrQStatsHsmdaQueueId [Sub Egr QStats Hsmda Queue Id] (tmnxSubEgrQStatsQueueId)	long	The value of tmnxSubEgrQStatsQueueId index specifies the Hsmda egress queue for this entry.
subEgrQStatsSubPortId [Sub Egr QStats Sub Port Id] (tmnxSubEgrQStatsSubPortId)	long	The value of tmnxSubEgrQStatsSubPortId indicates the access port for this entry.
SubscriberEgrQV4V6Stats MIB entry name: tmnxSubscriberEgrQStatsEntry Entry description: Egress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberEgrQStatsTable): A table that contains subscriber egress HSMDA queue statistics. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrQStatsDropV4Octets [Sub Egr QStats Drop V4 Octets] (tmnxSubEgrQStatsDropInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropInProfOcts indicates the number of high-priority octets dropped on egress on this subscriber.
subEgrQStatsDropV4Packets [Sub Egr QStats Drop V4 Packets] (tmnxSubEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropInProfPkts indicates the number of high-priority packets dropped on egress on this subscriber.
subEgrQStatsDropV6Octets [Sub Egr QStats Drop V6 Octets] (tmnxSubEgrQStatsDropOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropOutProfOcts indicates the number of low-priority octets dropped on egress on this subscriber.
subEgrQStatsDropV6Packets [Sub Egr QStats Drop V6 Packets] (tmnxSubEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropOutProfPkts indicates the number of low-priority packets dropped on egress on this subscriber.
subEgrQStatsFwdV4Octets [Sub Egr QStats Fwd V4 Octets] (tmnxSubEgrQStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdInProfOcts indicates the number of out-of-profile octets forwarded on egress on this subscriber.
subEgrQStatsFwdV4Packets [Sub Egr QStats Fwd V4 Packets] (tmnxSubEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdInProfPkts indicates the number of in-profile packets forwarded on egress on this subscriber.
subEgrQStatsFwdV6Octets [Sub Egr QStats Fwd V6 Octets] (tmnxSubEgrQStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdOutProfOcts indicates the number of out-of-profile octets forwarded on egress on this subscriber.
subEgrQStatsFwdV6Packets [Sub Egr QStats Fwd V6 Packets] (tmnxSubEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded on egress on this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrQStatsHsmdaQueueId [Sub Egr QStats Hsmda Queue Id] (tmnxSubEgrQStatsQueueId)	long	The value of tmnxSubEgrQStatsQueueId index specifies the Hsmda egress queue for this entry.
subEgrQStatsSubPortId [Sub Egr QStats Sub Port Id] (tmnxSubEgrQStatsSubPortId)	long	The value of tmnxSubEgrQStatsSubPortId indicates the access port for this entry.
<p>SubscriberHsmdaStats MIB entry name: tmnxSubscriberHsmdaStatsEntry Entry description: HSMDA statistics for a specific subscriber. Table description (for tmnxSubscriberHsmdaStatsTable): A table that contains HSMDA subscriber statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
hsmdaStatsSubPortId [Hsmda Stats Sub Port Id] (tmnxSubHsmdaStSubPortId)	long	The value of tmnxSubHsmdaStSubPortId indicates the access port for this entry.
subEgrDropInProfileOctets [Sub Egr Drop In Profile Octets] (tmnxSubHsmdaStEgrDropInProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropInProfOct indicates the number of high-priority octets discarded by the egress Qchip for this subscriber.
subEgrDropInProfilePackets [Sub Egr Drop In Profile Packets] (tmnxSubHsmdaStEgrDropInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropInProfPkt indicates the number of high-priority packets discarded by the egress Qchip for this subscriber.
subEgrDropOutProfileOctets [Sub Egr Drop Out Profile Octets] (tmnxSubHsmdaStEgrDropOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropOutProfOct indicates the number of low-priority octets discarded by the egress Qchip for this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrDropOutProfilePackets [Sub Egr Drop Out Profile Packets] (tmnxSubHsmdaStEgrDropOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropOutProfPkt indicates the number of low-priority packets discarded by the egress Qchip for this subscriber.
subEgrFwdInProfilePackets [Sub Egr Fwd In Profile Packets] (tmnxSubHsmdaStEgrFwdInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdInProfPkt indicates the number of in-profile packets forwarded by the egress Qchip for this subscriber.
subEgrFwdOutProfileOctets [Sub Egr Fwd Out Profile Octets] (tmnxSubHsmdaStEgrFwdOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdOutProfOct indicates the number of out-of-profile octets forwarded by the egress Qchip for this subscriber.
subEgrFwdOutProfilePackets [Sub Egr Fwd Out Profile Packets] (tmnxSubHsmdaStEgrFwdOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdOutProfPkt indicates the number of out-of-profile packets forwarded by the egress Qchip for this subscriber.
subIngDropHiPriorityOctets [Sub Ing Drop Hi Priority Octets] (tmnxSubHsmdaStIngDropHiPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropHiPrioOct indicates the number of high-priority octets discarded by the ingress Qchip for this subscriber.
subIngDropHiPriorityPackets [Sub Ing Drop Hi Priority Packets] (tmnxSubHsmdaStIngDropHiPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropHiPrioPkt indicates the number of high-priority packets discarded by the ingress Qchip for this subscriber.
subIngDropLoPriorityOctets [Sub Ing Drop Lo Priority Octets] (tmnxSubHsmdaStIngDropLoPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropLoPrioOct indicates the number of low-priority octets discarded by the ingress Qchip for this subscriber.
subIngDropLoPriorityPackets [Sub Ing Drop Lo Priority Packets] (tmnxSubHsmdaStIngDropLoPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropLoPrioPkt indicates the number of low-priority packets discarded by the ingress Qchip for this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngFwdInProfileOctets [Sub Ing Fwd In Profile Octets] (tmnxSubHsmdaStIngFwdInProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdInProfOct indicates the number of out-of-profile octets forwarded by the ingress Qchip for this subscriber.
subIngFwdInProfilePackets [Sub Ing Fwd In Profile Packets] (tmnxSubHsmdaStIngFwdInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdInProfPkt indicates the number of in-profile packets forwarded by the ingress Qchip for this subscriber.
subIngFwdOutProfileOctets [Sub Ing Fwd Out Profile Octets] (tmnxSubHsmdaStIngFwdOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdOutProfOct indicates the number of out-of-profile octets forwarded by the ingress Qchip for this subscriber.
subIngFwdOutProfilePackets [Sub Ing Fwd Out Profile Packets] (tmnxSubHsmdaStIngFwdOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdOutProfPkt indicates the number of out-of-profile packets forwarded by the ingress Qchip for this subscriber.
subIngOffHiPrioOct [Sub Ing Off Hi Prio Oct] (tmnxSubHsmdaStIngOffHiPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffHiPrioOct indicates the number of high priority octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffHiPrioOctHw [Sub Ing Off Hi Prio Oct Hw] (tmnxSubHsmdaStIngOffHiPrioOctHw)	long	The value of tmnxSubHsmdaStIngOffHiPrioOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioOct.
subIngOffHiPrioOctLw [Sub Ing Off Hi Prio Oct Lw] (tmnxSubHsmdaStIngOffHiPrioOctLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioOct.
subIngOffHiPrioPkt [Sub Ing Off Hi Prio Pkt] (tmnxSubHsmdaStIngOffHiPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffHiPrioPkt indicates the number of high priority packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngOffHiPrioPktHw [Sub Ing Off Hi Prio Pkt Hw] (tmnxSubHsmdaStIngOffHiPrioPktHw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioPkt.
subIngOffHiPrioPktLw [Sub Ing Off Hi Prio Pkt Lw] (tmnxSubHsmdaStIngOffHiPrioPktLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioPkt.
subIngOffLoPrioOct [Sub Ing Off Lo Prio Oct] (tmnxSubHsmdaStIngOffLoPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffLoPrioOct indicates the number of low priority octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffLoPrioOctHw [Sub Ing Off Lo Prio Oct Hw] (tmnxSubHsmdaStIngOffLoPrioOctHw)	long	The value of tmnxSubHsmdaStIngOffLoPrioOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioOct.
subIngOffLoPrioOctLw [Sub Ing Off Lo Prio Oct Lw] (tmnxSubHsmdaStIngOffLoPrioOctLw)	long	The value of tmnxSubHsmdaStIngOffLoPrioOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioOct.
subIngOffLoPrioPkt [Sub Ing Off Lo Prio Pkt] (tmnxSubHsmdaStIngOffLoPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffLoPrioPkt indicates the number of low priority packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffLoPrioPktHw [Sub Ing Off Lo Prio Pkt Hw] (tmnxSubHsmdaStIngOffLoPrioPktHw)	long	The value of tmnxSubHsmdaStIngOffLoPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioPkt.
subIngOffLoPrioPktLw [Sub Ing Off Lo Prio Pkt Lw] (tmnxSubHsmdaStIngOffLoPrioPktLw)	long	The value of tmnxSubHsmdaStIngOffLoPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioPkt.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngOffTotalOctets [Sub Ing Off Total Octets] (tmnxSubHsmdaStIngOffTotalOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffTotalOct indicates the total number of octets offered on ingress for this subscriber.
subIngOffTotalPackets [Sub Ing Off Total Packets] (tmnxSubHsmdaStIngOffTotalPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffTotalPkt indicates the total number of packets offered on ingress for this subscriber.
subIngOffUncolOct [Sub Ing Off Uncol Oct] (tmnxSubHsmdaStIngOffUncolOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffUncolOct indicates the number of uncolored octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffUncolOctHw [Sub Ing Off Uncol Oct Hw] (tmnxSubHsmdaStIngOffUncolOctHw)	long	The value of tmnxSubHsmdaStIngOffUncolOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffUncolOct.
subIngOffUncolOctLw [Sub Ing Off Uncol Oct Lw] (tmnxSubHsmdaStIngOffUncolOctLw)	long	The value of tmnxSubHsmdaStIngOffUncolOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffUncolOct.
subIngOffUncolPkt [Sub Ing Off Uncol Pkt] (tmnxSubHsmdaStIngOffUncolPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffUncolPkt indicates the number of uncolored packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffUncolPktHw [Sub Ing Off Uncol Pkt Hw] (tmnxSubHsmdaStIngOffUncolPktHw)	long	The value of tmnxSubHsmdaStIngOffUncolPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffUncolPkt.
subIngOffUncolPktLw [Sub Ing Off Uncol Pkt Lw] (tmnxSubHsmdaStIngOffUncolPktLw)	long	The value of tmnxSubHsmdaStIngOffUncolPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffUncolPkt.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberHsmdaV4V6Stats</p> <p>MIB entry name: tmnxSubscriberHsmdaStatsEntry</p> <p>Entry description: HSMDA statistics for a specific subscriber.</p> <p>Table description (for tmnxSubscriberHsmdaStatsTable): A table that contains HSMDA subscriber statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
hsmdaStatsSubPortId [Hsmda Stats Sub Port Id] (tmnxSubHsmdaStSubPortId)	long	The value of tmnxSubHsmdaStSubPortId indicates the access port for this entry.
subEgrDropV4Octets [Sub Egr Drop V4 Octets] (tmnxSubHsmdaStEgrDropV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV4Octets indicates the number of IPv4 octets discarded by the egress Qchip for this subscriber.
subEgrDropV4Packets [Sub Egr Drop V4 Packets] (tmnxSubHsmdaStEgrDropV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV4Packets indicates the number of IPv4 packets discarded by the egress Qchip for this subscriber.
subEgrDropV6Octets [Sub Egr Drop V6 Octets] (tmnxSubHsmdaStEgrDropV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV6Octets indicates the number of IPv6 octets discarded by the egress Qchip for this subscriber.
subEgrDropV6Packets [Sub Egr Drop V6 Packets] (tmnxSubHsmdaStEgrDropV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV6Packets indicates the number of IPv6 packets discarded by the egress Qchip for this subscriber.
subEgrFwdV4Octets [Sub Egr Fwd V4 Octets] (tmnxSubHsmdaStEgrFwdV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV4Octets indicates the number of IPv4 octets forwarded by the egress Qchip for this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrFwdV4Packets [Sub Egr Fwd V4 Packets] (tmnxSubHsmdaStEgrFwdV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV4Packets indicates the number of IPv4 packets forwarded by the egress Qchip for this subscriber.
subEgrFwdV6Octets [Sub Egr Fwd V6 Octets] (tmnxSubHsmdaStEgrFwdV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV6Octets indicates the number of IPv6 octets forwarded by the egress Qchip for this subscriber.
subEgrFwdV6Packets [Sub Egr Fwd V6 Packets] (tmnxSubHsmdaStEgrFwdV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV6Packets indicates the number of IPv6 packets forwarded by the egress Qchip for this subscriber.
subIngDropV4Octets [Sub Ing Drop V4 Octets] (tmnxSubHsmdaStIngDropV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV4Octets indicates the number of IPv4 octets discarded by the ingress Qchip for this subscriber.
subIngDropV4Packets [Sub Ing Drop V4 Packets] (tmnxSubHsmdaStIngDropV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV4Packets indicates the number of IPv4 packets discarded by the ingress Qchip for this subscriber.
subIngDropV6Octets [Sub Ing Drop V6 Octets] (tmnxSubHsmdaStIngDropV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV6Octets indicates the number of IPv6 octets discarded by the ingress Qchip for this subscriber.
subIngDropV6Packets [Sub Ing Drop V6 Packets] (tmnxSubHsmdaStIngDropV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV6Packets indicates the number of IPv6 packets discarded by the ingress Qchip for this subscriber.
subIngFwdV4Octets [Sub Ing Fwd V4 Octets] (tmnxSubHsmdaStIngFwdV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV4Octets indicates the number of IPv4 octets forwarded by the ingress Qchip for this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngFwdV4Packets [Sub Ing Fwd V4 Packets] (tmnxSubHsmdaStIngFwdV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV4Packets indicates the number of IPv4 packets forwarded by the ingress Qchip for this subscriber.
subIngFwdV6Octets [Sub Ing Fwd V6 Octets] (tmnxSubHsmdaStIngFwdV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV6Octets indicates the number of IPv6 octets forwarded by the ingress Qchip for this subscriber.
subIngFwdV6Packets [Sub Ing Fwd V6 Packets] (tmnxSubHsmdaStIngFwdV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV6Packets indicates the number of IPv6 packets forwarded by the ingress Qchip for this subscriber.
subIngOffV4Octets [Sub Ing Off V4 Octets] (tmnxSubHsmdaStIngOffV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV4Octets indicates the number of IPv4 octets offered on ingress for this subscriber.
subIngOffV4Packets [Sub Ing Off V4 Packets] (tmnxSubHsmdaStIngOffV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV4Packets indicates the number of IPv4 packets offered on ingress for this subscriber.
subIngOffV6Octets [Sub Ing Off V6 Octets] (tmnxSubHsmdaStIngOffV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV6Octets indicates the number of IPv6 octets offered on ingress for this subscriber.
subIngOffV6Packets [Sub Ing Off V6 Packets] (tmnxSubHsmdaStIngOffV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV6Packets indicates the number of IPv6 packets offered on ingress for this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberIngPStats</p> <p>MIB entry name: tmnxSubIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubIngPStatsTable): The tmnxSubIngPStatsTable contains ingress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngPStatsDrpHiPrioOctsH [Sub Ing PStats Drp Hi Prio Octs H] (tmnxSubIngPStatsDrpHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpHiPrioOcts.
subIngPStatsDrpHiPrioOctsL [Sub Ing PStats Drp Hi Prio Octs L] (tmnxSubIngPStatsDrpHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpHiPrioOcts.
subIngPStatsDrpHiPrioPktsH [Sub Ing PStats Drp Hi Prio Pkts H] (tmnxSubIngPStatsDrpHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpHiPrioPkts.
subIngPStatsDrpHiPrioPktsL [Sub Ing PStats Drp Hi Prio Pkts L] (tmnxSubIngPStatsDrpHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpHiPrioPkts.
subIngPStatsDrpLoPrioOctsH [Sub Ing PStats Drp Lo Prio Octs H] (tmnxSubIngPStatsDrpLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpLoPrioOcts.
subIngPStatsDrpLoPrioOctsL [Sub Ing PStats Drp Lo Prio Octs L] (tmnxSubIngPStatsDrpLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpLoPrioOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsDrpLoPrioPktsH [Sub Ing PStats Drp Lo Prio Pkts H] (tmnxSubIngPStatsDrpLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpLoPrioPkts.
subIngPStatsDrpLoPrioPktsL [Sub Ing PStats Drp Lo Prio Pkts L] (tmnxSubIngPStatsDrpLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpLoPrioPkts.
subIngPStatsFwdInProfOctsH [Sub Ing PStats Fwd In Prof Octs H] (tmnxSubIngPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdInProfOcts.
subIngPStatsFwdInProfOctsL [Sub Ing PStats Fwd In Prof Octs L] (tmnxSubIngPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdInProfOcts.
subIngPStatsFwdInProfPktsH [Sub Ing PStats Fwd In Prof Pkts H] (tmnxSubIngPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdInProfPkts.
subIngPStatsFwdInProfPktsL [Sub Ing PStats Fwd In Prof Pkts L] (tmnxSubIngPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdInProfPkts.
subIngPStatsFwdOutProfOctsH [Sub Ing PStats Fwd Out Prof Octs H] (tmnxSubIngPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdOutProfOcts.
subIngPStatsFwdOutProfOctsL [Sub Ing PStats Fwd Out Prof Octs L] (tmnxSubIngPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdOutProfOcts.
subIngPStatsFwdOutProfPktsH [Sub Ing PStats Fwd Out Prof Pkts H] (tmnxSubIngPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdOutProfPkts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsFwdOutProfPktsL [Sub Ing PStats Fwd Out Prof Pkts L] (tmnxSubIngPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdOutProfPkts.
subIngPStatsMode [Sub Ing PStats Mode] (tmnxSubIngPStatsMode)	int	The value of tmnxSubIngPStatsMode indicates the stat mode used by the policer.
subIngPStatsOffHiPrioOctsH [Sub Ing PStats Off Hi Prio Octs H] (tmnxSubIngPStatsOffHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffHiPrioOcts.
subIngPStatsOffHiPrioOctsL [Sub Ing PStats Off Hi Prio Octs L] (tmnxSubIngPStatsOffHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffHiPrioOcts.
subIngPStatsOffHiPrioPktsH [Sub Ing PStats Off Hi Prio Pkts H] (tmnxSubIngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffHiPrioPktsL [Sub Ing PStats Off Hi Prio Pkts L] (tmnxSubIngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffLoPrioOctsH [Sub Ing PStats Off Lo Prio Octs H] (tmnxSubIngPStatsOffLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffLoPrioOcts.
subIngPStatsOffLoPrioOctsL [Sub Ing PStats Off Lo Prio Octs L] (tmnxSubIngPStatsOffLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffLoPrioOcts.
subIngPStatsOffLoPrioPktsH [Sub Ing PStats Off Lo Prio Pkts H] (tmnxSubIngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffLoPrioPkts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsOffLoPrioPktsL [Sub Ing PStats Off Lo Prio Pkts L] (tmnxSubIngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffLoPrioPkts.
subIngPStatsOffUncolOcts [Sub Ing PStats Off Uncol Octs] (tmnxSubIngPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffUncolOcts indicates the number of uncolored octets offered to the ingress Pchip.
subIngPStatsOffUncolOctsH [Sub Ing PStats Off Uncol Octs H] (tmnxSubIngPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffUncolOcts.
subIngPStatsOffUncolOctsL [Sub Ing PStats Off Uncol Octs L] (tmnxSubIngPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffUncolOcts.
subIngPStatsOffUncolPkts [Sub Ing PStats Off Uncol Pkts] (tmnxSubIngPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Pchip.
subIngPStatsOffUncolPktsH [Sub Ing PStats Off Uncol Pkts H] (tmnxSubIngPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffUncolPkts.
subIngPStatsOffUncolPktsL [Sub Ing PStats Off Uncol Pkts L] (tmnxSubIngPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffUncolPkts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberIngPV4V6Stats</p> <p>MIB entry name: tmnxSubIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubIngPStatsTable): The tmnxSubIngPStatsTable contains ingress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngPStatsDrpV4Octs [Sub Ing PStats Drp V4 Octs] (tmnxSubIngPStatsDrpHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
subIngPStatsDrpV4Pkts [Sub Ing PStats Drp V4 Pkts] (tmnxSubIngPStatsDrpHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpHiPrioPkts indicates the number of high priority packets dropped by the Qchip.
subIngPStatsDrpV6Octs [Sub Ing PStats Drp V6 Octs] (tmnxSubIngPStatsDrpLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
subIngPStatsDrpV6Pkts [Sub Ing PStats Drp V6 Pkts] (tmnxSubIngPStatsDrpLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpLoPrioPkts indicates the number of low priority packets dropped by the Pchip.
subIngPStatsFwdV4Octs [Sub Ing PStats Fwd V4 Octs] (tmnxSubIngPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsFwdV4Pkts [Sub Ing PStats Fwd V4 Pkts] (tmnxSubIngPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
subIngPStatsFwdV6Octs [Sub Ing PStats Fwd V6 Octs] (tmnxSubIngPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
subIngPStatsFwdV6Pkts [Sub Ing PStats Fwd V6 Pkts] (tmnxSubIngPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
subIngPStatsMode [Sub Ing PStats Mode] (tmnxSubIngPStatsMode)	int	The value of tmnxSubIngPStatsMode indicates the stat mode used by the policer.
subIngPStatsOffV4Octs [Sub Ing PStats Off V4 Octs] (tmnxSubIngPStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
subIngPStatsOffV4Pkts [Sub Ing PStats Off V4 Pkts] (tmnxSubIngPStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffHiPrioPkts indicates the number of high priority packets offered by the Pchip to the Qchip.
subIngPStatsOffV6Octs [Sub Ing PStats Off V6 Octs] (tmnxSubIngPStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
subIngPStatsOffV6Pkts [Sub Ing PStats Off V6 Pkts] (tmnxSubIngPStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffLoPrioPkts indicates the number of low priority packets offered by the Pchip to the Qchip.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsPolicerId [Sub Ing PStats Policer Id] (tSapIngPolicerId)	long	tSapIngPolicerId defines the SAP Ingress Policer identifier. It identifies an sap-ingress policer in the managed system.
<p>SubscriberIngQStats MIB entry name: tmnxSubscriberIngQStatsEntry Entry description: Ingress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberIngQStatsTable): A table that contains subscriber ingress HSMDA queue statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngQStatsHsmdaQueueId [Sub Ing QStats Hsmda Queue Id] (tmnxSubIngQStatsQueueId)	long	The value of tmnxSubIngQStatsQueueId index specifies the Hsmda ingress queue for this entry.
subIngQStatsOffHiPrioOctsHw [Sub Ing QStats Off Hi Prio Octs Hw] (tmnxSubIngQStatsOffHiPrioOctsHw)	long	The value of tmnxSubIngQStatsOffHiPrioOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffHiPrioOcts.
subIngQStatsOffHiPrioOctsLw [Sub Ing QStats Off Hi Prio Octs Lw] (tmnxSubIngQStatsOffHiPrioOctsLw)	long	The value of tmnxSubIngQStatsOffHiPrioOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffHiPrioOcts.
subIngQStatsOffHiPrioPktsHw [Sub Ing QStats Off Hi Prio Pkts Hw] (tmnxSubIngQStatsOffHiPrioPktsHw)	long	The value of tmnxSubIngQStatsOffHiPrioPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffHiPrioPkts.
subIngQStatsOffHiPrioPktsLw [Sub Ing QStats Off Hi Prio Pkts Lw] (tmnxSubIngQStatsOffHiPrioPktsLw)	long	The value of tmnxSubIngQStatsOffHiPrioPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffHiPrioPkts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffLoPrioOctsHw [Sub Ing QStats Off Lo Prio Octs Hw] (tmnxSubIngQStatsOffLoPrioOctsHw)	long	The value of tmnxSubIngQStatsOffLoPrioOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffLoPrioOcts.
subIngQStatsOffLoPrioOctsLw [Sub Ing QStats Off Lo Prio Octs Lw] (tmnxSubIngQStatsOffLoPrioOctsLw)	long	The value of tmnxSubIngQStatsOffLoPrioOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffLoPrioOcts.
subIngQStatsOffLoPrioPktsHw [Sub Ing QStats Off Lo Prio Pkts Hw] (tmnxSubIngQStatsOffLoPrioPktsHw)	long	The value of tmnxSubIngQStatsOffLoPrioPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffLoPrioPkts.
subIngQStatsOffLoPrioPktsLw [Sub Ing QStats Off Lo Prio Pkts Lw] (tmnxSubIngQStatsOffLoPrioPktsLw)	long	The value of tmnxSubIngQStatsOffLoPrioPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffLoPrioPkts.
subIngQStatsOffTotalOctets [Sub Ing QStats Off Total Octets] (tmnxSubIngQStatsOffTotalOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffTotalOcts indicates the total number of octets offered on ingress on this subscriber.
subIngQStatsOffTotalPackets [Sub Ing QStats Off Total Packets] (tmnxSubIngQStatsOffTotalPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffTotalPkts indicates the total number of packets offered for this subscriber.
subIngQStatsOffUncolOcts [Sub Ing QStats Off Uncol Octs] (tmnxSubIngQStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffUncolOcts indicates the number of uncolored octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffUncolOctsHw [Sub Ing QStats Off Uncol Octs Hw] (tmnxSubIngQStatsOffUncolOctsHw)	long	The value of tmnxSubIngQStatsOffUncolOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffUncolOcts.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffUncolOctsLw [Sub Ing QStats Off Uncol Octs Lw] (tmnxSubIngQStatsOffUncolOctsLw)	long	The value of tmnxSubIngQStatsOffUncolOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffUncolOcts.
subIngQStatsOffUncolPkts [Sub Ing QStats Off Uncol Pkts] (tmnxSubIngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffUncolPkts indicates the number of uncolored packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffUncolPktsHw [Sub Ing QStats Off Uncol Pkts Hw] (tmnxSubIngQStatsOffUncolPktsHw)	long	The value of tmnxSubIngQStatsOffUncolPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffUncolPkts.
subIngQStatsOffUncolPktsLw [Sub Ing QStats Off Uncol Pkts Lw] (tmnxSubIngQStatsOffUncolPktsLw)	long	The value of tmnxSubIngQStatsOffUncolPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffUncolPkts.
subIngQStatsSubPortId [Sub Ing QStats Sub Port Id] (tmnxSubIngQStatsSubPortId)	long	The value of tmnxSubIngQStatsSubPortId indicates the access port for this entry.
<p>SubscriberIngQV4V6Stats</p> <p>MIB entry name: tmnxSubscriberIngQStatsEntry</p> <p>Entry description: Ingress statistics about a specific subscriber's HSMDA queue.</p> <p>Table description (for tmnxSubscriberIngQStatsTable): A table that contains subscriber ingress HSMDA queue statistics.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngQStatsDropV4Octets [Sub Ing QStats Drop V4 Octets] (tmnxSubIngQStatsDropHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropHiPrioOcts indicates the number of high-priority octets dropped on ingress on this subscriber.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsDropV4Packets [Sub Ing QStats Drop V4 Packets] (tmnxSubIngQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropHiPrioPkts indicates the number of high-priority packets dropped on ingress on this subscriber.
subIngQStatsDropV6Octets [Sub Ing QStats Drop V6 Octets] (tmnxSubIngQStatsDropLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropLoPrioOcts indicates the number of low-priority octets dropped on ingress on this subscriber.
subIngQStatsDropV6Packets [Sub Ing QStats Drop V6 Packets] (tmnxSubIngQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropLoPrioPkts indicates the number of low-priority packets dropped on ingress on this subscriber.
subIngQStatsFwdV4Octets [Sub Ing QStats Fwd V4 Octets] (tmnxSubIngQStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdInProfOcts indicates the number of out-of-profile octets forwarded on ingress on this subscriber.
subIngQStatsFwdV4Packets [Sub Ing QStats Fwd V4 Packets] (tmnxSubIngQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdInProfPkts indicates the number of in-profile packets forwarded on ingress on this subscriber.
subIngQStatsFwdV6Octets [Sub Ing QStats Fwd V6 Octets] (tmnxSubIngQStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdOutProfOcts indicates the number of out-of-profile octets forwarded on ingress on this subscriber.
subIngQStatsFwdV6Packets [Sub Ing QStats Fwd V6 Packets] (tmnxSubIngQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded on ingress on this subscriber.
subIngQStatsHsmdaQueueId [Sub Ing QStats Hsmda Queue Id] (tmnxSubIngQStatsQueueId)	long	The value of tmnxSubIngQStatsQueueId index specifies the Hsmda ingress queue for this entry.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffV4Octs [Sub Ing QStats Off V4 Octs] (tmnxSubIngQStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffHiPrioOcts indicates the number of high-priority octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV4Pkts [Sub Ing QStats Off V4 Pkts] (tmnxSubIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffHiPrioPkts indicates the number of high-priority packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV6Octs [Sub Ing QStats Off V6 Octs] (tmnxSubIngQStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffLoPrioOcts indicates the number of low-priority octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV6Pkts [Sub Ing QStats Off V6 Pkts] (tmnxSubIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffLoPrioPkts indicates the number of low-priority packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsSubPortId [Sub Ing QStats Sub Port Id] (tmnxSubIngQStatsSubPortId)	long	The value of tmnxSubIngQStatsSubPortId indicates the access port for this entry.
<p>SubscriberServiceStats</p> <p>MIB entry name: tmnxSubHostInfoV2Entry</p> <p>Entry description: Each row entry contains information about a particular subscriber host available in the system.</p> <p>Table description (for tmnxSubHostInfoV2Table): The tmnxSubHostInfoV2Table has an entry for each subscriber host found in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.SubscriberService</p>		
ipAddress [Ip Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipAddressType [Ip Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.
macAddress [Mac Address] (tmnxSubHostInfoV2MacAddress)	String	The value of tmnxSubHostInfoV2MacAddress specifies the MAC address of this subscriber host.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
pppoeSessionId [Pppoe Session Id] (tmnxSubHostInfoV2PppoeSessionId)	long	The value of tmnxSubHostInfoV2PppoeSessionId specifies the PPPoE session id of this subscriber host.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
subSvcId [Sub Svc Id] (tmnxSubSvcId)	long	The value of tmnxSubSvcId indicates the identifier of this subscriber service.
subSvcInOcts [Sub Svc In Octs] (tmnxSubSvcInOcts)	java. math. BigInteger	The value of tmnxSubSvcInOcts indicates the number of ingress octets sent for this subscriber service.
subSvcInPkts [Sub Svc In Pkts] (tmnxSubSvcInPkts)	java. math. BigInteger	The value of tmnxSubSvcInPkts indicates the number of ingress packets sent for this subscriber service.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subSvcOutOcts [Sub Svc Out Octs] (tmnxSubSvcOutOcts)	java. math. BigInteger	The value of tmnxSubSvcOutOcts indicates the number of egress octets sent for this subscriber service.
subSvcOutPckts [Sub Svc Out Pckts] (tmnxSubSvcOutPckts)	java. math. BigInteger	The value of tmnxSubSvcOutPckts indicates the number of egress packets sent for this subscriber service.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>TotalPppSubscrSessionStats MIB entry name: tmnxSubPppTypeEntry Entry description: Each conceptual row represents information about a specific type of subscriber PPP. Entries in this table are created and destroyed by the system. Table description (for tmnxSubPppTypeTable): The tmnxSubPppTypeTable has an entry for each each type of subscriber PPP Session. Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
pPpType [PPType] (tmnxSubPppTypeIndex)	int	The value of the object tmnxSubPppTypeIndex indicates the type of subscriber PPP.
pPpL2tp [PPPo L2 tp] (tmnxSubPppTypeSessions)	long	The value of the object tmnxSubPppTypeSessions indicates the actual number of PPP session of this type.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WholesalerRetailerStats</p> <p>MIB entry name: svcWholesalerInfoEntry</p> <p>Entry description: Each row entry represents the attributes of a wholesaler-retailer pairing. Entries are created/destroyed when forwarding interfaces are defined.</p> <p>Table description (for svcWholesalerInfoTable): The svcWholesalerInfoTable has an entry for each wholesaler service associated with a retailer service on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.Site • vprn.Site 		
numArpHosts [Num Arp Hosts] (svcWholesalerNumArpHosts)	long	The value of svcWholesalerNumArpHosts indicates the number of ARP hosts in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numDhcp6LeaseStates [Num Dhcp 6 Lease States] (svcWholesalerNumDhcp6LeaseStates)	long	The value of svcWholesalerNumDhcp6LeaseStates indicates the number of DHCPv6 lease states in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numDhcpLeaseStates [Num Dhcp Lease States] (svcWholesalerNumDhcpLeaseStates)	long	The value of svcWholesalerNumDhcpLeaseStates indicates the number of DHCP lease states in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numDynamicHosts [Num Dynamic Hosts] (svcWholesalerNumDynamicHosts)	long	The value of svcWholesalerNumDynamicHosts indicates the number of dynamic hosts in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numIpcpHosts [Num Ipcp Hosts] (svcWholesalerNumIpcpHosts)	long	The value of svcWholesalerNumIpcpHosts indicates the number of PPP IPCP hosts in the wholesaler indicated by svcWholesalerID that belong to the retailer service.

Table 284 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numIpoESessions [Num IpoE Sessions] (svcWholesalerNumIpoESessions)	long	The value of svcWholesalerNumIpoESessions indicates the number of IPoE sessions in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numPppoeSessions [Num Pppoe Sessions] (svcWholesalerNumPppoeSessions)	long	The value of svcWholesalerNumPppoeSessions indicates the number of PPPoE sessions in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numSlaacHosts [Num Slaac Hosts] (svcWholesalerNumSlaacHosts)	long	The value of svcWholesalerNumSlaacHosts indicates the number of SLAAC hosts in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numStatic6Hosts [Num Static 6 Hosts] (svcWholesalerNumStatic6Hosts)	long	The value of svcWholesalerNumStatic6Hosts indicates the number of static ipv6 hosts in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numStaticHosts [Num Static Hosts] (svcWholesalerNumStaticHosts)	long	The value of svcWholesalerNumStaticHosts indicates the number of static hosts in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
svclD [Svc Id] (svclD)	long	The value of the object svclD specifies the Service identifier. This value should be unique within the service domain.
wholesalerID [Wholesaler ID] (svcWholesalerID)	long	The value of svcWholesalerID is used to specify the service ID of the wholesaler.

Table 285 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceReceiveStats MIB entry name: vRtrRipIfStatEntry Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface. Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		
badPackets [Bad Packets] (vRtrRipIfStatAllRcvBadPackets)	long	vRtrRipIfStatAllRcvBadPackets is the number of RIP updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (vRtrRipIfStatV1BadRoutes)	long	vRtrRipIfStatV1BadRoutes is the number of routes, in valid RIPv1 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (vRtrRipIfStatV1RcvRequests)	long	vRtrRipIfStatV1RcvRequests is the number of RIPv1 request packets received by the RIP process.
v1RequestsIgnored [V1 Requests Ignored] (vRtrRipIfStatV1BadRequests)	long	vRtrRipIfStatV1BadRequests is the number of RIPv1 request packets received by the RIP process that were subsequently discarded for any reason.
v1Updates [V1 Updates] (vRtrRipIfStatV1RcvUpdates)	long	vRtrRipIfStatV1RcvUpdates is the number of RIPv1 response packets received by the RIP process.
v1UpdatesIgnored [V1 Updates Ignored] (vRtrRipIfStatV1BadUpdates)	long	vRtrRipIfStatV1BadUpdates is the number of RIPv1 response packets received by the RIP process which were subsequently discarded for any reason.

Table 285 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (vRtrRipIfStatAuthErrors)	long	vRtrRipIfStatAuthErrors is the number of RIPv2 packets received by the RIP process which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (vRtrRipIfStatV2BadRoutes)	long	vRtrRipIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (vRtrRipIfStatV2RcvRequests)	long	vRtrRipIfStatV2RcvRequests is the number of RIPv2 request packets received by the RIP process.
v2RequestsIgnored [V2 Requests Ignored] (vRtrRipIfStatV2BadRequests)	long	vRtrRipIfStatV2BadRequests is the number of RIPv2 request packets received by the RIP process that were subsequently discarded for any reason.
v2Updates [V2 Updates] (vRtrRipIfStatV2RcvUpdates)	long	vRtrRipIfStatV2RcvUpdates is the number of RIPv2 response packets received by the RIP process.
v2UpdatesIgnored [V2 Updates Ignored] (vRtrRipIfStatV2BadUpdates)	long	vRtrRipIfStatV2BadUpdates is the number of RIPv2 response packets received by the RIP process which were subsequently discarded for any reason.
<p>InterfaceTransmitStats</p> <p>MIB entry name: vRtrRipIfStatEntry</p> <p>Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface.</p> <p>Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		

Table 285 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (vRtrRipIfStatAllSentUpdates)	long	vRtrRipIfStatAllSentUpdates is the number of all RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (vRtrRipIfStatAllTriggeredUpdates)	long	vRtrRipIfStatAllTriggeredUpdates is the number of triggered RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 286 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
RsvpInterfaceStats MIB entry name: vRtrRsvplfEntry Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation. Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB. Supports realtime plotting Supports scheduled collection Monitored class: rsvp.Interface		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth indicates the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 286 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 287 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
tTl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>Dhcp6DropStats</p> <p>MIB entry name: vRtrDHCP6DropStatEntry</p> <p>Entry description: Each row entry represents a collection of DHCP6 drop reason statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrDHCP6DropStatTable): The vRtrDHCP6DropStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
authenticationFailedPktsDropped [Authentication Failed Pkts Dropped] (vRtrDHCP6DropStatPktsDropped)	long	The value of vRtrDHCP6DropStatPktsDropped indicates the number of DHCP6 packets were dropped for the reason described in vRtrDHCP6DropStatReason.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dhcp6Stats</p> <p>MIB entry name: vRtrDHCP6MsgStatEntry</p> <p>Entry description: Each row entry represents a collection of counters for each DHCP6 message type for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
dhcp6MsgTypeMaxValueDrpPkts [Dhcp 6 Msg Type Max Value Drp Pkts] (vRtrDHCP6MsgStatsDropped)	long	The value of vRtrDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.
dhcp6MsgTypeMaxValueRxPkts [Dhcp 6 Msg Type Max Value Rx Pkts] (vRtrDHCP6MsgStatsRcvd)	long	The value of vRtrDHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.
dhcp6MsgTypeMaxValueTxPkts [Dhcp 6 Msg Type Max Value Tx Pkts] (vRtrDHCP6MsgStatsSent)	long	The value of vRtrDHCP6MsgStatsSent indicates the number of DHCP6 packets were sent of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxNq [Client Pkts Prox Nq] (vRtrIfDHCPRelayClientPktsProxNq)	long	The value of the object vRtrIfDHCPRelayClientPktsProxNq indicates the total number of client packets proxied by the DHCP relay agent based on data received from a Diameter NASREQ server.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
clientPktsProxUDB [Client Pkts Prox UDB] (vRtrIfDHCPRelayClientPktsProxUDB)	long	vRtrIfDHCPRelayClientPktsProxUDB indicates the total number of client packets proxied by the DHCP relay agent based on the local user database.
clientPktsStream [Client Pkts Stream] (vRtrIfDHCPRelayClientPktsStream)	long	The value of the object vRtrIfDHCPRelayClientPktsStream indicates the total number of received client packets scheduled for streaming to an external server, by the DHCP proxy function.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>DhcpRelayV6Stats</p> <p>MIB entry name: svclfdHCP6MsgStatEntry</p> <p>Entry description: Each row entry represents a collection of counters for each DHCP6 message type for an interface in a service. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for svclfdHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each interface defined in a service for which DHCP6 can be enabled.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayV6Configuration • rtr.DhcpRelayV6ProxyServer 		

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (svclfdHCP6MsgStatsDropped)	long	The value of svclfdHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped on this service interface.
receivedPackets [Received Packets] (svclfdHCP6MsgStatsRcvd)	long	The value of svclfdHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received on this service interface.
transmittedPackets [Transmitted Packets] (svclfdHCP6MsgStatsSent)	long	The value of svclfdHCP6MsgStatsSent indicates the number of DHCP6 packets were sent on this service interface.
<p>IpInterfaceAdditionalStats MIB entry name: vRtrIfStatsExtEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsExtTable): The vRtrIfStatsExtTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • service.GroupInterface • service.L3AccessInterface • vprn.NetworkInterface 		
rxMplsBytes [Rx Mpls Bytes] (vRtrIfRxMplsBytes)	java. math. BigInteger	The value of vRtrIfRxMplsBytes indicates the total number of MPLS bytes received by this interface.
rxMplsPkts [Rx Mpls Pkts] (vRtrIfRxMplsPkts)	java. math. BigInteger	The value of vRtrIfRxMplsPkts indicates the total number of MPLS packets received by this interface.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBytes [Tx Bytes] (vRtrIfTxBytes)	java. math. BigInteger	The value of vRtrIfTxBytes indicates the number of total bytes sent by this interface.
txBytesHigh32 [Tx Bytes High 32] (vRtrIfTxBytesHigh32)	long	The value of vRtrIfTxBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxBytes.
txBytesLow32 [Tx Bytes Low 32] (vRtrIfTxBytesLow32)	long	The value of vRtrIfTxBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxBytes.
txMplsBytes [Tx Mpls Bytes] (vRtrIfTxMplsBytes)	java. math. BigInteger	The value of vRtrIfTxMplsBytes indicates the total number of MPLS bytes sent by this interface.
txMplsPkts [Tx Mpls Pkts] (vRtrIfTxMplsPkts)	java. math. BigInteger	The value of vRtrIfTxMplsPkts indicates the total number of MPLS packets sent by this interface.
txPkts [Tx Pkts] (vRtrIfTxPkts)	java. math. BigInteger	The value of vRtrIfTxPkts indicates the number of total packets sent by this interface.
txPktsHigh32 [Tx Pkts High 32] (vRtrIfTxPktsHigh32)	long	The value of vRtrIfTxPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxPkts.
txPktsLow32 [Tx Pkts Low 32] (vRtrIfTxPktsLow32)	long	The value of vRtrIfTxPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxPkts.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
rxV4Bytes [Rx V4 Bytes] (vRtrIfRxV4Bytes)	java. math. BigInteger	The value of vRtrIfRxV4Bytes indicates the number of bytes in IPv4 packets received by this interface.
rxV4Pkts [Rx V4 Pkts] (vRtrIfRxV4Pkts)	java. math. BigInteger	The value of vRtrIfRxV4Pkts indicates the number of IPv4 packets received by this interface.
rxV6Bytes [Rx V6 Bytes] (vRtrIfRxV6Bytes)	java. math. BigInteger	The value of vRtrIfRxV6Bytes indicates the number of bytes in IPv6 packets received by this interface.
rxV6BytesHigh32 [Rx V6 Bytes High 32] (vRtrIfRxV6BytesHigh32)	long	The value of vRtrIfRxV6BytesHigh32 indicates the high 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6BytesLow32 [Rx V6 Bytes Low 32] (vRtrIfRxV6BytesLow32)	long	The value of vRtrIfRxV6BytesLow32 indicates the lower 32 bits word of the value of vRtrIfRxV6Bytes.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV6Pkts [Rx V6 Pkts] (vRtrIfRxV6Pkts)	java. math. BigInteger	The value of vRtrIfRxV6Pkts indicates the number of IPv6 packets received by this interface.
rxV6PktsHigh32 [Rx V6 Pkts High 32] (vRtrIfRxV6PktsHigh32)	long	The value of vRtrIfRxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfRxV6Pkts.
rxV6PktsLow32 [Rx V6 Pkts Low 32] (vRtrIfRxV6PktsLow32)	long	The value of vRtrIfRxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfRxV6Pkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>MacAccountingStats MIB entry name: vRtrIfMacAccountingStatsEntry Entry description: Each row entry represents the MAC statistics per virtual router interface. Table description (for vRtrIfMacAccountingStatsTable): The vRtrIfMacAccountingStatsTable table contains MAC statistics per virtual router interface. Does not support realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.NetworkInterface • service.L3AccessInterface </p>		
inFrames [In Frames] (vRtrIfMacAccountingInFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInFrames indicates the number of total frames received in this MAC Address.
inFramesHigh32 [In Frames High 32] (vRtrIfMacAccountingInFramesH)	long	The value of vRtrIfMacAccountingInFramesH indicates the higher 32 bits of vRtrIfMacAccountingInFrames.
inFramesLow32 [In Frames Low 32] (vRtrIfMacAccountingInFramesL)	long	The value of vRtrIfMacAccountingInFramesL indicates the lower 32 bits of vRtrIfMacAccountingInFrames.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOctets [In Octets] (vRtrIfMacAccountingInOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInOctets indicates the number of total octets received in this MAC Address.
inOctetsHigh32 [In Octets High 32] (vRtrIfMacAccountingInOctetsH)	long	The value of vRtrIfMacAccountingInOctetsH indicates the higher 32 bits of vRtrIfMacAccountingInOctets.
inOctetsLow32 [In Octets Low 32] (vRtrIfMacAccountingInOctetsL)	long	The value of vRtrIfMacAccountingInOctetsL indicates the lower 32 bits of vRtrIfMacAccountingInOctets.
macAddress [Mac Address] (vRtrIfSourceMacAddress)	String	The value of the object vRtrIfSourceMacAddress indicates the source MAC address.
outFrames [Out Frames] (vRtrIfMacAccountingOutFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutFrames indicates the number of total frames transmitted in this MAC Address.
outFramesHigh32 [Out Frames High 32] (vRtrIfMacAccountingOutFramesH)	long	The value of vRtrIfMacAccountingOutFramesH indicates the higher 32 bits of vRtrIfMacAccountingOutFrames.
outFramesLow32 [Out Frames Low 32] (vRtrIfMacAccountingOutFramesL)	long	The value of vRtrIfMacAccountingOutFramesL indicates the lower 32 bits of vRtrIfMacAccountingOutFrames.
outOctets [Out Octets] (vRtrIfMacAccountingOutOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutOctets indicates the number of total octets transmitted in this MAC Address.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOctetsHigh32 [Out Octets High 32] (vRtrIfMacAccountingOutOctetsH)	long	The value of vRtrIfMacAccountingOutOctetsH indicates the higher 32 bits of vRtrIfMacAccountingOutOctets.
outOctetsLow32 [Out Octets Low 32] (vRtrIfMacAccountingOutOctetsL)	long	The value of vRtrIfMacAccountingOutOctetsL indicates the lower 32 bits of vRtrIfMacAccountingOutOctets.
<p>NetworkInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface </p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV4Bytes [URPFCheck Fail V4 Bytes] (vRtrIfV4uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailBytes indicates the number of bytes in IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV4Pkts [URPFCheck Fail V4 Pkts] (vRtrIfV4uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailPkts indicates the number of IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>PolicyAccountInterfaceStats</p> <p>MIB entry name: vRtrPlcyAcctInterfaceStatsEntry</p> <p>Entry description: Each row entry in the vRtrPlcyAcctInterfaceStatsTable represents statistics related to the vRtrPlcyAcctSrcClassTable and vRtrPlcyAcctDestClassTable.</p> <p>Table description (for vRtrPlcyAcctInterfaceStatsTable): The vRtrPlcyAcctInterfaceStatsTable has stats for each source class and dest class associated with an interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • ies.IPsecInterface • ies.L3AccessInterface • rtr.NetworkInterface • vprn.GroupInterface • vprn.IPsecInterface • vprn.L3AccessInterface 		
forwardBytes [Forward Bytes] (vRtrPlcyAcctRxFwdBytes)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdBytes indicates the total number of bytes received for this vRtrPlcyAcctIndex associated with the interface.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardPackets [Forward Packets] (vRtrPlyAcctRxFwdPkts)	java. math. BigInteger	The value of the object vRtrPlyAcctRxFwdPkts indicates the total number of packets received for this vRtrPlyAcctIndex associated with the interface.
incompleteCount [Incomplete Count] (vRtrPlyAcctRxIncompleteCnt)	boolean	The value of the object vRtrPlyAcctRxIncompleteCnt indicates whether the count of vRtrPlyAcctRxFwdBytes and vRtrPlyAcctRxFwdPkts is incomplete or not. When the value of vRtrPlyAcctRxIncompleteCnt is 'true', both vRtrPlyAcctRxFwdBytes and vRtrPlyAcctRxFwdPkts will be incomplete.
<p>RouteStats MIB entry name: vRtrStatEntry Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'bgp'.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeMplsTpTunnels [Active Mpls Tp Tunnels] (vRtrStatActiveMplsTpTunnels)	long	vRtrStatActiveMplsTpTunnels indicates the current number of active MPLS-TP tunnels.
activeRsvpTunnels [Active Rsvp Tunnels] (vRtrStatActiveRsvpTunnels)	long	The value of vRtrStatActiveRsvpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'rsvp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAciveRoutes)	long	vRtrBGPAciveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
dynamicArpEntries [Dynamic Arp Entries] (vRtrStatDynamicARPEntries)	long	The value of vRtrStatDynamicARPEntries indicates the total number of active and inactive dynamic ARP entries for the specified virtual router in the system.
hostActiveRoutes [Host Active Routes] (vRtrHostActiveRoutes)	long	The value of vRtrHostActiveRoutes indicates the current number of active direct routes with prefix value 32 for this instance of the route table.
hostRoutes [Host Routes] (vRtrHostRoutes)	long	The value of vRtrHostRoutes indicates the current number of direct routes with prefix value 32 for this instance of the route table.
iPsecActiveRoutes [IPsec Active Routes] (vRtrIPsecActiveRoutes)	long	The value of the object vRtrIPsecActiveRoutes indicates the current number of active IPsec routes for this instance of the route table.
iPsecRoutes [IPsec Routes] (vRtrIPsecRoutes)	long	The value of the object vRtrIPsecRoutes indicates the current number of IPsec routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
internalArpEntries [Internal Arp Entries] (vRtrStatInternalARPEntries)	long	The value of vRtrStatInternalARPEntries indicates the total number of active and inactive internal ARP entries for the specified virtual router in the system.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveRoutes [Ldp Active Routes] (vRtrLDPActiveRoutes)	long	vRtrLDPActiveRoutes indicates the current number of active ldp routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.
ldpRoutes [Ldp Routes] (vRtrLDPRoutes)	long	vRtrLDPRoutes indicates the current number of ldp routes for this instance of the route table.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
localArpEntries [Local Arp Entries] (vRtrStatLocalARPEntries)	long	The value of vRtrStatLocalARPEntries indicates the total number of active and inactive local ARP entries for the specified virtual router in the system.
managedActiveRoutes [Managed Active Routes] (vRtrManagedActiveRoutes)	long	The value of vRtrManagedActiveRoutes indicates the total number of active managed routes for the specified virtual router in the system.
managedArpEntries [Managed Arp Entries] (vRtrStatManagedARPEntries)	long	The value of vRtrStatManagedARPEntries indicates the total number of active and inactive managed ARP entries for the specified virtual router in the system.
managedRoutes [Managed Routes] (vRtrManagedRoutes)	long	The value of vRtrManagedRoutes indicates the total number of active and inactive managed routes for the specified virtual router in the system.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcastIpv4StatBGPEvpnActvRts [Mcast Ipv 4 Stat BGPEvpn Actv Rts] (vRtrMcastIpv4StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv4StatBGPEvpnActvRts indicates the total number of active IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
mcastIpv4StatBGPEvpnRoutes [Mcast Ipv 4 Stat BGPEvpn Routes] (vRtrMcastIpv4StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv4StatBGPEvpnRoutes indicates the total number of IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
natActiveRoutes [Nat Active Routes] (vRtrNatActiveRoutes)	long	The value of vRtrNatActiveRoutes indicates the current number of IPv4 NAT routes for this instance of the route table.
natRoutes [Nat Routes] (vRtrNatRoutes)	long	The value of vRtrNatRoutes indicates the current number of IPv4 NAT (Network Address Translation) routes for this instance of the route table.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
perActiveRoutes [Per Active Routes] (vRtrPeriodicActiveRoutes)	long	The value of vRtrPeriodicActiveRoutes indicates the current number of active periodic routes for this instance of the route table.
perRoutes [Per Routes] (vRtrPeriodicRoutes)	long	The value of vRtrPeriodicRoutes indicates the current number of periodic routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
statBGPEVPNARPEntries [Stat BGPEVPNARPEntries] (vRtrStatBGPEVPNARPEntries)	long	The value of vRtrStatBGPEVPNARPEntries indicates the total number of BGP EVPN ARP entries for the specified virtual router in the system.
statBGPEvpnActiveRoutes [Stat BGPEvpn Active Routes] (vRtrStatBGPEvpnActiveRoutes)	long	The value of vRtrStatBGPEvpnActiveRoutes indicates the total number of active IPv4 BGP EVPN route entries for the specified virtual router in the system.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statBGPEvpnRoutes [Stat BGPEvpn Routes] (vRtrStatBGPEvpnRoutes)	long	The value of vRtrStatBGPEvpnRoutes indicates the total number of IPv4 BGP EVPN route entries for the specified virtual router in the system.
statBGPLabelV4ActiveRoutes [Stat BGPLabel V4 Active Routes] (vRtrStatBGPLabelV4ActiveRoutes)	long	The value of vRtrStatBGPLabelV4ActiveRoutes indicates the total number of active labeled IPv4 BGP route entries for the specified virtual router in the system.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticArpEntries [Static Arp Entries] (vRtrStatStaticARPEntries)	long	The value of vRtrStatStaticARPEntries indicates the total number of active and inactive static ARP entries for the specified virtual router in the system.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
subMgmtActiveRoutes [Sub Mgmt Active Routes] (vRtrSubMgmtActiveRoutes)	long	The value of vRtrSubMgmtActiveRoutes indicates the number of active subscriber management routes.
subMgmtRoutes [Sub Mgmt Routes] (vRtrSubMgmtRoutes)	long	The value of vRtrSubMgmtRoutes indicates the total number of subscriber management routes in the route Table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalMplsTpTunnels [Total Mpls Tp Tunnels] (vRtrStatTotalMplsTpTunnels)	long	vRtrStatTotalMplsTpTunnels indicates the current number of both active and inactive MPLS-TP tunnels.
totalRsvpTunnels [Total Rsvp Tunnels] (vRtrStatTotalRsvpTunnels)	long	The value of vRtrStatTotalRsvpTunnels indicates the current number of both active and inactive RSVP tunnels.
vpnLeakActiveRoutes [Vpn Leak Active Routes] (vRtrVPNLeakActiveRoutes)	long	vRtrVPNLeakActiveRoutes indicates the current number of active VPN Leak routes for this instance of the route table.
vpnLeakRoutes [Vpn Leak Routes] (vRtrVPNLeakRoutes)	long	vRtrVPNLeakRoutes indicates the current number of VPN Leak routes for this instance of the route table.
V6RouteStats MIB entry name: vRtrStatEntry Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
statBGPLabelV6ActiveRoutes [Stat BGPLabel V6 Active Routes] (vRtrStatBGPLabelV6ActiveRoutes)	long	The value of vRtrStatBGPLabelV6ActiveRoutes indicates the total number of active labeled IPv6 BGP route entries for the specified virtual router in the system.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ActiveNbrEntries [V6 Active Nbr Entries] (vRtrV6StatActiveNbrEntries)	long	vRtrV6StatActiveNbrEntries indicates the number of active V6 neighbor discovery entries for the specified virtual router in the system.
v6ActiveRsvpTunnels [V6 Active Rsvp Tunnels] (vRtrV6StatActiveRsvpTunnels)	long	The value of vRtrV6StatActiveRsvpTunnels indicates the current number of IPv6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'rsvp'.
v6AggregateActiveRoutes [V6 Aggregate Active Routes] (vRtrV6AggregateActiveRoutes)	long	vRtrV6AggregateActiveRoutes indicates the current number of active v6 aggregate routes for this instance of the route table.
v6AggregateRoutes [V6 Aggregate Routes] (vRtrV6AggregateRoutes)	long	vRtrV6AggregateRoutes indicates the current number of v6 aggregate routes for this instance of the route table.
v6BgpActiveRoutes [V6 Bgp Active Routes] (vRtrV6BGPAciveRoutes)	long	vRtrV6BGPAciveRoutes indicates the current number of v6 active bgp routes for this instance of the route table.
v6BgpRoutes [V6 Bgp Routes] (vRtrV6BGPRoutes)	long	vRtrV6BGPRoutes indicates the current number of v6 bgp routes for this instance of the route table.
v6BgpVpnActiveRoutes [V6 Bgp Vpn Active Routes] (vRtrV6StatBGPVpnActiveRoutes)	long	vRtrV6StatBGPVpnActiveRoutes indicates the current number of active VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6BgpVpnRoutes [V6 Bgp Vpn Routes] (vRtrV6StatBGPVpnRoutes)	long	vRtrV6StatBGPVpnRoutes indicates the current number of VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6Dhcpv6NaActiveRoutes [V6 Dhcpv 6 Na Active Routes] (vRtrV6Dhcpv6NaActiveRoutes)	long	The value of vRtrV6Dhcpv6NaActiveRoutes indicates the current number of active IPv6 DHCPv6 non-temporary address routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6Dhcpv6NaRoutes [V6 Dhcpv 6 Na Routes] (vRtrV6Dhcpv6NaRoutes)	long	The value of vRtrV6Dhcpv6NaRoutes indicates the current number of IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6PdActiveRoutes [V6 Dhcpv 6 Pd Active Routes] (vRtrV6Dhcpv6PdActiveRoutes)	long	The value of vRtrV6Dhcpv6PdActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6PdExclActiveRoutes [V6 Dhcpv 6 Pd Excl Active Routes] (vRtrV6Dhcpv6PdExclActiveRoutes)	long	The value of vRtrV6Dhcpv6PdExclActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdExclRoutes [V6 Dhcpv 6 Pd Excl Routes] (vRtrV6Dhcpv6PdExclRoutes)	long	The value of vRtrV6Dhcpv6PdExclRoutes indicates the current number of IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdRoutes [V6 Dhcpv 6 Pd Routes] (vRtrV6Dhcpv6PdRoutes)	long	The value of vRtrV6Dhcpv6PdRoutes indicates the current number of IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6TaActiveRoutes [V6 Dhcpv 6 Ta Active Routes] (vRtrV6Dhcpv6TaActiveRoutes)	long	The value of vRtrV6Dhcpv6TaActiveRoutes indicates the current number of active IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6Dhcpv6TaRoutes [V6 Dhcpv 6 Ta Routes] (vRtrV6Dhcpv6TaRoutes)	long	The value of vRtrV6Dhcpv6TaRoutes indicates the current number of IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6DirectActiveRoutes [V6 Direct Active Routes] (vRtrV6DirectActiveRoutes)	long	vRtrV6DirectActiveRoutes indicates the current number of v6 active direct routes for this instance of the route table.
v6DirectRoutes [V6 Direct Routes] (vRtrV6DirectRoutes)	long	vRtrV6DirectRoutes indicates the current number of v6 direct routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6HostActiveRoutes [V6 Host Active Routes] (vRtrV6HostActiveRoutes)	long	The value of vRtrV6HostActiveRoutes indicates the current number of v6 active direct routes with prefix value 128 for this instance of the route table.
v6HostRoutes [V6 Host Routes] (vRtrV6HostRoutes)	long	The value of vRtrV6HostRoutes indicates the current number of v6 direct routes with prefix value 128 for this instance of the route table.
v6IllegalLabelsReceived [V6 Illegal Labels Received] (vRtrV6StatIllegalLabels)	long	vRtrV6StatIllegalLabels indicates the number of illegally received v6 labels on this virtual router.
v6IsisActiveRoutes [V6 Isis Active Routes] (vRtrV6ISISActiveRoutes)	long	vRtrV6ISISActiveRoutes indicates the current number of v6 active isis routes for this instance of the route table.
v6IsisRoutes [V6 Isis Routes] (vRtrV6ISISRoutes)	long	vRtrV6ISISRoutes indicates the current number of v6 isis routes for this instance of the route table.
v6LdpActiveTunnels [V6 Ldp Active Tunnels] (vRtrV6StatActiveLdpTunnels)	long	vRtrV6StatActiveLdpTunnels indicates the current number of v6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.
v6LdpTunnels [V6 Ldp Tunnels] (vRtrV6StatTotalLdpTunnels)	long	vRtrV6StatTotalLdpTunnels indicates the current number of both active and inactive v6 LDP tunnels.
v6ManagedActiveRoutes [V6 Managed Active Routes] (vRtrV6ManagedActiveRoutes)	long	The value of vRtrV6ManagedActiveRoutes indicates the total number of active IPv6 managed routes for the specified virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrV6ManagedRoutes)	long	The value of vRtrV6ManagedRoutes indicates the total number of active and inactive IPv6 managed routes for the specified virtual router.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6MulticastRoutes [V6 Multicast Routes] (vRtrV6MulticastRoutes)	long	vRtrV6MulticastRoutes indicates the current number of v6 rows in the vRtrPimNgGrpSrcTable.
v6MulticastStatBGPEvpnActiveRoutes [V6 Multicast Stat BGPEvpn Active Routes] (vRtrMcastIpv6StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv6StatBGPEvpnActvRts indicates the total number of active IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6MulticastStatBGPEvpnRoutes [V6 Multicast Stat BGPEvpn Routes] (vRtrMcastIpv6StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv6StatBGPEvpnRoutes indicates the total number of IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6NatActiveRoutes [V6 Nat Active Routes] (vRtrV6NatActiveRoutes)	long	The value of vRtrV6NatActiveRoutes indicates the current number of IPv6 active NAT routes for this instance of the route table.
v6NatRoutes [V6 Nat Routes] (vRtrV6NatRoutes)	long	The value of vRtrV6NatRoutes indicates the current number of IPv6 NAT routes for this instance of the route table.
v6OspfActiveRoutes [V6 Ospf Active Routes] (vRtrV6OSPFActiveRoutes)	long	vRtrV6OSPFActiveRoutes indicates the current number of v6 active ospf routes for this instance of the route table.
v6OspfRoutes [V6 Ospf Routes] (vRtrV6OSPFRoutes)	long	vRtrV6OSPFRoutes indicates the current number of v6 ospf routes for this instance of the route table.
v6PerActiveRoutes [V6 Per Active Routes] (vRtrV6PeriodicActiveRoutes)	long	The value of vRtrV6PeriodicActiveRoutes indicates the current number of active IPv6 periodic routes for this instance of the route table.
v6PerRoutes [V6 Per Routes] (vRtrV6PeriodicRoutes)	long	The value of vRtrV6PeriodicRoutes indicates the current number of IPv6 periodic routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RipActiveRoutes [V6 Rip Active Routes] (vRtrV6RIPActiveRoutes)	long	vRtrV6RIPActiveRoutes indicates the current number of active v6 rip routes for this instance of the route table.
v6RipRoutes [V6 Rip Routes] (vRtrV6RIPRoutes)	long	vRtrV6RIPRoutes indicates the current number of v6 rip routes for this instance of the route table.
v6RouterInterfacesActive [V6 Router Interfaces Active] (vRtrV6StatActiveIifs)	long	vRtrV6StatActiveIifs indicates the current number of v6 router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
v6RouterInterfacesConfigured [V6 Router Interfaces Configured] (vRtrV6StatConfiguredIifs)	long	vRtrV6StatConfiguredIifs indicates the current number of v6 router interfaces configured on this virtual router.
v6RoutesInVrf [V6 Routes In Vrf] (vRtrV6StatCurrNumRoutes)	long	vRtrV6StatCurrNumRoutes indicates the current number of v6 routes in the VRF for this virtual router.
v6SdpActiveTunnels [V6 Sdp Active Tunnels] (vRtrV6StatActiveSdpTunnels)	long	vRtrV6StatActiveSdpTunnels indicates the current number of v6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
v6SdpTunnels [V6 Sdp Tunnels] (vRtrV6StatTotalSdpTunnels)	long	vRtrV6StatTotalSdpTunnels indicates the current number of both active and inactive v6 SDP tunnels.
v6StatBGPEvpnActiveRoutes [V6 Stat BGPEvpn Active Routes] (vRtrV6StatBGPEvpnActiveRoutes)	long	The value of vRtrV6StatBGPEvpnActiveRoutes indicates the total number of active IPv6 BGP EVPN route entries for the specified virtual router in the system.
v6StatBGPEvpnRoutes [V6 Stat BGPEvpn Routes] (vRtrV6StatBGPEvpnRoutes)	long	The value of vRtrV6StatBGPEvpnRoutes indicates the total number of IPv6 BGP EVPN route entries for the specified virtual router in the system.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6StaticActiveRoutes [V6 Static Active Routes] (vRtrV6StaticActiveRoutes)	long	vRtrV6StaticActiveRoutes indicates the current number of v6 active static routes for this instance of the route table.
v6StaticRoutes [V6 Static Routes] (vRtrV6StaticRoutes)	long	vRtrV6StaticRoutes indicates the current number of v6 static routes for this instance of the route table.
v6SubMgmtActiveRoutes [V6 Sub Mgmt Active Routes] (vRtrV6SubMgmtActiveRoutes)	long	vRtrV6SubMgmtActiveRoutes indicates the current number of v6 active subscriber management routes for this instance of the route table.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrV6SubMgmtRoutes)	long	vRtrV6SubMgmtRoutes indicates the current number of v6 subscriber management routes for this instance of the route table.
v6TotalNbrEntries [V6 Total Nbr Entries] (vRtrV6StatTotalNbrEntries)	long	vRtrV6StatTotalNbrEntries indicates the total number of active and inactive v6 neighbor discovery entries for the specified virtual router in the system.
v6TotalRsvpTunnels [V6 Total Rsvp Tunnels] (vRtrV6StatTotalRsvpTunnels)	long	The value of vRtrV6StatTotalRsvpTunnels indicates the current number of both active and inactive IPv6 RSVP tunnels.
v6VpnLeakActiveRoutes [V6 Vpn Leak Active Routes] (vRtrV6VPNLeakActiveRoutes)	long	vRtrV6VPNLeakActiveRoutes indicates the current number of v6 active VPN Leak routes for this instance of the route table.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrV6VPNLeakRoutes)	long	vRtrV6VPNLeakRoutes indicates the current number of v6 VPN Leak routes for this instance of the route table.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpDynDetectionTime)	long	The value of vRtrIfDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for given protocol.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpDynHoldDown)	int	The value of vRtrIfDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for given protocol.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpDynAllocated)	boolean	The value of vRtrIfDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (vRtrIfDcpFpDynExcdCount)	java.math.BigInteger	The value of vRtrIfDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for a given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (vRtrIfDcpFpDynState)	int	The value of vRtrIfDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (vRtrIfDcpFpProtocol)	int	The value of vRtrIfDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
<p>VRtrIfDcpFpLocMonP1crStats MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpLocMonAllDynAlloc)	boolean	The value of vRtrIfDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (vRtrIfDcpFpLocMonExcdCount)	java.math. BigInteger	The value of vRtrIfDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpLocMonPlcrName)	String	The value of vRtrIfDcpFpLocMonPlcrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpLocMonState)	int	The value of vRtrIfDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpStaticDetectionTime)	long	The value of vRtrIfDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpStaticHoldDown)	int	The value of vRtrIfDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pktsExcd [Pkts Excd] (vRtrIfDcpFpStaticExcdCount)	java. math. BigInteger	The value of vRtrIfDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpStaticPlcrName)	String	The value of vRtrIfDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpStaticState)	int	The value of vRtrIfDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6InStats</p> <p>MIB entry name: vRtrIfIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIfIcmp6InNbrAdvertisements)	long	The value of vRtrIfIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIfIcmp6InNbrSolicits)	long	The value of vRtrIfIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIfIcmp6OutPktTooBigs)	long	The value of vRtrIfIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIfIcmp6OutRedirects)	long	The value of vRtrIfIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIfIcmp6OutRtrAdvertisements)	long	The value of vRtrIfIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIfIcmp6OutRtrSolicits)	long	The value of vRtrIfIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIfIcmp6OutTimeExcds)	long	The value of vRtrIfIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.

Table 287 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 288 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)'}). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'InProgress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime indicates the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: settingUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>TwampSrvSessionStats</p> <p>MIB entry name: tmnxTwampSrvSessStatsEntry</p> <p>Entry description: tmnxTwampSrvSessStatsEntry contains read-only information about a TWAMP test session known to the TWAMP server. A row is created when the TWAMP server accepts a session request. A row is destroyed when the session is fully torn down.</p> <p>Table description (for tmnxTwampSrvSessStatsTable): tmnxTwampSrvSessStatsTable contains read-only information about the TWAMP test sessions known to the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwampSrvSession</p>		
operStat [Oper Stat] (tmnxTwampSrvSessOperState)	int	The value of tmnxTwampSrvSessOperState indicates the operational state of the specified session. Code points: create (1) - the session has been created, but it has not yet been started active (2) - the session is active (e.g. the Session-Sender is sending TWAMP-Test PDUs) stop (3) - the session is waiting to terminate (i.e. the Session-Reflector has received a TWAMP Stop-Sessions PDU, and is waiting for a timer expiry)
reflectorAddrType [Reflector Addr Type] (tmnxTwampSrvSessReflectorAddrTyp)	int	The value of tmnxTwampSrvSessReflectorAddrTyp indicates the address type of tmnxTwampSrvSessReflectorAddress.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reflectorAddress [Reflector Address] (tmnxTwampSrvSessReflectorAddress)	String	The value of tmnxTwampSrvSessReflectorAddress indicates the address of the specified session's TWAMP Session-Reflector.
reflectorUDPPort [Reflector UDPPort] (tmnxTwampSrvSessReflectorUdpPort)	int	The value of tmnxTwampSrvSessReflectorUdpPort indicates the UDP listen port of the specified session's TWAMP Session-Reflector.
senderAddrType [Sender Addr Type] (tmnxTwampSrvSessSenderAddrType)	int	The value of tmnxTwampSrvSessSenderAddrType indicates the address type of tmnxTwampSrvSessSenderAddress.
senderAddress [Sender Address] (tmnxTwampSrvSessSenderAddress)	String	The value of tmnxTwampSrvSessSenderAddress indicates the address of the specified session's TWAMP Session-Sender.
senderUDPPort [Sender UDPPort] (tmnxTwampSrvSessSenderUdpPort)	int	The value of tmnxTwampSrvSessSenderUdpPort indicates the value present in the Source UDP port field of test packets sent by the specified session's TWAMP Session-Sender.
sessionId [Session Id] (tmnxTwampSrvSessID)	String	The value of tmnxTwampSrvSessID indicates the session identifier (SID) for the specified session.
sessionSequenceNumber [Session Sequence Number] (tmnxTwampSrvSessSeqNum)	long	The value of tmnxTwampSrvSessSeqNum specifies this TWAMP test session's sequence number. A client address, a connection sequence number, and a session sequence number identify a session. When the TWAMP server accepts the first session request from a particular client and connection, sequence number 1 is assigned to the session. The second session request accepted from the same client and connection is assigned sequence number 2, etc. The sequence number assigned after 4294967295 is 1.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.
<p>TwlLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwlEntry</p> <p>Entry description: tmnxOamPmStsLossTwlEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmStsBaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwlTable): tmnxOamPmStsLossTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiAvailIndBwd [Pm Twi Avail Ind Bwd] (tmnxOamPmStsLossTwiAvailIndBwd)	long	The value of tmnxOamPmStsLossTwiAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwiAvailIndFwd [Pm Twi Avail Ind Fwd] (tmnxOamPmStsLossTwiAvailIndFwd)	long	The value of tmnxOamPmStsLossTwiAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwiAvgFlrBwd [Pm Twi Avg Flr Bwd] (tmnxOamPmStsLossTwiAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwiAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiAvgFlrFwd [Pm Twi Avg Flr Fwd] (tmnxOamPmStsLossTwiAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwiAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwiChliBwd [Pm Twi Chli Bwd] (tmnxOamPmStsLossTwiChliBwd)	long	The value of tmnxOamPmStsLossTwiChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwiChliFwd [Pm Twi Chli Fwd] (tmnxOamPmStsLossTwiChliFwd)	long	The value of tmnxOamPmStsLossTwiChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwiHliBwd [Pm Twi Hli Bwd] (tmnxOamPmStsLossTwiHliBwd)	long	The value of tmnxOamPmStsLossTwiHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwiHliFwd [Pm Twi Hli Fwd] (tmnxOamPmStsLossTwiHliFwd)	long	The value of tmnxOamPmStsLossTwiHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwlRxBwd)	long	The value of tmnxOamPmStsLossTwlRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwlRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwlRxFwd)	long	The value of tmnxOamPmStsLossTwlRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwtxBwd [Pm Twt Tx Bwd] (tmnxOamPmStsLossTwtxBwd)	long	The value of tmnxOamPmStsLossTwtxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwtxFwd [Pm Twt Tx Fwd] (tmnxOamPmStsLossTwtxFwd)	long	The value of tmnxOamPmStsLossTwtxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwtUnavailIndBwd [Pm Twt Unavail Ind Bwd] (tmnxOamPmStsLossTwtUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwtUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmTwtUnavailIndFwd [Pm Twt Unavail Ind Fwd] (tmnxOamPmStsLossTwtUnavailIndFwd)	long	The value of tmnxOamPmStsLossTwtUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwtUndtAvlBwd [Pm Twt Undt Avl Bwd] (tmnxOamPmStsLossTwtUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwtUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 288 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwlRflFramesRx)	long	The value of tmnxOamPmStsTwlRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwlRflFramesTx)	long	The value of tmnxOamPmStsTwlRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwlRflUpTime)	long	The value of tmnxOamPmStsTwlRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 289 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>EgressAccessQDepthInfo</p> <p>MIB entry name: sapEgrQosQueueDepthInfoEntry</p> <p>Entry description: The value of sapEgrQosQueueDepthInfoEntry represents queue-depth monitoring information for SAP egress override queue for which the value of sapEgrQosQMonitorDepth is set to 'true (1)'.</p> <p>Table description (for sapEgrQosQueueDepthInfoTable): The value of sapEgrQosQueueDepthInfoTable has an entry for each SAP egress override queue for which the value of sapEgrQosQMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.EgressAccessPolicyQueueOverride</p>		
depthAvgElpsdTme [Depth Avg Elpsd Time] (sapEgrQosQueueDepthAvgElpsdTme)	String	The value of sapEgrQosQueueDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (sapEgrQosQueueDepthAvgPollInt)	long	The value of sapEgrQosQueueDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (sapEgrQosQueueDepthPollPrct1)	double	The value of sapEgrQosQueueDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (sapEgrQosQueueDepthPollPrct10)	double	The value of sapEgrQosQueueDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (sapEgrQosQueueDepthPollPrct2)	double	The value of sapEgrQosQueueDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (sapEgrQosQueueDepthPollPrct3)	double	The value of sapEgrQosQueueDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (sapEgrQosQueueDepthPollPrct4)	double	The value of sapEgrQosQueueDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (sapEgrQosQueueDepthPollPrct5)	double	The value of sapEgrQosQueueDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (sapEgrQosQueueDepthPollPrct6)	double	The value of sapEgrQosQueueDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrnt7 [Depth Poll Prcnt 7] (sapEgrQosQueueDepthPollPrnt7)	double	The value of sapEgrQosQueueDepthPollPrnt7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt8 [Depth Poll Prcnt 8] (sapEgrQosQueueDepthPollPrnt8)	double	The value of sapEgrQosQueueDepthPollPrnt8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt9 [Depth Poll Prcnt 9] (sapEgrQosQueueDepthPollPrnt9)	double	The value of sapEgrQosQueueDepthPollPrnt9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.
<p>GroupInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • vprn.GroupInterface 		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>IngressAccessQDepthInfo MIB entry name: sapIngQosQueueDepthInfoEntry Entry description: The value of sapIngQosQueueDepthInfoEntry represents queue-depth monitoring information for SAP ingress override queue for which the value of sapIngQosQMonitorDepth is set to 'true (1)'. Table description (for sapIngQosQueueDepthInfoTable): The value of sapIngQosQueueDepthInfoTable has an entry for each SAP ingress override queue for which the value of sapIngQosQMonitorDepth is set to 'true (1)'. Supports realtime plotting Supports scheduled collection Monitored class: service.IngressAccessPolicyQueueOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (sapIngQosQueueDepthAvgElpsdTme)	String	The value of sapIngQosQueueDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (sapIngQosQueueDepthAvgPollInt)	long	The value of sapIngQosQueueDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (sapIngQosQueueDepthPollPrct1)	double	The value of sapIngQosQueueDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (sapIngQosQueueDepthPollPrct10)	double	The value of sapIngQosQueueDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct2 [Depth Poll Prct 2] (sapIngQosQueueDepthPollPrct2)	double	The value of sapIngQosQueueDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (sapIngQosQueueDepthPollPrct3)	double	The value of sapIngQosQueueDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (sapIngQosQueueDepthPollPrct4)	double	The value of sapIngQosQueueDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (sapIngQosQueueDepthPollPrct5)	double	The value of sapIngQosQueueDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (sapIngQosQueueDepthPollPrct6)	double	The value of sapIngQosQueueDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (sapIngQosQueueDepthPollPrct7)	double	The value of sapIngQosQueueDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (sapIngQosQueueDepthPollPrct8)	double	The value of sapIngQosQueueDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (sapIngQosQueueDepthPollPrct9)	double	The value of sapIngQosQueueDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L3AccessInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.L3AccessInterface</p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppoeSapStats MIB entry name: tmnxPppoeSapStatsEntry Entry description: PPPoE statistics about a SAP. Table description (for tmnxPppoeSapStatsTable): A table that contains statistics on PPPoE per SAP. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.L2AccessInterface • vprn.ServiceAccessPoint 		
pppoeSapReceivedDropped [Pppoe Sap Received Dropped] (tmnxPppoeSapRxDropped)	long	The value of tmnxPppoeSapRxDropped indicates the number of dropped PPPoE packets.
pppoeSapReceivedInvalidAcCookie [Pppoe Sap Received Invalid Ac Cookie] (tmnxPppoeSapRxInvalidAcCookie)	long	The value of tmnxPppoeSapRxInvalidAcCookie indicates the number of PPPoE Active Discovery packets received with an invalid AC-Cookie tag.
pppoeSapReceivedInvalidCode [Pppoe Sap Received Invalid Code] (tmnxPppoeSapRxInvalidCode)	long	The value of tmnxPppoeSapRxInvalidCode indicates the number of PPPoE packets received with an invalid code field.
pppoeSapReceivedInvalidLen [Pppoe Sap Received Invalid Len] (tmnxPppoeSapRxInvalidLen)	long	The value of tmnxPppoeSapRxInvalidLen indicates the number of PPPoE packets received with an invalid length field.
pppoeSapReceivedInvalidMac [Pppoe Sap Received Invalid Mac] (tmnxPppoeSapRxInvalidMac)	long	The value of tmnxPppoeSapRxInvalidMac indicates the number of PPPoE packets received with an invalid MAC address.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapReceivedInvalidSession [Pppoe Sap Received Invalid Session] (tmnxPppoeSapRxInvalidSession)	long	The value of tmnxPppoeSapRxInvalidSession indicates the number of PPPoE packets received with an invalid session-id field.
pppoeSapReceivedInvalidTags [Pppoe Sap Received Invalid Tags] (tmnxPppoeSapRxInvalidTags)	long	The value of tmnxPppoeSapRxInvalidTags indicates the number of PPPoE Active Discovery packets received with invalid tags.
pppoeSapReceivedInvalidType [Pppoe Sap Received Invalid Type] (tmnxPppoeSapRxInvalidType)	long	The value of tmnxPppoeSapRxInvalidType indicates the number of PPPoE packets received with an invalid type field.
pppoeSapReceivedInvalidVersion [Pppoe Sap Received Invalid Version] (tmnxPppoeSapRxInvalidVersion)	long	The value of tmnxPppoeSapRxInvalidVersion indicates the number of PPPoE packets received with an invalid version field.
pppoeSapReceivedPADI [Pppoe Sap Received PADI] (tmnxPppoeSapRxPadi)	long	The value of tmnxPppoeSapRxPadi indicates the number of PADI (PPPoE Active Discovery Initiation) packets received on this SAP.
pppoeSapReceivedPADR [Pppoe Sap Received PADR] (tmnxPppoeSapRxPadr)	long	The value of tmnxPppoeSapRxPadr indicates the number of PADR (PPPoE Active Discovery Request) packets received on this SAP.
pppoeSapReceivedPADT [Pppoe Sap Received PADT] (tmnxPppoeSapRxPadt)	long	The value of tmnxPppoeSapRxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets received on this SAP.
pppoeSapReceivedSession [Pppoe Sap Received Session] (tmnxPppoeSapRxSession)	long	The value of tmnxPppoeSapRxSession indicates the number packets received during the PPP session stage on this SAP.
pppoeSapTransmittedPADO [Pppoe Sap Transmitted PADO] (tmnxPppoeSapTxPado)	long	The value of tmnxPppoeSapTxPado indicates the number of PADO (PPPoE Active Discovery Offer) packets transmitted on this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapTransmittedPADS [Pppoe Sap Transmitted PADS] (tmnxPppoeSapTxPads)	long	The value of tmnxPppoeSapTxPads indicates the number of PADS (PPPoE Active Discovery Session) packets transmitted on this SAP.
pppoeSapTransmittedPADT [Pppoe Sap Transmitted PADT] (tmnxPppoeSapTxPadt)	long	The value of tmnxPppoeSapTxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets transmitted on this SAP.
pppoeSapTransmittedSession [Pppoe Sap Transmitted Session] (tmnxPppoeSapTxSession)	long	The value of tmnxPppoeSapTxSession indicates the number packets transmitted during the PPP session stage on this SAP.
SapAtmPppStats MIB entry name: sapAtmPppStatsEntry Entry description: PPP statistics about a specific ATM SAP. Table description (for sapAtmPppStatsTable): A table that contains ATM SAP PPP statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 		
rxDropped [Rx Dropped] (sapAtmPppStatsRxDropped)	long	The value of sapAtmPppStatsRxDropped indicates the number of PPP packets dropped on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.
rxPackets [Rx Packets] (sapAtmPppStatsRxPackets)	long	The value of sapAtmPppStatsRxPackets indicates the number of PPP packets received on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPackets [Tx Packets] (sapAtmPppStatsTxPackets)	long	The value of sapAtmPppStatsTxPackets indicates the number of PPP packets transmitted on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.
<p>SapBaseStats MIB entry name: sapBaseStatsEntry Entry description: Basic statistics about a specific SAP. Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInte- ger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchip- DroppedPackets)	java. math. BigInte- ger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOf- feredHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOf- feredHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOf- feredLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOf- feredLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOf- feredUncoloredOctets)	java. math. BigInte- ger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingressRcvdValidOcts [Ingress Rcvd Valid Octs] (sapBaseStatsIngPchipRcvdValidOct)	java. math. BigInte- ger	The value of sapBaseStatsIngPchipRcvdValidOct indicates number of received valid octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressRcvdValidPkts [Ingress Rcvd Valid Pkts] (sapBaseStatsIngPchipRcvdValidPkt)	java. math. BigInte- ger	The value of sapBaseStatsIngPchipRcvdValidPkt indicates number of received valid packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectionTime [Detection Time] (sapDcpFpDynDetectionTime)	long	The value of sapDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for a given protocol.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpDynHoldDown)	int	The value of sapDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for a given protocol.
isAllocated [Is Allocated] (sapDcpFpDynAllocated)	boolean	The value of sapDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (sapDcpFpDynExcdCount)	java.math. BigInteger	The value of sapDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for the given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (sapDcpFpDynState)	int	The value of sapDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (sapDcpFpProtocol)	int	The value of sapDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpLocMonPlcrStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
isAllocated [Is Allocated] (sapDcpFpLocMonAllDynAlloc)	boolean	The value of sapDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (sapDcpFpLocMonExcdCount)	java.math.BigInteger	The value of sapDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpLocMonPlicrName)	String	The value of sapDcpFpLocMonPlicrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (sapDcpFpLocMonState)	int	The value of sapDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (sapDcpFpStaticDetectionTime)	long	The value of sapDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpStaticHoldDown)	int	The value of sapDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
pktsExcd [Pkts Excd] (sapDcpFpStaticExcdCount)	java. math. BigInte- ger	The value of sapDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpStaticPlcrName)	String	The value of sapDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>policerState [Policer State] (sapDcpFpStaticState)</p>	int	The value of sapDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.
<p>portId [Port Id] (sapPortId)</p>	long	The ID of the access port where this SAP is defined.
<p>serviceId [Service Id] (svclId)</p>	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
<p>custId [Cust Id] (sapEgrEGBaseStCustId)</p>	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
<p>dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)</p>	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats MIB entry name: sapEgrEGMbrQueueStEntry Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP. Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats MIB entry name: sapEgrEGMbrSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP. Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats</p> <p>MIB entry name: sapEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP.</p> <p>Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octets] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosArbiterStats</p> <p>MIB entry name: sapEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapEgrQosArbitStatsTable): The sapEgrQosArbitStatsTable contains egress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (sapEgrQosArbitStatsName)	String	The value of sapEgrQosArbitStatsName specifies the egress QoS arbiter of this SAP.
sapEgrQosArbitStatsFwdOcts [Sap Egr Qos Arbit Stats Fwd Octs] (sapEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
sapEgrQosArbitStatsFwdPkts [Sap Egr Qos Arbit Stats Fwd Pkts] (sapEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
<p>SapEgrQosHsmdaCntrStats</p> <p>MIB entry name: sapEgrQosHsmdaCntrStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS HSMDA counter.</p> <p>Table description (for sapEgrQosHsmdaCntrStatsTable): A table that contains egress QoS HSMDA counter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
sapEgrHsmdaCntrStCounterId [Sap Egr Hsmda Cntr St Counter Id] (sapEgrHsmdaCntrStCntrId)	long	The value of sapEgrHsmdaCntrStCntrId indicates the counter ID for the statistics.
sapEgrHsmdaCntrStCustomerId [Sap Egr Hsmda Cntr St Customer Id] (sapEgrHsmdaCntrStCustId)	long	The value of sapEgrHsmdaCntrStCustId indicates the customer ID for the statistics.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaCntrStInProfOctetsDropped [Sap Egr Hsmda Cntr St In Prof Octets Dropped] (sapEgrHsmdaCntrStInProfOctDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfOctDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfileOctetsFwd [Sap Egr Hsmda Cntr St In Profile Octets Fwd] (sapEgrHsmdaCntrStInProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfOctFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfilePacketsDropped [Sap Egr Hsmda Cntr St In Profile Packets Dropped] (sapEgrHsmdaCntrStInProfPktDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfPktDrop indicates the number of in-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfilePacketsFwd [Sap Egr Hsmda Cntr St In Profile Packets Fwd] (sapEgrHsmdaCntrStInProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfPktFwd indicates the number of in-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfileOctetsDropped [Sap Egr Hsmda Cntr St Out Profile Octets Dropped] (sapEgrHsmdaCntrStOutProfOctDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfOctDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfileOctetsFwd [Sap Egr Hsmda Cntr St Out Profile Octets Fwd] (sapEgrHsmdaCntrStOutProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfOctFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaCntrStOutProfilePacketsDropped [Sap Egr Hsmda Cntr St Out Profile Packets Dropped] (sapEgrHsmdaCntrStOutProfPktDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfPktDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapInHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfilePacketsFwd [Sap Egr Hsmda Cntr St Out Profile Packets Fwd] (sapEgrHsmdaCntrStOutProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfPktFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapInHsmdaCntrStCntrlId, on this SAP.
<p>SapEgrQosHsmdaQueueStats</p> <p>MIB entry name: sapEgrQosHsmdaQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS HSMDA queue.</p> <p>Table description (for sapEgrQosHsmdaQueueStatsTable): A table that contains egress QoS HSMDA queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
sapEgrHsmdaQStatCustomerId [Sap Egr Hsmda QStat Customer Id] (sapEgrHsmdaQStatCustId)	long	The value of sapEgrHsmdaQStatCustId indicates the customer ID for the statistics.
sapEgrHsmdaQStatInProfileOctetsDropped [Sap Egr Hsmda QStat In Profile Octets Dropped] (sapEgrHsmdaQStatInProfOctDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfOctDropd indicates the number of out-of-profile packets dropped on egress on this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaQStatInProfileOctetsFwd [Sap Egr Hsmda QStat In Profile Octets Fwd] (sapEgrHsmdaQStatInProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfOctFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatInProfilePacketsDropped [Sap Egr Hsmda QStat In Profile Packets Dropped] (sapEgrHsmdaQStatInProfPktDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfPktDropd indicates the number of in-profile packets dropped on egress on this SAP.
sapEgrHsmdaQStatInProfilePacketsFwd [Sap Egr Hsmda QStat In Profile Packets Fwd] (sapEgrHsmdaQStatInProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfPktFwd indicates the number of in-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatOutProfileOctetsDropped [Sap Egr Hsmda QStat Out Profile Octets Dropped] (sapEgrHsmdaQStatOutProfOctDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfOctDropd indicates the number of out-of-profile packets dropped on egress on this SAP.
sapEgrHsmdaQStatOutProfileOctetsFwd [Sap Egr Hsmda QStat Out Profile Octets Fwd] (sapEgrHsmdaQStatOutProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfOctFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatOutProfilePacketsDropped [Sap Egr Hsmda QStat Out Profile Packets Dropped] (sapEgrHsmdaQStatOutProfPktDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfPktDropd indicates the number of out-of-profile packets dropped on egress on this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaQStatOutProfilePacketsFwd [Sap Egr Hsmda QStat Out Profile Packets Fwd] (sapEgrHsmdaQStatOutProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfPktFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
<p>SapEgrQosPolicerStats</p> <p>MIB entry name: sapEgrQosPolicerStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS policer.</p> <p>Table description (for sapEgrQosPolicerStatsTable): A table that contains egress QoS policer SAP statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
sapEgrQosPStatsCustId [Sap Egr Qos PStats Cust Id] (sapEgrQosPStatsCustId)	long	The Customer ID for the associated service.
sapEgrQosPStatsDrpInPlusProfOcts [Sap Egr Qos PStats Drp In Plus Prof Octs] (sapEgrQosPStatsDrpInPlusProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsDrpInPlusProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
sapEgrQosPStatsDrpInPlusProfPkts [Sap Egr Qos PStats Drp In Plus Prof Pkts] (sapEgrQosPStatsDrpInPlusProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsDrpInPlusProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.
sapEgrQosPStatsFwdInPlusProfOcts [Sap Egr Qos PStats Fwd In Plus Prof Octs] (sapEgrQosPStatsFwdInPlusProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsFwdInPlusProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrQosPStatsFwdInPlusProfPkts [Sap Egr Qos PStats Fwd In Plus Prof Pkts] (sapEgrQosPStatsFwdInPlusProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsFwdInPlusProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.
sapEgrQosPStatsMode [Sap Egr Qos PStats Mode] (sapEgrQosPStatsMode)	int	The value of sapEgrQosPStatsMode indicates the stat mode used by the policer.
sapEgrQosPStatsOffExdProfOcts [Sap Egr Qos PStats Off Exd Prof Octs] (sapEgrQosPStatsOffExdProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.
sapEgrQosPStatsOffExdProfPkts [Sap Egr Qos PStats Off Exd Prof Pkts] (sapEgrQosPStatsOffExdProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.
sapEgrQosPStatsOffInPlusProfOcts [Sap Egr Qos PStats Off In Plus Prof Octs] (sapEgrQosPStatsOffInPlusProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsOffInPlusProfOcts indicates the number of inplus-profile octets offered by the egress Pchip.
sapEgrQosPStatsOffInPlusProfPkts [Sap Egr Qos PStats Off In Plus Prof Pkts] (sapEgrQosPStatsOffInPlusProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsOffInPlusProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
sapEgrQosPStatsPolld [Sap Egr Qos PStats Pol Id] (sapEgrQosPStatsPolld)	long	The index of the egress QoS queue of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdEgrQosArbitStatsTable): The sapPortIdEgrQosArbitStatsTable contains egress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdEgrQosArbitName)	String	The value of sapPortIdEgrQosArbitName is used as an index of the egress QoS arbiter of this SAP.
sapEgrQosAssignmentPortId [Sap Egr Qos Assignment Port Id] (sapPortIdEgrPortId)	String	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
sapEgrQosPortIdArbitFwdOcts [Sap Egr Qos Port Id Arbit Fwd Octs] (sapPortIdEgrQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.
sapEgrQosPortIdArbitFwdPkts [Sap Egr Qos Port Id Arbit Fwd Pkts] (sapPortIdEgrQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats</p> <p>MIB entry name: sapEgrQosSchedStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosArbiterStats</p> <p>MIB entry name: sapIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapIngQosArbitStatsTable): The sapIngQosArbitStatsTable contains ingress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapIngQosArbitStatsName)	String	The value of sapIngQosArbitStatsName specifies the ingress QoS arbiter of this SAP.
sapIngQosArbitStatsFwdOcts [Sap Ing Qos Arbit Stats Fwd Octs] (sapIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.
sapIngQosArbitStatsFwdPkts [Sap Ing Qos Arbit Stats Fwd Pkts] (sapIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdIngQosArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdIngQosArbitStatsTable): The sapPortIdIngQosArbitStatsTable contains ingress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdIngQosArbitName)	String	The value of sapPortIdIngQosArbitName is used as an index of the ingress QoS arbiter of this SAP.
sapIngQosPortIdArbitFwdOcts [Sap Ing Qos Port Id Arbit Fwd Octs] (sapPortIdIngQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.
sapIngQosPortIdArbitFwdPkts [Sap Ing Qos Port Id Arbit Fwd Pkts] (sapPortIdIngQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosQueueStats MIB entry name: sapIngQosQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosSchedStats</p> <p>MIB entry name: sapIngQosSchedStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
qoSchedName [QoS Sched Name] (sapIngQosSchedName)	String	The index of the ingress QoS scheduler of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
SapPortIdEgrEGSchedStats MIB entry name: sapPortIdEgrEGSchedStEntry Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group. Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup		

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.
SapV6HostStats MIB entry name: sapIpv6HostInfoEntry Entry description: IPv6 specific information for a routed CO subscriber SAP. Table description (for sapIpv6HostInfoTable): sapIpv6HostInfoTable contains IPv6 information related to a routed CO subscriber SAP. This table complements sapBaseInfoTable, and contains an entry for each routed CO subscriber SAP. Rows in this table are created and deleted automatically by the system. Supports realtime plotting Supports scheduled collection Monitored class: service.ServiceAccessPoint		
ipoeDhcp6Hosts [Ipoe Dhcp 6 Hosts] (sapIpv6HostInfoIpoeDhcp6Hosts)	int	The value of the object sapIpv6HostInfoIpoeDhcp6Hosts indicates the number of IPoE DHCPv6 hosts for this SAP.
ipoeSLAACHosts [Ipoe SLAACHosts] (sapIpv6HostInfoIpoeSLAACHosts)	int	The value of the object sapIpv6HostInfoIpoeSLAACHosts indicates the number of IPoE SLAAC hosts for this SAP.
pppDhcp6Hosts [Ppp Dhcp 6 Hosts] (sapIpv6HostInfoPppDhcp6Hosts)	int	The value of the object sapIpv6HostInfoPppDhcp6Hosts indicates the number of PPP DHCPv6 hosts for this SAP.
pppSLAACHosts [Ppp SLAACHosts] (sapIpv6HostInfoPppSLAACHosts)	int	The value of the object sapIpv6HostInfoPppSLAACHosts indicates the number of PPP SLAAC hosts for this SAP.
staticHostsUp [Static Hosts Up] (sapIpv6HostInfoStaticHostsUp)	int	The value of the object sapIpv6HostInfoStaticHostsUp indicates the number of IPv6 static IPoE hosts for this SAP where the value of sapStatHost6AdminStatus is equal to 'up'.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VdoGrpSrcAdiStats</p> <p>MIB entry name: tmnxVdoSGAdiStatEntry</p> <p>Entry description: An entry in the tmnxVdoSGAdiStatTable. Each entry represents a Ad Insert (ADI) server for the corresponding multicast group.</p> <p>Table description (for tmnxVdoSGAdiStatTable): The tmnxVdoSGAdiStatTable has an entry for each Ad Insert (ADI) server on the channel. This table contains ad server information and statistics.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.ZoneAdiChl</p>		
vdoSGAdiAbortReq [Vdo SGAdi Abort Req] (tmnxVdoSGAdiAbortReq)	long	The value of tmnxVdoSGAdiAbortReq indicates the total number of abort requests received from the Ad Insert (ADI) server.
vdoSGAdiAliveReq [Vdo SGAdi Alive Req] (tmnxVdoSGAdiAliveReq)	long	The value of tmnxVdoSGAdiAliveReq indicates the total number of alive messages received from the Ad Insert (ADI) server.
vdoSGAdiCueReq [Vdo SGAdi Cue Req] (tmnxVdoSGAdiCueReq)	long	The value of tmnxVdoSGAdiCueReq indicates the total number of total number of cue requests sent to the Ad Insert (ADI) server.
vdoSGAdiInitReq [Vdo SGAdi Init Req] (tmnxVdoSGAdiInitReq)	long	The value of tmnxVdoSGAdiInitReq indicates the total number of init requests received from the Ad Insert (ADI) server.
vdoSGAdiMaxPort [Vdo SGAdi Max Port] (tmnxVdoSGAdiMaxPort)	long	The value of tmnxVdoSGAdiMaxPort indicates the maximum ip port number where the Ad Insert (ADI) server's insertion stream is connected.
vdoSGAdiMinPort [Vdo SGAdi Min Port] (tmnxVdoSGAdiMinPort)	long	The value of tmnxVdoSGAdiMinPort indicates the minimum ip port number where the Ad Insert (ADI) server's insertion stream is connected.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiServerAddr [Vdo SGAdi Server Addr] (tmnxVdoSGAdiServerAddr)	String	The value of tmnxVdoSGAdiServerAddr indicates the address of Ad Insert (ADI) server on this channel.
vdoSGAdiServerAddrType [Vdo SGAdi Server Addr Type] (tmnxVdoSGAdiServerAddrType)	int	The value of tmnxVdoSGAdiServerAddrType indicates the type of Ad Insert (ADI) server address represented by tmnxVdoSGAdiServerAddr.
vdoSGAdiServerUptime [Vdo SGAdi Server Uptime] (tmnxVdoSGAdiServerUptime)	long	The value of tmnxVdoSGAdiServerUptime indicates the time in seconds since the connection with Ad Insert (ADI) server was established.
vdoSGAdiSpliceReq [Vdo SGAdi Splice Req] (tmnxVdoSGAdiSpliceReq)	long	The value of tmnxVdoSGAdiSpliceReq indicates the total number of splice requests received from the Ad Insert (ADI) server.
vdoSGAdiSucAbortResp [Vdo SGAdi Suc Abort Resp] (tmnxVdoSGAdiSucAbortResp)	long	The value of tmnxVdoSGAdiSucAbortResp indicates the total number of successful abort responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucAliveResp [Vdo SGAdi Suc Alive Resp] (tmnxVdoSGAdiSucAliveResp)	long	The value of tmnxVdoSGAdiSucAliveResp indicates the total number of successful alive messages sent to the Ad Insert (ADI) server.
vdoSGAdiSucCueResp [Vdo SGAdi Suc Cue Resp] (tmnxVdoSGAdiSucCueResp)	long	The value of tmnxVdoSGAdiSucCueResp indicates the total number of successful cue responses received from the Ad Insert (ADI) server.
vdoSGAdiSucInitResp [Vdo SGAdi Suc Init Resp] (tmnxVdoSGAdiSucInitResp)	long	The value of tmnxVdoSGAdiSucInitResp indicates the total number of successful init responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucSpliceInCompResp [Vdo SGAdi Suc Splice In Comp Resp] (tmnxVdoSGAdiSucSpliceInCompResp)	long	The value of tmnxVdoSGAdiSucSpliceInCompResp indicates the total number of successful splice-in complete responses sent to the Ad Insert (ADI) server.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiSucSpliceOutCompResp [Vdo SGAdi Suc Splice Out Comp Resp] (tmnxVdoSGAdiSucSpliceOutCompResp)	long	The value of tmnxVdoSGAdiSucSpliceOutCompResp indicates the total number of successful splice-out complete responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucSpliceResp [Vdo SGAdi Suc Splice Resp] (tmnxVdoSGAdiSucSpliceResp)	long	The value of tmnxVdoSGAdiSucSpliceResp indicates the total number of successful splice responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnSucAliveResp [Vdo SGAdi Un Suc Alive Resp] (tmnxVdoSGAdiUnSucAliveResp)	long	The value of tmnxVdoSGAdiUnSucAliveResp indicates the total number of unsuccessful alive messages sent to the Ad Insert (ADI) server.
vdoSGAdiUnknownSCTE30Req [Vdo SGAdi Unknown SCTE30 Req] (tmnxVdoSGAdiUnknownSCTE30Req)	long	The value of tmnxVdoSGAdiUnknownSCTE30Req indicates the total number of invalid Society of Cable Telecommunications Engineers 30 (SCTE-30) requests received from the Ad Insert (ADI) server.
vdoSGAdiUnsucAbortResp [Vdo SGAdi Unsuc Abort Resp] (tmnxVdoSGAdiUnsucAbortResp)	long	The value of tmnxVdoSGAdiUnsucAbortResp indicates the total number of unsuccessful abort responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnsucCueResp [Vdo SGAdi Unsuc Cue Resp] (tmnxVdoSGAdiUnsucCueResp)	long	The value of tmnxVdoSGAdiUnsucCueResp indicates the total number of unsuccessful cue responses received from the Ad Insert (ADI) server.
vdoSGAdiUnsucInitResp [Vdo SGAdi Unsuc Init Resp] (tmnxVdoSGAdiUnsucInitResp)	long	The value of tmnxVdoSGAdiUnsucInitResp indicates the total number of unsuccessful init responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnsucSpliceOutComRes [Vdo SGAdi Unsuc Splice Out Com Res] (tmnxVdoSGAdiUnsucSpliceOutComRes)	long	The value of tmnxVdoSGAdiUnsucSpliceOutComRes indicates the total number of unsuccessful splice-out complete responses sent to the Ad Insert (ADI) server.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiUnsucSpliceResp [Vdo SGAdi Unsuc Splice Resp] (tmnxVdoSGAdiUnsucSpliceResp)	long	The value of tmnxVdoSGAdiUnsucSpliceResp indicates the total number of unsuccessful splice responses sent to the Ad Insert (ADI) server.
<p>VdoGrpSrcSpliceStats MIB entry name: tmnxVdoSGSpliceStatusEntry Entry description: An entry in the tmnxVdoSGSpliceStatusEntry. Each entry represents a splice request received by the splicer. Table description (for tmnxVdoSGSpliceStatusTable): The tmnxVdoSGSpliceStatusTable has an entry for each splice request received by the splicer. This table contains information about the splice request. Does not support realtime plotting Supports scheduled collection Monitored class: service.ZoneAdiChl</p>		
vdoSGSpliceAbortReason [Vdo SGSplice Abort Reason] (tmnxVdoSGSpliceAbortReason)	long	The value of tmnxVdoSGSpliceAbortReason indicates the reason if a splice operation has been aborted. If the value of this object is equal to 'none', then the splice has not been aborted.
vdoSGSpliceAdServerAddr [Vdo SGSplice Ad Server Addr] (tmnxVdoSGSpliceAdServerAddr)	String	The value of tmnxVdoSGSpliceAdServerAddr indicates the address of the Ad Insert (ADI) server that issued the splice request.
vdoSGSpliceAdServerAddrType [Vdo SGSplice Ad Server Addr Type] (tmnxVdoSGSpliceAdServerAddrType)	int	The value of tmnxVdoSGSpliceAdServerAddrType indicates the type of Ad Insert (ADI) server address represented by tmnxVdoSGSpliceAdServerAddr.
vdoSGSpliceBlkFramePTS [Vdo SGSplice Blk Frame PTS] (tmnxVdoSGSpliceBlkFramePTS)	String	The value of tmnxVdoSGSpliceBlkFramePTS indicates the Presentation Timestamp (PTS) of the first black frame.
vdoSGSpliceDurationPlayed [Vdo SGSplice Duration Played] (tmnxVdoSGSpliceDurationPlayed)	long	The value of tmnxVdoSGSpliceDurationPlayed indicates the splice duration, in seconds, played by the splicer.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGSpliceDurationReq [Vdo SGSsplice Duration Req] (tmnxVdoSGSpliceDurationReq)	long	The value of tmnxVdoSGSpliceDurationReq indicates the splice duration, in seconds, of the ad requested by the Ad Insert (ADI) server.
vdoSGSpliceMaxAdPTS [Vdo SGSsplice Max Ad PTS] (tmnxVdoSGSpliceMaxAdPTS)	String	The value of tmnxVdoSGSpliceMaxAdPTS indicates the maximum Presentation Timestamp (PTS) value of the last Group of Pictures (GOP) of ad stream (non-black frame).
vdoSGSpliceMinNwPTS [Vdo SGSsplice Min Nw PTS] (tmnxVdoSGSpliceMinNwPTS)	String	The value of tmnxVdoSGSpliceMinNwPTS indicates the minimum Presentation Timestamp (PTS) value from the first Group of Pictures (GOP) of the network stream after the splice out has occurred.
vdoSGSpliceNumBlkFrames [Vdo SGSsplice Num Blk Frames] (tmnxVdoSGSpliceNumBlkFrames)	long	The value of tmnxVdoSGSpliceNumBlkFrames indicates the number of black frames inserted.
vdoSGSplicePriorSessionId [Vdo SGSsplice Prior Session Id] (tmnxVdoSGSplicePriorSessionId)	long	The value of tmnxVdoSGSplicePriorSessionId indicates the prior session id of the ad. If the value of this object is not equal to 0xFFFFFFFF, then this splice is a back-to-back ad insertion.
vdoSGSpliceRate [Vdo SGSsplice Rate] (tmnxVdoSGSpliceRate)	long	The value of tmnxVdoSGSpliceRate indicates the rate of the ad stream, in kilo-bits per second (kbps), received by the splicer.
vdoSGSpliceSessionId [Vdo SGSsplice Session Id] (tmnxVdoSGSpliceSessionId)	long	The value of tmnxVdoSGSpliceSessionId indicates the session ID of the ad request.
vdoSGSpliceSpliceInSeqNum [Vdo SGSsplice Splice In Seq Num] (tmnxVdoSGSpliceSpliceInSeqNum)	long	The value of tmnxVdoSGSpliceSpliceInSeqNum indicates the sequence number at which the splice-in to the ad occurred.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGSpliceSpliceOutSeqNum [Vdo SGSplice Splice Out Seq Num] (tmnxVdoSGSpliceSpliceOutSeqNum)	long	The value of tmnxVdoSGSpliceSpliceOutSeqNum indicates the sequence number at which the splice-out to the ad occurred.
vdoSGSpliceStartTime [Vdo SGSplice Start Time] (tmnxVdoSGSpliceStartTime)	long	The value of tmnxVdoSGSpliceStartTime indicates the start time of splice in seconds.
vdoSGSpliceStatus [Vdo SGSplice Status] (tmnxVdoSGSpliceStatus)	long	The value of tmnxVdoSGSpliceStatus indicates the status of this splice request.
VdoGrpSrcStats MIB entry name: tmnxVdoGrpSrcStatEntry Entry description: An entry in the tmnxVdoGrpSrcStatTable. Each entry represents a source address for the corresponding multicast group. Table description (for tmnxVdoGrpSrcStatTable): tmnxVdoGrpSrcStatTable contains channel information and statistics for the multicast groups. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • service.AdiChl • service.ZoneAdiChl 		
vdoGrpSrcADIAAdminState [Vdo Grp Src ADIAAdmin State] (tmnxVdoGrpSrcADIAAdminState)	int	The value of tmnxVdoGrpSrcADIAAdminState indicates whether Ad Insertion is enabled on the video ISA.
vdoGrpSrcADICurrentState [Vdo Grp Src ADICurrent State] (tmnxVdoGrpSrcADICurrentState)	long	The value of tmnxVdoGrpSrcADICurrentState indicates whether the video ISA is transmitting network stream or ads.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcADIPATChanges [Vdo Grp Src ADIPATChanges] (tmnxVdoGrpSrcADIPATChanges)	long	The value of tmnxVdoGrpSrcADIPATChanges indicates the total number of Program Association Table (PAT) version changes.
vdoGrpSrcADIPATVersion [Vdo Grp Src ADIPATVersion] (tmnxVdoGrpSrcADIPATVersion)	long	The value of tmnxVdoGrpSrcADIPATVersion indicates the version of the Program Association Table (PAT).
vdoGrpSrcADIPMTChanges [Vdo Grp Src ADIPMTChanges] (tmnxVdoGrpSrcADIPMTChanges)	long	The value of tmnxVdoGrpSrcADIPMTChanges indicates the total number of Program Map Table (PMT) version changes.
vdoGrpSrcADIPMTVersion [Vdo Grp Src ADIPMTVersion] (tmnxVdoGrpSrcADIPMTVersion)	long	The value of tmnxVdoGrpSrcADIPMTVersion indicates the version of the Program Map Table (PMT).
vdoGrpSrcADIRxPackets [Vdo Grp Src ADIRx Packets] (tmnxVdoGrpSrcADIRxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcADIRxPackets indicates the total number of Ad Insert (ADI) packets received by the video ISA.
vdoGrpSrcADIRxSCTE35MsgDisc [Vdo Grp Src ADIRx SCTE35 Msg Disc] (tmnxVdoGrpSrcADIRxSCTE35MsgDisc)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgDisc indicates the total number of Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA and discarded. SCTE-35 messages with unsupported commands and encrypted SCTE-35 messages are discarded.
vdoGrpSrcADIRxSCTE35MsgEnc [Vdo Grp Src ADIRx SCTE35 Msg Enc] (tmnxVdoGrpSrcADIRxSCTE35MsgEnc)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgEnc indicates the total number of encrypted Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.
vdoGrpSrcADIRxSCTE35MsgUnsup [Vdo Grp Src ADIRx SCTE35 Msg Unsup] (tmnxVdoGrpSrcADIRxSCTE35MsgUnsup)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgUnsup indicates the total number of unsupported Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcADIRxSCTE35Msgs [Vdo Grp Src ADIRx SCTE35 Msgs] (tmnxVdoGrpSrcADIRxSCTE35Msgs)	long	The value of tmnxVdoGrpSrcADIRxSCTE35Msgs indicates the total number of Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.
vdoGrpSrcADITxPackets [Vdo Grp Src ADITx Packets] (tmnxVdoGrpSrcADITxPackets)	java. math. BigInte- ger	The value of tmnxVdoGrpSrcADITxPackets indicates the total number of Ad Insert (ADI) packets sent by the video ISA.
vdoGrpSrcADIUnsuppTSLenPkts [Vdo Grp Src ADIUnsupp TSLen Pkts] (tmnxVdoGrpSrcADIUnsuppTSLenPkts)	long	The value of tmnxVdoGrpSrcADIUnsuppTSLenPkts indicates the total number of data packets received whose size is not equal to 188 bytes. The value of this object is valid only when the corresponding tmnxVdoGrpADIServerState value is set to 'true'.
vdoGrpSrcAdminBW [Vdo Grp Src Admin BW] (tmnxVdoGrpSrcAdminBW)	long	The value of tmnxVdoGrpSrcAdminBW indicates the administrative bandwidth of the multicast group.
vdoGrpSrcAdminRTBufferSize [Vdo Grp Src Admin RTBuffer Size] (tmnxVdoGrpSrcAdminRTBufferSize)	long	The value of tmnxVdoGrpSrcAdminRTBufferSize indicates the number of milliseconds worth of channel packets to store for the Retransmission (RT) server.
vdoGrpSrcBufferSize [Vdo Grp Src Buffer Size] (tmnxVdoGrpSrcBufferSize)	long	The value of tmnxVdoGrpSrcBufferSize indicates the number of milliseconds worth of channel packets stored by the Retransmission (RT) server or Fast Channel Change (FCC) server on this channel.
vdoGrpSrcDupSeqNumber [Vdo Grp Src Dup Seq Number] (tmnxVdoGrpSrcDupSeqNumber)	long	The value of tmnxVdoGrpSrcDupSeqNumber indicates the total number of Real-time Transport Protocol (RTP) packets detected with a duplicate sequence number.
vdoGrpSrcDupSsrc [Vdo Grp Src Dup Ssrc] (tmnxVdoGrpSrcDupSsrc)	long	The value of tmnxVdoGrpSrcDupSsrc indicates the number of packets detected with a duplicate synchronization source (SSRC) identifier.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcFCCSvrAdminState [Vdo Grp Src FCCSvr Admin State] (tmnxVdoGrpSrcFCCSvrAdminState)	int	The value of tmnxVdoGrpSrcFCCSvrAdminState indicates whether the Fast Channel Change (FCC) server is enabled on this channel.
vdoGrpSrcFCCSvrChnlType [Vdo Grp Src FCCSvr Chnl Type] (tmnxVdoGrpSrcFCCSvrChnlType)	int	The value of tmnxVdoGrpSrcFCCSvrChnlType indicates the type of channel served by the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrRxFCCReq [Vdo Grp Src FCCSvr Rx FCCReq] (tmnxVdoGrpSrcFCCSvrRxFCCReq)	long	The value of tmnxVdoGrpSrcFCCSvrRxFCCReq indicates the total number of Fast Channel Change (FCC) requests received by the FCC server.
vdoGrpSrcFCCSvrRxFailedReq [Vdo Grp Src FCCSvr Rx Failed Req] (tmnxVdoGrpSrcFCCSvrRxFailedReq)	long	The value of tmnxVdoGrpSrcFCCSvrRxFailedReq indicates the total number of failed requests at the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrTxBytes [Vdo Grp Src FCCSvr Tx Bytes] (tmnxVdoGrpSrcFCCSvrTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcFCCSvrTxBytes indicates the total number of bytes sent by the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrTxFCCReplies [Vdo Grp Src FCCSvr Tx FCCReplies] (tmnxVdoGrpSrcFCCSvrTxFCCReplies)	long	The value of tmnxVdoGrpSrcFCCSvrTxFCCReplies indicates the total number of Fast Channel Change (FCC) replies sent by the FCC server.
vdoGrpSrcFCCSvrTxPackets [Vdo Grp Src FCCSvr Tx Packets] (tmnxVdoGrpSrcFCCSvrTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcFCCSvrTxPackets indicates the total number of packets sent by the Fast Channel Change (FCC) server.
vdoGrpSrcGroupAddress [Vdo Grp Src Group Address] (tmnxVdoGrpSrcGroupAddress)	String	The value of tmnxVdoGrpSrcGroupAddress indicates the IP multicast group address for which this entry contains information.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcGrpAddrType [Vdo Grp Src Grp Addr Type] (tmnxVdoGrpSrcGrpAddrType)	int	The value of tmnxVdoGrpSrcGrpAddrType indicates the type of IP multicast group address represented by tmnxVdoGrpSrcGroupAddress.
vdoGrpSrcRTClientAdminState [Vdo Grp Src RTClient Admin State] (tmnxVdoGrpSrcRTClientAdminState)	int	The value of tmnxVdoGrpSrcRTClientAdminState indicates the administrative state of the retransmission client.
vdoGrpSrcRTClientFailedReq [Vdo Grp Src RTClient Failed Req] (tmnxVdoGrpSrcRTClientFailedReq)	long	The value of tmnxVdoGrpSrcRTClientFailedReq indicates the total number of Retransmission (RT) requests that could not be generated by the RT client due to gaps in the sequence numbers.
vdoGrpSrcRTClientGapsDetectd [Vdo Grp Src RTClient Gaps Detectd] (tmnxVdoGrpSrcRTClientGapsDetectd)	long	The value of tmnxVdoGrpSrcRTClientGapsDetectd indicates the total number of gaps in the sequence numbers detected by the Retransmission (RT) client.
vdoGrpSrcRTClientRTSvrPort [Vdo Grp Src RTClient RTSvr Port] (tmnxVdoGrpSrcRTClientRTSvrPort)	long	The value of tmnxVdoGrpSrcRTClientRTSvrPort indicates the Retransmission (RT) server port for this channel.
vdoGrpSrcRTClientRxReTxBytes [Vdo Grp Src RTClient Rx Re Tx Bytes] (tmnxVdoGrpSrcRTClientRxReTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTClientRxReTxBytes indicates the total number of retransmitted bytes received by the Retransmission (RT) client.
vdoGrpSrcRTClientRxReTxPkts [Vdo Grp Src RTClient Rx Re Tx Pkts] (tmnxVdoGrpSrcRTClientRxReTxPkts)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTClientRxReTxPkts indicates the total number of retransmitted packets received by the Retransmission (RT) client.
vdoGrpSrcRTClientTxRTReq [Vdo Grp Src RTClient Tx RTReq] (tmnxVdoGrpSrcRTClientTxRTReq)	long	The value of tmnxVdoGrpSrcRTClientTxRTReq indicates the total number of Retransmission (RT) requests sent by the RT client.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcRTClientTxRTReqReTx [Vdo Grp Src RTClient Tx RTReq Re Tx] (tmnxVdoGrpSrcRTClientTxRTReqReTx)	long	The value of tmnxVdoGrpSrcRTClientTxRTReqReTx indicates the total number of repeat Retransmission (RT) requests attempted by the RT client.
vdoGrpSrcRTCIntRTSvrAddr [Vdo Grp Src RTCInt RTSvr Addr] (tmnxVdoGrpSrcRTCIntRTSvrAddr)	String	The value of tmnxVdoGrpSrcRTCIntRTSvrAddr indicates the address of the Retransmission (RT) server for this channel.
vdoGrpSrcRTCIntRTSvrAddrType [Vdo Grp Src RTCInt RTSvr Addr Type] (tmnxVdoGrpSrcRTCIntRTSvrAddrType)	int	The value of tmnxVdoGrpSrcRTCIntRTSvrAddrType indicates the type of address represented by tmnxVdoGrpSrcRTCIntRTSvrAddr.
vdoGrpSrcRTSvrAdminState [Vdo Grp Src RTSvr Admin State] (tmnxVdoGrpSrcRTSvrAdminState)	int	The value of tmnxVdoGrpSrcRTSvrAdminState indicates the administrative state of the Retransmission (RT) server.
vdoGrpSrcRTSvrRtpPktsReq [Vdo Grp Src RTSvr Rtp Pkts Req] (tmnxVdoGrpSrcRTSvrRtpPktsReq)	long	The value of tmnxVdoGrpSrcRTSvrRtpPktsReq indicates the total number of Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this channel.
vdoGrpSrcRTSvrRxFailedReq [Vdo Grp Src RTSvr Rx Failed Req] (tmnxVdoGrpSrcRTSvrRxFailedReq)	long	The value of tmnxVdoGrpSrcRTSvrRxFailedReq indicates the total number of failed requests at the Retransmission (RT) server due to congestion or lack of resources.
vdoGrpSrcRTSvrRxRTReq [Vdo Grp Src RTSvr Rx RTReq] (tmnxVdoGrpSrcRTSvrRxRTReq)	long	The value of tmnxVdoGrpSrcRTSvrRxRTReq indicates the total number of RT requests received by the Retransmission (RT) server.
vdoGrpSrcRTSvrTxBytes [Vdo Grp Src RTSvr Tx Bytes] (tmnxVdoGrpSrcRTSvrTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTSvrTxBytes indicates the total number of bytes sent by the Retransmission (RT) server.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcRTSrvrTxPackets [Vdo Grp Src RTSrvr Tx Packets] (tmnxVdoGrpSrcRTSrvrTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTSrvrTxPackets indicates the total number of packets sent by the Retransmission (RT) server.
vdoGrpSrcRTSrvrTxRTReplies [Vdo Grp Src RTSrvr Tx RTReplies] (tmnxVdoGrpSrcRTSrvrTxRTReplies)	long	The value of tmnxVdoGrpSrcRTSrvrTxRTReplies indicates the total number of Retransmission (RT) replies sent by the RT server.
vdoGrpSrcRxBytes [Vdo Grp Src Rx Bytes] (tmnxVdoGrpSrcRxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxBytes indicates the total number of bytes received on this multicast channel.
vdoGrpSrcRxDupSsrcDrops [Vdo Grp Src Rx Dup Ssrc Drops] (tmnxVdoGrpSrcRxDupSsrcDrops)	long	The value of tmnxVdoGrpSrcRxDupSsrcDrops indicates the number of receive-packets dropped with a duplicate synchronization source (SSRC) identifier.
vdoGrpSrcRxInvalidPackets [Vdo Grp Src Rx Invalid Packets] (tmnxVdoGrpSrcRxInvalidPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxInvalidPackets indicates the total number of invalid packets received on this multicast channel.
vdoGrpSrcRxPackets [Vdo Grp Src Rx Packets] (tmnxVdoGrpSrcRxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxPackets indicates the total number of packets received on this multicast channel.
vdoGrpSrcSSRCId [Vdo Grp Src SSRCId] (tmnxVdoGrpSrcSSRCId)	long	The value of tmnxVdoGrpSrcSSRCId indicates the synchronization source (SSRC) identifier carried in the Real-time Transport Protocol (RTP) header to identify the source of a stream of RTP packets.
vdoGrpSrcSourceAddress [Vdo Grp Src Source Address] (tmnxVdoGrpSrcSourceAddress)	String	The value of tmnxVdoGrpSrcSourceAddress indicates the IP multicast source address for which this entry contains information.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcSrcAddrType [Vdo Grp Src Src Addr Type] (tmnxVdoGrpSrcSrcAddrType)	int	The value of tmnxVdoGrpSrcSrcAddrType indicates the type of IP multicast source address represented by tmnxVdoGrpSrcSourceAddress.
vdoGrpSrcStreamType [Vdo Grp Src Stream Type] (tmnxVdoGrpSrcStreamType)	long	The value of tmnxVdoGrpSrcStreamType indicates the type of stream being transmitted from the video ISA perspective. Network stream is the stream ingressing the video ISA and being stored by it. Zone stream is the stream egressing the video ISA into which AD streams will be inserted.
vdoGrpSrcTxBytes [Vdo Grp Src Tx Bytes] (tmnxVdoGrpSrcTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxBytes indicates the total number of bytes transmitted on this multicast channel.
vdoGrpSrcTxFailedPackets [Vdo Grp Src Tx Failed Packets] (tmnxVdoGrpSrcTxFailedPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxFailedPackets indicates the total number of failures during the transmission of packets on this multicast channel. Failure happens when the packet to be sent is not stored in the video cache.
vdoGrpSrcTxPackets [Vdo Grp Src Tx Packets] (tmnxVdoGrpSrcTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxPackets indicates the total number of packets transmitted on this multicast channel.
vdoGrpSrcUDPDestPort [Vdo Grp Src UDPDest Port] (tmnxVdoGrpSrcUDPDestPort)	long	The value of tmnxVdoGrpSrcUDPDestPort indicates the UDP destination port in the received RTP multicast stream.
vdoGrpSrcUDPSrcPort [Vdo Grp Src UDPSrc Port] (tmnxVdoGrpSrcUDPSrcPort)	long	The value of tmnxVdoGrpSrcUDPSrcPort indicates the UDP source port in the received RTP multicast stream.
vdoGrpSrcUptime [Vdo Grp Src Uptime] (tmnxVdoGrpSrcUptime)	long	The value of tmnxVdoGrpSrcUptime indicates the time since this source group entry was created.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcVdoGrpId [Vdo Grp Src Vdo Grp Id] (tmnxVdoGrpSrcVdoGrpId)	long	The value of tmnxVdoGrpSrcVdoGrpId indicates the identifier of the video group.
<p>VdolfStats MIB entry name: tmnxVdolfStatEntry Entry description: An entry in the tmnxVdolfStatTable. Each row entry represents an IP address assigned to a video interface. Table description (for tmnxVdolfStatTable): tmnxVdolfStatTable contains information and statistics for each video interface configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: service.VideoflpAddress</p>		
vdolfScte30InitSessions [Vdo If Scte 30 Init Sessions] (tmnxVdolfScte30InitSessions)	long	The value of tmnxVdolfScte30InitSessions indicates the total number of scte30 init sessions with the Ad Insert (ADI) servers for this interface.
vdolfScte30TcpSessions [Vdo If Scte 30 Tcp Sessions] (tmnxVdolfScte30TcpSessions)	long	The value of tmnxVdolfScte30TcpSessions indicates the total number of scte30 tcp sessions with the Ad Insert (ADI) servers for this interface.
vdolfStatFCCSrRxHdFCCReq [Vdo If Stat FCCSr Rx Hd FCCReq] (tmnxVdolfStatFCCSrRxHdFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxHdFCCReq indicates the total number of Fast Channel Change (FCC) requests received from High Definition (HD) channels on this interface.
vdolfStatFCCSrRxHdFailedReq [Vdo If Stat FCCSr Rx Hd Failed Req] (tmnxVdolfStatFCCSrRxHdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxHdFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from High Definition (HD) channels on this interface.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatFCCSrRxPipFCCReq [Vdo If Stat FCCSr Rx Pip FCCReq] (tmnxVdolfStatFCCSrRxPipFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxPipFCCReq indicates the total number of Fast Channel Change (FCC) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatFCCSrRxPipFailedReq [Vdo If Stat FCCSr Rx Pip Failed Req] (tmnxVdolfStatFCCSrRxPipFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxPipFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatFCCSrRxSdFCCReq [Vdo If Stat FCCSr Rx Sd FCCReq] (tmnxVdolfStatFCCSrRxSdFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxSdFCCReq indicates the total number of Fast Channel Change (FCC) requests received from Standard Definition (SD) channels on this interface.
vdolfStatFCCSrRxSdFailedReq [Vdo If Stat FCCSr Rx Sd Failed Req] (tmnxVdolfStatFCCSrRxSdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxSdFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from Standard Definition (SD) channels on this interface.
vdolfStatFCCSrTxHdBytes [Vdo If Stat FCCSr Tx Hd Bytes] (tmnxVdolfStatFCCSrTxHdBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdBytes indicates the total number of High Definition (HD) channel bytes sent from this interface.
vdolfStatFCCSrTxHdFCCReplies [Vdo If Stat FCCSr Tx Hd FCCReplies] (tmnxVdolfStatFCCSrTxHdFCCReplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdFCCReplies indicates the total number of High Definition (HD) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxHdPackets [Vdo If Stat FCCSr Tx Hd Packets] (tmnxVdolfStatFCCSrTxHdPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdPackets indicates the total number of High Definition (HD) channel packets sent from this interface.
vdolfStatFCCSrTxPipBytes [Vdo If Stat FCCSr Tx Pip Bytes] (tmnxVdolfStatFCCSrTxPipBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipBytes indicates the total number of Picture-In-Picture (PIP) channel bytes sent from this interface.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatFCCSrTxPipFCCRplies [Vdo If Stat FCCSr Tx Pip FCCRplies] (tmnxVdolfStatFCCSrTxPipFCCRplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipFCCRplies indicates the total number of Picture-In-Picture (PIP) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxPipPackets [Vdo If Stat FCCSr Tx Pip Packets] (tmnxVdolfStatFCCSrTxPipPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipPackets indicates the total number of Picture-In-Picture (PIP) channel packets sent from this interface.
vdolfStatFCCSrTxSdBytes [Vdo If Stat FCCSr Tx Sd Bytes] (tmnxVdolfStatFCCSrTxSdBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdBytes indicates the total number of Standard Definition (SD) channel bytes sent from this interface.
vdolfStatFCCSrTxSdFCCReplies [Vdo If Stat FCCSr Tx Sd FCCReplies] (tmnxVdolfStatFCCSrTxSdFCCReplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdFCCReplies indicates the total number of Standard Definition (SD) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxSdPackets [Vdo If Stat FCCSr Tx Sd Packets] (tmnxVdolfStatFCCSrTxSdPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdPackets indicates the total number of Standard Definition (SD) channel packets sent from this interface.
vdolfStatHdFCCServerMode [Vdo If Stat Hd FCCServer Mode] (tmnxVdolfStatHdFCCServerMode)	int	The value of tmnxVdolfStatHdFCCServerMode indicates the mode of the High Definition (HD) Fast Channel Change (FCC) server on this interface.
vdolfStatHdRTServerState [Vdo If Stat Hd RTServer State] (tmnxVdolfStatHdRTServerState)	boolean	The value of tmnxVdolfStatHdRTServerState indicates whether the High Definition (HD) retransmission server is enabled on this interface.
vdolfStatPipFCCServerMode [Vdo If Stat Pip FCCServer Mode] (tmnxVdolfStatPipFCCServerMode)	int	The value of tmnxVdolfStatPipFCCServerMode indicates the mode of the Picture-in-Picture (PIP) Fast Channel Change (FCC) server on this interface.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatPipRTServerState [Vdo If Stat Pip RTServer State] (tmnxVdolfStatPipRTServerState)	boolean	The value of tmnxVdolfStatPipRTServerState indicates whether the Picture-in-Picture (PIP) retransmission server is enabled on this interface.
vdolfStatRTSvrHdRtpPktsReq [Vdo If Stat RTSvr Hd Rtp Pkts Req] (tmnxVdolfStatRTSvrHdRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrHdRtpPktsReq indicates the total number of High Definition (HD) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrPipRtpPktsReq [Vdo If Stat RTSvr Pip Rtp Pkts Req] (tmnxVdolfStatRTSvrPipRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrPipRtpPktsReq indicates the total number of Picture-In-Picture (PIP) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrRxHdFailedReq [Vdo If Stat RTSvr Rx Hd Failed Req] (tmnxVdolfStatRTSvrRxHdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxHdFailedReq indicates the total number of failed Retransmission (RT) requests received from High Definition (HD) channels on this interface.
vdolfStatRTSvrRxHdRTReq [Vdo If Stat RTSvr Rx Hd RTReq] (tmnxVdolfStatRTSvrRxHdRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxHdRTReq indicates the total number of Retransmission (RT) requests received from High Definition (HD) channels on this interface.
vdolfStatRTSvrRxPipFailedReq [Vdo If Stat RTSvr Rx Pip Failed Req] (tmnxVdolfStatRTSvrRxPipFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxPipFailedReq indicates the total number of failed Retransmission (RT) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatRTSvrRxPipRTReq [Vdo If Stat RTSvr Rx Pip RTReq] (tmnxVdolfStatRTSvrRxPipRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxPipRTReq indicates the total number of Retransmission (RT) requests received from Picture-In-Picture (PIP) channels on this interface.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatRTSvrRxSdFailedReq [Vdo If Stat RTSvr Rx Sd Failed Req] (tmnxVdolfStatRTSvrRxSdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxSdFailedReq indicates the total number of failed Retransmission (RT) requests received from Standard Definition (SD) channels on this interface.
vdolfStatRTSvrRxSdRTReq [Vdo If Stat RTSvr Rx Sd RTReq] (tmnxVdolfStatRTSvrRxSdRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxSdRTReq indicates the total number of Retransmission (RT) requests received from Standard Definition (SD) channels on this interface.
vdolfStatRTSvrSdRtpPktsReq [Vdo If Stat RTSvr Sd Rtp Pkts Req] (tmnxVdolfStatRTSvrSdRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrSdRtpPktsReq indicates the total number of Standard Definition (SD) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrTxHdBytes [Vdo If Stat RTSvr Tx Hd Bytes] (tmnxVdolfStatRTSvrTxHdBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdBytes indicates the total number of High Definition (HD) channel bytes sent from this interface.
vdolfStatRTSvrTxHdPackets [Vdo If Stat RTSvr Tx Hd Packets] (tmnxVdolfStatRTSvrTxHdPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdPackets indicates the total number of High Definition (HD) channel packets sent from this interface.
vdolfStatRTSvrTxHdRTReplies [Vdo If Stat RTSvr Tx Hd RTReplies] (tmnxVdolfStatRTSvrTxHdRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdRTReplies indicates the total number of High Definition (HD) channel Retransmission (RT) replies sent from this interface.
vdolfStatRTSvrTxPipBytes [Vdo If Stat RTSvr Tx Pip Bytes] (tmnxVdolfStatRTSvrTxPipBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipBytes indicates the total number of Picture-In-Picture (PIP) channel bytes sent from this interface.

Table 289 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatRTSvrTxPipPackets [Vdo If Stat RTSvr Tx Pip Packets] (tmnxVdolfStatRTSvrTxPipPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipPackets indicates the total number of Picture-In-Picture (PIP) channel packets sent from this interface.
vdolfStatRTSvrTxPipRTReplies [Vdo If Stat RTSvr Tx Pip RTReplies] (tmnxVdolfStatRTSvrTxPipRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipRTReplies indicates the total number of Picture-In-Picture (PIP) channel Retransmission (RT) replies sent from this interface.
vdolfStatRTSvrTxSdBytes [Vdo If Stat RTSvr Tx Sd Bytes] (tmnxVdolfStatRTSvrTxSdBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdBytes indicates the total number of Standard Definition (SD) channel bytes sent from this interface.
vdolfStatRTSvrTxSdPackets [Vdo If Stat RTSvr Tx Sd Packets] (tmnxVdolfStatRTSvrTxSdPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdPackets indicates the total number of Standard Definition (SD) channel packets sent from this interface.
vdolfStatRTSvrTxSdRTReplies [Vdo If Stat RTSvr Tx Sd RTReplies] (tmnxVdolfStatRTSvrTxSdRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdRTReplies indicates the total number of Standard Definition (SD) channel Retransmission (RT) replies sent from this interface.
vdolfStatSdFCCServerMode [Vdo If Stat Sd FCCServer Mode] (tmnxVdolfStatSdFCCServerMode)	int	The value of tmnxVdolfStatSdFCCServerMode indicates the mode of the Standard Definition (SD) Fast Channel Change (FCC) server on this interface.
vdolfStatSdRTServerState [Vdo If Stat Sd RTServer State] (tmnxVdolfStatSdRTServerState)	boolean	The value of tmnxVdolfStatSdRTServerState indicates whether the Standard Definition (SD) retransmission server is enabled on this interface.
vdolfStatTxFailedPackets [Vdo If Stat Tx Failed Packets] (tmnxVdolfStatTxFailedPackets)	java. math. BigInteger	The value of tmnxVdolfStatTxFailedPackets indicates the total number of failures during the transmission of packets from this video interface. Failure happens when the packet to be sent is not stored in the video cache.

Table 290 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 290 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats MIB entry name: tCpmIPv6FilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created. Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 290 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats</p> <p>MIB entry name: tCpmMacFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFltrEntryId. Entries are created when tCpmMacFilterEntry rows are created.</p> <p>Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 290 sitesecc statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criteria are applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesecc.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesecc.SiteSystemSecurityPublicKey</p>		

Table 290 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 290 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 291 slaprofile statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfileStats</p> <p>MIB entry name: tmnxSubMgmtSlaProfStatsEntry</p> <p>Entry description: Each row entry represents a set of subscriber mgmt SLA-profile statistics.</p> <p>Table description (for tmnxSubMgmtSlaProfStatsTable): The tmnxSubMgmtSlaProfStatsTable contains the subscriber mgmt SLA-profile statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
slaProfileCurrent [Sla Profile Current] (tmnxSubMgmtSlaProfStatsCurr)	long	The value of tmnxSubMgmtSlaProfStatsCurr indicates the number of instances currently present for this SLA-profile.
slaProfileName [Sla Profile Name] (tmnxSubMgmtSlaProfStatsName)	String	The value of tmnxSubMgmtSlaProfStatsName specifies the SLA-profile for these statistics.
slaProfilePeak [Sla Profile Peak] (tmnxSubMgmtSlaProfStatsPeak)	long	The value of tmnxSubMgmtSlaProfStatsPeak indicates the peak number of instances for this SLA-profile.
slaProfileTimeStamp [Sla Profile Time Stamp] (tmnxSubMgmtSlaProfStatsTimestamp)	long	The value of tmnxSubMgmtSlaProfStatsTimestamp indicates the timestamp when the peak number of instances for this SLA-profile was reached.

Table 292 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetFarEndLineCurrentStats MIB entry name: sonetFarEndLineCurrentEntry Entry description: An entry in the SONET/SDH Far End Line Current table. Table description (for sonetFarEndLineCurrentTable): The SONET/SDH Far End Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetFarEndLineCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndLineCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineIntervalStats</p> <p>MIB entry name: sonetFarEndLineIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Line Interval table.</p> <p>Table description (for sonetFarEndLineIntervalTable): The SONET/SDH Far End Line Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndLineIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineIntervalSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathCurrentStats</p> <p>MIB entry name: sonetFarEndPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Current table.</p> <p>Table description (for sonetFarEndPathCurrentTable): The SONET/SDH Far End Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndPathCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathCurrentSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathIntervalStats</p> <p>MIB entry name: sonetFarEndPathIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Interval table.</p> <p>Table description (for sonetFarEndPathIntervalTable): The SONET/SDH Far End Path Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndPathIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathIntervalSEs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
SonetFarEndVtCurrentStats MIB entry name: sonetFarEndVtCurrentEntry Entry description: An entry in the SONET/SDH Far End VT Current table. Table description (for sonetFarEndVtCurrentTable): The SONET/SDH Far End VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetFarEndVtCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndVtCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVtCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVtCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndVTIntervalStats MIB entry name: sonetFarEndVTIntervalEntry Entry description: An entry in the SONET/SDH Far End VT Interval table. Table description (for sonetFarEndVTIntervalTable): The SONET/SDH Far End VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVTIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndVTIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVTIntervalSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVTIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetLineCurrentStats MIB entry name: sonetLineCurrentEntry Entry description: An entry in the SONET/SDH Line Current table. Table description (for sonetLineCurrentTable): The SONET/SDH Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetLineCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval.
currentStatus [Current Status] (sonetLineCurrentStatus)	long	This variable indicates the status of the interface. The sonetLineCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetLineNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetLineNoDefect 2 sonetLineAIS 4 sonetLineRDI
erroredSeconds [Errored Seconds] (sonetLineCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineCurrentSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetLineCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineIntervalStats</p> <p>MIB entry name: sonetLineIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Line Interval table.</p> <p>Table description (for sonetLineIntervalTable): The SONET/SDH Line Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetLineIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetLineIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetPathCurrentStats MIB entry name: sonetPathCurrentEntry Entry description: An entry in the SONET/SDH Path Current table. Table description (for sonetPathCurrentTable): The SONET/SDH Path Current table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval.
currentStatus [Current Status] (sonetPathCurrentStatus)	long	This variable indicates the status of the interface. The sonetPathCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetPathNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetPathNoDefect 2 sonetPathSTSLOP 4 sonetPathSTSAIS 8 sonetPathSTSRDI 16 sonetPathUnequipped 32 sonetPathSignalLabelMismatch
currentWidth [Current Width] (sonetPathCurrentWidth)	int	A value that indicates the type of the SONET/SDH Path. For SONET, the assigned types are the STS-Nc SPEs, where N = 1, 3, 12, 24, 48, 192 and 768. STS-1 is equal to 51.84 Mbps. For SDH, the assigned types are the STM-Nc VCs, where N = 1, 4, 16, 64 and 256.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetPathCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathCurrentSEsS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetPathCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval.
<p>SonetPathIntervalStats MIB entry name: sonetPathIntervalEntry Entry description: An entry in the SONET/SDH Path Interval table. Table description (for sonetPathIntervalTable): The SONET/SDH Path Interval table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetPathIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalNumber [Interval Number] (sonetPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathIntervalSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetPathIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in a particular 15-minute interval in the past 24 hours.
SonetSectionCurrentStats MIB entry name: sonetSectionCurrentEntry Entry description: An entry in the SONET/SDH Section Current table. Table description (for sonetSectionCurrentTable): The SONET/SDH Section Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval.
currentStatus [Current Status] (sonetSectionCurrentStatus)	long	This variable indicates the status of the interface. The sonetSectionCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetSectionNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetSectionNoDefect 2 sonetSectionLOS 4 sonetSectionLOF

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetSectionCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionCurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
SonetSectionIntervalStats MIB entry name: sonetSectionIntervalEntry Entry description: An entry in the SONET/SDH Section Interval table. Table description (for sonetSectionIntervalTable): The SONET/SDH Section Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetSectionIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetSectionIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionIntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionIntervalSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
SonetVtCurrentStats MIB entry name: sonetVtCurrentEntry Entry description: An entry in the SONET/SDH VT Current table. Table description (for sonetVtCurrentTable): The SONET/SDH VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVtCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in the current 15 minute interval.
currentStatus [Current Status] (sonetVtCurrentStatus)	long	This variable indicates the status of the interface. The sonetVtCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects and failures simultaneously. The sonetVTNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetVTNoDefect 2 sonetVTLOP 4 sonetVtPathAIS 8 sonetVtPathRDI 16 sonetVtPathRFI 32 sonetVTUnequipped 64 sonetVTSignalLabelMismatch
currentWidth [Current Width] (sonetVtCurrentWidth)	int	A value that indicates the type of the SONET VT and SDH VC. Assigned widths are VT1.5/VC11, VT2/VC12, VT3, VT6/VC2, and VT6c.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetVTCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetVTCurrentSEsS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetVTCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in the current 15 minute interval.
SonetVtIntervalStats MIB entry name: sonetVTIntervalEntry Entry description: An entry in the SONET/SDH VT Interval table. Table description (for sonetVTIntervalTable): The SONET/SDH VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVTIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetVTIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 292 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredSeconds [Severely Errored Seconds] (sonetVTIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetVTIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in a particular 15-minute interval in the past 24 hours.

Table 293 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 293 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 294 subscrauth statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAuthPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.Policy</p>		
rejectedAuthentications [Rejected Authentications] (tmnxSubAuthPlcyReject)	long	The value of tmnxSubAuthPlcyReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the authentication. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
rejectedRadiusFallbackAuthentications [Rejected Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackReject)	long	The value of tmnxSubAuthPlcyFallbackReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the fallback mechanism.
successfulAuthentications [Successful Authentications] (tmnxSubAuthPlcySuccess)	long	The value of tmnxSubAuthPlcySuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
successfulRadiusFallbackAuthentications [Successful Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackSuccess)	long	The value of tmnxSubAuthPlcyFallbackSuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully by the fallback mechanism.

Table 294 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAuthPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific radius server in a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyRadStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.RadiusEntry</p>		
failedAuthenticationOverloadRequests [Failed Authentication Overload Requests] (tmnxSubAuthPlcyRadOvrldSendFail)	long	The value of tmnxSubAuthPlcyRadOvrldSendFail indicates how many authentication requests failed because the packet could not be sent out while the RADIUS server was in overload.
failedAuthenticationRequests [Failed Authentication Requests] (tmnxSubAuthPlcyRadSendFail)	long	The value of tmnxSubAuthPlcyRadSendFail indicates how many authentication requests failed because the packet could not be sent out.
md5VerificationFailedRequests [Md 5 Verification Failed Requests] (tmnxSubAuthPlcyRadMd5Fail)	long	The value of tmnxSubAuthPlcyRadMd5Fail indicates how many times the MD5 verification failed on a msg from this radius server.
pendingAuthenticationRequest [Pending Authentication Request] (tmnxSubAuthPlcyRadPending)	long	The value of tmnxSubAuthPlcyRadPending indicates how many authentication requests are currently pending.
rejectedAuthenticationRequests [Rejected Authentication Requests] (tmnxSubAuthPlcyRadReject)	long	The value of tmnxSubAuthPlcyRadReject indicates how many authentication requests were rejected by this radius server.
successfulAuthenticationRequests [Successful Authentication Requests] (tmnxSubAuthPlcyRadSuccess)	long	The value of tmnxSubAuthPlcyRadSuccess indicates how many authentication requests were accepted by this radius server.

Table 294 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timedOutAuthenticationRequests [Timed Out Authentication Requests] (tmnxSubAuthPlcyRadTimeout)	long	The value of tmnxSubAuthPlcyRadTimeout indicates how many times this radius did not reply to an authentication request within the timeout.

Table 295 subscrprofile statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberProfileStats</p> <p>MIB entry name: tmnxSubMgmtSubProfStatsEntry</p> <p>Entry description: Each row entry represents a set of subscriber mgmt sub-profile statistics.</p> <p>Table description (for tmnxSubMgmtSubProfStatsTable): The tmnxSubMgmtSubProfStatsTable contains the subscriber mgmt sub-profile statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
subscrProfileCurrent [Subscr Profile Current] (tmnxSubMgmtSubProfStatsCurr)	long	The value of tmnxSubMgmtSubProfStatsCurr indicates the number of instances currently present for this sub-profile.
subscrProfileName [Subscr Profile Name] (tmnxSubMgmtSubProfStatsName)	String	The value of tmnxSubMgmtSubProfStatsName specifies the sub-profile for these statistics.
subscrProfilePeak [Subscr Profile Peak] (tmnxSubMgmtSubProfStatsPeak)	long	The value of tmnxSubMgmtSubProfStatsPeak indicates the peak number of instances for this sub-profile.
subscrProfileTimeStamp [Subscr Profile Time Stamp] (tmnxSubMgmtSubProfStatsTimestamp)	long	The value of tmnxSubMgmtSubProfStatsTimestamp indicates the timestamp when the peak number of instances for this sub-profile was reached.

Table 296 svq statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustEgrQosPortIdArbiterStats MIB entry name: custEgrQosPortIdArbitStatsEntry Entry description: Each row entry represents the egress statistics for a customer multi-service-site egress arbiter. Table description (for custEgrQosPortIdArbitStatsTable): The custEgrQosPortIdArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site. Does not support realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custEgrQosPortIdArbitName)	String	The value of custEgrQosPortIdArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custEgrQosPortIdArbitFwdOcts [Cust Egr Qos Port Id Arbit Fwd Octs] (custEgrQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custEgrQosPortIdArbitFwdPkts [Cust Egr Qos Port Id Arbit Fwd Pkts] (custEgrQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustIngQosPortIdArbiterStats MIB entry name: custIngQosPortIdArbitStatsEntry Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter. Table description (for custIngQosPortIdArbitStatsTable): The custIngQosPortIdArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site. Does not support realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		

Table 296 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (custIngQosPortIdArbitName)	String	The value of custIngQosPortIdArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custIngQosPortIdArbitFwdOcts [Cust Ing Qos Port Id Arbit Fwd Octets] (custIngQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.
custIngQosPortIdArbitFwdPkts [Cust Ing Qos Port Id Arbit Fwd Pkts] (custIngQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.
<p>CustMultiSvcSiteEgrAggrScdrPlcyStats MIB entry name: custMultiSvcSiteEgrStatsEntry Entry description: Egress statistics about a specific customer multi service site egress scheduler. Table description (for custMultiSvcSiteEgrStatsTable): A table that contains egress QoS scheduler statistics for the customer multi service site. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custEgrQosSchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custEgrQosSchedStatsForwardedPackets indicates number of forwarded packets, as determined by the customer multi service site egress scheduler policy.
schedulerName [Scheduler Name] (custEgrQosSchedName)	String	The index of the egress QoS scheduler of this customer multi service site.

Table 296 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteEgrQosArbiterStats</p> <p>MIB entry name: custMssEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific customer multi service site egress arbiter.</p> <p>Table description (for custMssEgrQosArbitStatsTable): The custMssEgrQosArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site, organized by arbiter.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssEgrQosArbitName)	String	The value of custMssEgrQosArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custMssEgrQosArbitStatsFwdOcts [Cust Mss Egr Qos Arbit Stats Fwd Octs] (custMssEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custMssEgrQosArbitStatsFwdPkts [Cust Mss Egr Qos Arbit Stats Fwd Pkts] (custMssEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustMultiSvcSiteIngAggrScdrPlcyStats</p> <p>MIB entry name: custMultiSvcSiteIngStatsEntry</p> <p>Entry description: Ingress statistics about a specific customer multi service site ingress scheduler.</p> <p>Table description (for custMultiSvcSiteIngStatsTable): A table that contains ingress QoS scheduler statistics for the customer multi service site.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 296 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (custIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedPackets indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.
schedulerName [Scheduler Name] (custIngQoS SchedName)	String	The index of the ingress QoS scheduler of this customer multi service site.
<p>CustMultiSvcSiteIngQoSArbiterStats MIB entry name: custMssIngQoSArbitStatsEntry Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter. Table description (for custMssIngQoSArbitStatsTable): The custMssIngQoSArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site, organized by arbiter. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssIngQoSArbitName)	String	The value of custMssIngQoSArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custMssIngQoSArbitStatsFwdOcts [Cust Mss Ing Qos Arbit Stats Fwd Octs] (custMssIngQoSArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssIngQoSArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.

Table 296 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custMssIngQosArbitStatsFwdPkts [Cust Mss Ing Qos Arbit Stats Fwd Pkts] (custMssIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.

Table 297 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctDnyFmSb.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
GRETunnelStats MIB entry name: tmnxIpTunnelStatsEntry Entry description: The tmnxIpTunnelStatsEntry contains statistics information for a single IP Tunnel. Table description (for tmnxIpTunnelStatsTable): The tmnxIpTunnelStatsTable contains statistics entries per IP tunnel. Supports realtime plotting Supports scheduled collection Monitored class: svt.GRETunnel		
bytesRx [Bytes Rx] (tmnxIpTunnelBytesRx)	java. math. BigInteger	The value of tmnxIpTunnelBytesRx indicates the number of bytes this IP Tunnel has received.
bytesRxHi [Bytes Rx Hi] (tmnxIpTunnelBytesRxHi)	long	The value of tmnxIpTunnelBytesRxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesRxLo [Bytes Rx Lo] (tmnxIpTunnelBytesRxLo)	long	The value of tmnxIpTunnelBytesRxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesTx [Bytes Tx] (tmnxIpTunnelBytesTx)	java. math. BigInteger	The value of tmnxIpTunnelBytesTx indicates the number of bytes this IP Tunnel has sent.
bytesTxHi [Bytes Tx Hi] (tmnxIpTunnelBytesTxHi)	long	The value of tmnxIpTunnelBytesTxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesTx object.
bytesTxLo [Bytes Tx Lo] (tmnxIpTunnelBytesTxLo)	long	The value of tmnxIpTunnelBytesTxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesTx object.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidChksumRx [Invalid Chksum Rx] (tmnxIpTunnelInvalidChksumRx)	java. math. BigInteger	The value of tmnxIpTunnelInvalidChksumRx indicates the number of packets this IP Tunnel received with invalid checksum and were dropped.
invalidChksumRxHi [Invalid Chksum Rx Hi] (tmnxIpTunnelInvalidChksumRxHi)	long	The value of tmnxIpTunnelInvalidChksumRxHi indicates higher 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
invalidChksumRxLo [Invalid Chksum Rx Lo] (tmnxIpTunnelInvalidChksumRxLo)	long	The value of tmnxIpTunnelInvalidChksumRxLo indicates lower 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
keyIgnoredRx [Key Ignored Rx] (tmnxIpTunnelKeyIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelKeyIgnoredRx indicates the number of packets this IP Tunnel received and processed ignoring key field.
keyIgnoredRxHi [Key Ignored Rx Hi] (tmnxIpTunnelKeyIgnoredRxHi)	long	The value of tmnxIpTunnelKeyIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
keyIgnoredRxLo [Key Ignored Rx Lo] (tmnxIpTunnelKeyIgnoredRxLo)	long	The value of tmnxIpTunnelKeyIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
loopsRx [Loops Rx] (tmnxIpTunnelLoopsRx)	java. math. BigInteger	The value of tmnxIpTunnelLoopsRx indicates the number of packets this IP Tunnel received with payload with destination address which could result in a loop and were dropped.
loopsRxHi [Loops Rx Hi] (tmnxIpTunnelLoopsRxHi)	long	The value of tmnxIpTunnelLoopsRxHi indicates higher 32 bits of the value of tmnxIpTunnelLoopsRx object.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
loopsRxLo [Loops Rx Lo] (tmnxIpTunnelLoopsRxLo)	long	The value of tmnxIpTunnelLoopsRxLo indicates lower 32 bits of the value of tmnxIpTunnelLoopsRx object.
pktsRx [Pkts Rx] (tmnxIpTunnelPktsRx)	java. math. BigInteger	The value of tmnxIpTunnelPktsRx indicates the number of packets this IP Tunnel has received.
pktsRxHi [Pkts Rx Hi] (tmnxIpTunnelPktsRxHi)	long	The value of tmnxIpTunnelPktsRxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsRxLo [Pkts Rx Lo] (tmnxIpTunnelPktsRxLo)	long	The value of tmnxIpTunnelPktsRxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsTx [Pkts Tx] (tmnxIpTunnelPktsTx)	java. math. BigInteger	The value of tmnxIpTunnelPktsTx indicates the number of packets this IP Tunnel has sent.
pktsTxHi [Pkts Tx Hi] (tmnxIpTunnelPktsTxHi)	long	The value of tmnxIpTunnelPktsTxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsTx object.
pktsTxLo [Pkts Tx Lo] (tmnxIpTunnelPktsTxLo)	long	The value of tmnxIpTunnelPktsTxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsTx object.
rxErrors [Rx Errors] (tmnxIpTunnelRxErrors)	long	The value of tmnxIpTunnelRxErrors indicates the number of packet receive errors.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqIgnoredRx [Seq Ignored Rx] (tmnxIpTunnelSeqIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelSeqIgnoredRx indicates the number of packets this IP Tunnel and processed ignoring sequence field.
seqIgnoredRxHi [Seq Ignored Rx Hi] (tmnxIpTunnelSeqIgnoredRxHi)	long	The value of tmnxIpTunnelSeqIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
seqIgnoredRxLo [Seq Ignored Rx Lo] (tmnxIpTunnelSeqIgnoredRxLo)	long	The value of tmnxIpTunnelSeqIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
tooBigTx [Too Big Tx] (tmnxIpTunnelTooBigTx)	java. math. BigInteger	The value of tmnxIpTunnelTooBigTx indicates the number of packets this IP Tunnel received which were too big to transmit.
tooBigTxHi [Too Big Tx Hi] (tmnxIpTunnelTooBigTxHi)	long	The value of tmnxIpTunnelTooBigTxHi indicates higher 32 bits of the value of tmnxIpTunnelTooBigTx object.
tooBigTxLo [Too Big Tx Lo] (tmnxIpTunnelTooBigTxLo)	long	The value of tmnxIpTunnelTooBigTxLo indicates lower 32 bits of the value of tmnxIpTunnelTooBigTx object.
txErrors [Tx Errors] (tmnxIpTunnelTxErrors)	long	The value of tmnxIpTunnelTxErrors indicates the number of packet transmit errors.
versUnsupRx [Vers Unsup Rx] (tmnxIpTunnelVersUnsupRx)	java. math. BigInteger	The value of tmnxIpTunnelVersUnsupRx indicates the number of packets this IP Tunnel received with unsupported IP version and were dropped.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
versUnsupRxHi [Vers Unsup Rx Hi] (tmnxIpTunnelVersUnsupRxHi)	long	The value of tmnxIpTunnelVersUnsupRxHi indicates higher 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
versUnsupRxLo [Vers Unsup Rx Lo] (tmnxIpTunnelVersUnsupRxLo)	long	The value of tmnxIpTunnelVersUnsupRxLo indicates lower 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmPnpgErrorStats</p> <p>MIB entry name: sdpBindIgmPnpgStatsEntry</p> <p>Entry description: sdpBindIgmPnpgStatsEntry is an entry in the sdpBindIgmPnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindIgmPnpgStatsTable): sdpBindIgmPnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPnpgImportPolicyDrops [Sdp Bnd Igm Pnpg Import Policy Drops] (sdpBndIgmPnpgImportPolicyDrops)	long	The value of the object sdpBndIgmPnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumGroupsDrops [Sdp Bnd IgmP Snpg Max Num Groups Drops] (sdpBndIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmPsnpgMaxNumGrpSourcesDrops [Sdp Bnd IgmP Snpg Max Num Grp Sources Drops] (sdpBndIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SDP Bind.
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd IgmP Snpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd Igm P Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd Igm P Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd Igm P Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd Igm P Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd Igm P Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd Igm P Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd Igm P Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd Igm P Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd Igm P Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		

Table 297 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloResponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 298 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1FarEndCurrentStats MIB entry name: dsx1FarEndCurrentEntry Entry description: An entry in the DS1 Far End Current table. Table description (for dsx1FarEndCurrentTable): The DS1 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end messages on the Facilities Data Link. The definitions are the same as described for the near-end information. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndCurrentBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndCurrentCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndCurrentDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndCurrentESs)	long	The number of Far End Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx1FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx1FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndCurrentLEsSs)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndCurrentPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndCurrentSEFSs)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndCurrentSEsSs)	long	The number of Far End Severely Errored Seconds.
timeElapsed [Time Elapsed] (dsx1FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1FarEndCurrentUASs)	long	The number of Unavailable Seconds.
validIntervals [Valid Intervals] (dsx1FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS1FarEndIntervalStats</p> <p>MIB entry name: dsx1FarEndIntervalEntry</p> <p>Entry description: An entry in the DS1 Far End Interval table.</p> <p>Table description (for dsx1FarEndIntervalTable): The DS1 Far End Interval Table contains various statistics collected by each DS1 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1FarEndIntervalNumber) for one specific instance (identified by dsx1FarEndIntervalIndex).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndIntervalBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndIntervalCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndIntervalDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndIntervalESs)	long	The number of Far End Errored Seconds.
intervalNumber [Interval Number] (dsx1FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndIntervalLEsS)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndIntervalPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndIntervalSEFSs)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndIntervalSEsS)	long	The number of Far End Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndIntervalUASs)	long	The number of Unavailable Seconds.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1FarEndTotalStats</p> <p>MIB entry name: dsx1FarEndTotalEntry</p> <p>Entry description: An entry in the DS1 Far End Total table.</p> <p>Table description (for dsx1FarEndTotalTable): The DS1 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndTotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndTotalCSSs)	long	The number of Far End Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1FarEndTotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1FarEndTotalESs)	long	The number of Far End Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndTotalLESs)	long	The number of Far End Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pathCodingViolations [Path Coding Violations] (dsx1FarEndTotalPCVs)	long	The number of Far End Path Coding Violations reported via the far end block error count encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndTotalSEFSs)	long	The number of Far End Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndTotalSESSs)	long	The number of Far End Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndTotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESSs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1TotalStats</p> <p>MIB entry name: dsx1TotalEntry</p> <p>Entry description: An entry in the DS1 Total table.</p> <p>Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESSs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3CurrentStats MIB entry name: dsx3CurrentEntry Entry description: An entry in the DS3/E3 Current table. Table description (for dsx3CurrentTable): The DS3/E3 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3CurrentCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3CurrentCESSs)	long	The number of C-bit Errored Seconds.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3CurrentCSEs)	long	The number of C-bit Severely Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx3CurrentLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx3CurrentPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3CurrentPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3CurrentPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3CurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3CurrentUASs)	long	The counter associated with the number of Unavailable Seconds.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3FarEndCurrentStats</p> <p>MIB entry name: dsx3FarEndCurrentEntry</p> <p>Entry description: An entry in the DS3 Far End Current table.</p> <p>Table description (for dsx3FarEndCurrentTable): The DS3 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end block error code within the C-bits.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndCurrentCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndCurrentCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndCurrentCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx3FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx3FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
timeElapsed [Time Elapsed] (dsx3FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndCurrentUASs)	long	The counter associated with the number of Far End unavailable seconds.
validIntervals [Valid Intervals] (dsx3FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS3FarEndIntervalStats</p> <p>MIB entry name: dsx3FarEndIntervalEntry</p> <p>Entry description: An entry in the DS3 Far End Interval table.</p> <p>Table description (for dsx3FarEndIntervalTable): The DS3 Far End Interval Table contains various statistics collected by each DS3 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndIntervalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndIntervalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in one of the previous 96, individual 15 minute, intervals. In the case where the agent is a proxy and data is not available, return noSuchInstance.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndIntervalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
unavailableSeconds [Unavailable Seconds] (dsx3FarEndIntervalUASs)	long	The counter associated with the number of Far End unavailable seconds.
DS3FarEndTotalStats MIB entry name: dsx3FarEndTotalEntry Entry description: An entry in the DS3 Far End Total table. Table description (for dsx3FarEndTotalTable): The DS3 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndTotalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndTotalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndTotalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndTotalUASs)	long	The counter associated with the number of Far End unavailable seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3IntervalStats MIB entry name: dsx3IntervalEntry Entry description: An entry in the DS3/E3 Interval table. Table description (for dsx3IntervalTable): The DS3/E3 Interval Table contains various statistics collected by each DS3/E3 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx3IntervalNumber) and for one specific interface (identified by dsx3IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3IntervalCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3IntervalCESSs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3IntervalCSESSs)	long	The number of C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineCodingViolations [Line Coding Violations] (dsx3IntervalLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3IntervalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences).
pBitCodingViolations [PBit Coding Violations] (dsx3IntervalPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3IntervalPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3IntervalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3IntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3IntervalUASs)	long	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3TotalStats MIB entry name: dsx3TotalEntry Entry description: An entry in the DS3/E3 Total table. Table description (for dsx3TotalTable): The DS3/E3 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3TotalCCVs)	long	The number of C-bit Coding Violations encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3TotalCESs)	long	The number of C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3TotalCSESs)	long	The number of C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx3TotalLCVs)	long	The counter associated with the number of Line Coding Violations encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx3TotalLESs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences) encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx3TotalPCVs)	long	The counter associated with the number of P-bit Coding Violations, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 298 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitErroredSeconds [PBit Errored Seconds] (dsx3TotalPESs)	long	The counter associated with the number of P-bit Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3TotalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3TotalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds, encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx3TotalUASs)	long	The counter associated with the number of Unavailable Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 299 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CaptureL2AccessInterfaceStats MIB entry name: msapCaptureSapStatsEntry Entry description: Statistics for a specific 'capture' SAP. Table description (for msapCaptureSapStatsTable): A table that contains statistics for SAPs with a sapSubType value of 'capture'. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface</p>		
captureSapTriggerType [Capture Sap Trigger Type] (msapCaptureSapStatsTriggerType)	int	The value of msapCaptureSapStatsTriggerType indicates the type of trigger packets this entry is for.
droppedPackets [Dropped Packets] (msapCaptureSapStatsPktsDropped)	long	The value of msapCaptureSapStatsPktsDropped indicates the number of packets dropped on this 'capture' SAP.
receivedPackets [Received Packets] (msapCaptureSapStatsPktsRecvd)	long	The value of msapCaptureSapStatsPktsRecvd indicates the number of packets received on this 'capture' SAP.
redirectPackets [Redirect Packets] (msapCaptureSapStatsPktsRedirect)	long	The value of msapCaptureSapStatsPktsRedirect indicates the number of packets redirected on this 'capture' SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CircuitDhcpRelayCfgStats</p> <p>MIB entry name: sdpBindDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS spoke SDP or mesh SDP.</p> <p>Table description (for sdpBindDhcpStatsTable): sdpBindDhcpStatsTable contains DHCP statistics related to a TLS SDP Bind. A row will exist in this table for each spoke or mesh SDP in a Tls Service. Rows are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svt.SdpBinding</p>		
sdpBindDhcpStatsClntDropdPckts [Sdp Bind Dhcp Stats Clnt Dropd Pckts] (sdpBindDhcpStatsClntDropdPckts)	long	The value of the object sdpBindDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SDP bind.
sdpBindDhcpStatsClntForwdPckts [Sdp Bind Dhcp Stats Clnt Forwd Pckts] (sdpBindDhcpStatsClntForwdPckts)	long	The value of the object sdpBindDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsClntProxLSPckts [Sdp Bind Dhcp Stats Clnt Prox LSPckts] (sdpBindDhcpStatsClntProxLSPckts)	long	The value of the object sdpBindDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sdpBindDhcpStatsClntProxNqPckts [Sdp Bind Dhcp Stats Clnt Prox Nq Pckts] (sdpBindDhcpStatsClntProxNqPckts)	long	The value of the object sdpBindDhcpStatsClntProxNqPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a Diameter NASREQ server.
sdpBindDhcpStatsClntProxRadPckts [Sdp Bind Dhcp Stats Clnt Prox Rad Pckts] (sdpBindDhcpStatsClntProxRadPckts)	long	The value of the object sdpBindDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a RADIUS server.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBindDhcpStatsClntSnoopdPckts [Sdp Bind Dhcp Stats Clnt Snoopd Pckts] (sdpBindDhcpStatsClntSnoopdPckts)	long	The value of the object sdpBindDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SDP bind.
sdpBindDhcpStatsGenForceRenPckts [Sdp Bind Dhcp Stats Gen Force Ren Pckts] (sdpBindDhcpStatsGenForceRenPckts)	long	The value of the object sdpBindDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SDP bind to the DHCP clients.
sdpBindDhcpStatsGenReleasePckts [Sdp Bind Dhcp Stats Gen Release Pckts] (sdpBindDhcpStatsGenReleasePckts)	long	The value of the object sdpBindDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SDP bind to the DHCP server.
sdpBindDhcpStatsSvrDropdPckts [Sdp Bind Dhcp Stats Svr Dropd Pckts] (sdpBindDhcpStatsSvrDropdPckts)	long	The value of the object sdpBindDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SDP bind.
sdpBindDhcpStatsSvrForwdPckts [Sdp Bind Dhcp Stats Svr Forwd Pckts] (sdpBindDhcpStatsSvrForwdPckts)	long	The value of the object sdpBindDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsSvrSnoopdPckts [Sdp Bind Dhcp Stats Svr Snoopd Pckts] (sdpBindDhcpStatsSvrSnoopdPckts)	long	The value of the object sdpBindDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SDP bind.
<p>DynSvcCaptureSapDropStats</p> <p>MIB entry name: tmnxDynSvcCaptureSapDropEntry</p> <p>Entry description: Each conceptual row represents information about a specific drop reason. Rows are created and destroyed automatically by the system.</p> <p>Table description (for tmnxDynSvcCaptureSapDropTable): The tmnxDynSvcCaptureSapDropTable contains data-trigger related drop statistics about the capture SAPs of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.L2AccessInterface</p>		

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropNoDynamicSap [Drop No Dynamic Sap] (tmnxDynSvcCSapDropCounter)	long	The value of tmnxDynSvcCSapDropCounter indicates the amount of data-triggers dropped corresponding to this row.
statsId [Stats Id] (tmnxDynSvcCSapDropIndex)	long	The value of tmnxDynSvcCSapDropIndex specifies the index of this row.
<p>DynSvcCaptureSapStats MIB entry name: tmnxDynSvcCaptureSapStatsEntry Entry description: Each conceptual row represents statistics about a particular capture SAP. Rows are created and destroyed automatically by the system. Table description (for tmnxDynSvcCaptureSapStatsTable): The tmnxDynSvcCaptureSapStatsTable contains statistics about the capture SAPs of this system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface</p>		
receivedPackets [Received Packets] (tmnxDynSvcCSapStatsRxPackets)	long	The value of tmnxDynSvcCSapStatsRxPackets indicates the total number of data packets received by this capture SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EvpnMplsIgmPsnpgErrorStats</p> <p>MIB entry name: eMplsIgmPsnpgStatsEntry</p> <p>Entry description: eMplsIgmPsnpgStatsEntry is an entry in the eMplsIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for an evpn-mpls in a TIs.</p> <p>Table description (for eMplsIgmPsnpgStatsTable): eMplsIgmPsnpgStatsTable contains statistics on IGMP snooping per evpn-mpls.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.BSite • vpls.ISite • vpls.Site 		
eMplsIgmPsnpgImportPolicyDrops [EMpls IgmPsnpg Import Policy Drops] (eMplsIgmPsnpgImportPolicyDrops)	long	The value of the object eMplsIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this evpn-mpls.
eMplsIgmPsnpgMaxNumGroupsDrops [EMpls IgmPsnpg Max Num Groups Drops] (eMplsIgmPsnpgMaxNumGroupsDrops)	long	The value of the object eMplsIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this evpn-mpls.
eMplsIgmPsnpgMaxNumGrpSrcsDrops [EMpls IgmPsnpg Max Num Grp Srcs Drops] (eMplsIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object eMplsIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this evpn-mpls.
eMplsIgmPsnpgMaxNumSourcesDrops [EMpls IgmPsnpg Max Num Sources Drops] (eMplsIgmPsnpgMaxNumSourcesDrops)	long	The value of the object eMplsIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this evpn-mpls.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgMcacPolicyDrops [EMpls IgmP Snpg Mcac Policy Drops] (eMplsIgmPsnpgMcacPolicyDrops)	long	The value of the object eMplsIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this evpn-mpls.
eMplsIgmPsnpgMcsFailures [EMpls IgmP Snpg Mcs Failures] (eMplsIgmPsnpgMcsFailures)	long	The value of the object eMplsIgmPsnpgMcsFailures indicates the number of times an IGMP Group on this evpn-mpls could not be synced to the MCS (multi-chassis synchronization) database.
eMplsIgmPsnpgRxBadEncodedPkts [EMpls IgmP Snpg Rx Bad Encoded Pkts] (eMplsIgmPsnpgRxBadEncodedPkts)	long	The value of the object eMplsIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this evpn-mpls because of a bad encoding.
eMplsIgmPsnpgRxBadIgmPChkSmPkts [EMpls IgmP Snpg Rx Bad IgmP ChkSm Pkts] (eMplsIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object eMplsIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this evpn-mpls because of a bad IGMP header checksum.
eMplsIgmPsnpgRxBadIpChkSmPkts [EMpls IgmP Snpg Rx Bad Ip ChkSm Pkts] (eMplsIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object eMplsIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this evpn-mpls because of a bad IPv4 header checksum.
eMplsIgmPsnpgRxBadLenPkts [EMpls IgmP Snpg Rx Bad Len Pkts] (eMplsIgmPsnpgRxBadLenPkts)	long	The value of the object eMplsIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this evpn-mpls because of a bad length.
eMplsIgmPsnpgRxLocalScopePkts [EMpls IgmP Snpg Rx Local Scope Pkts] (eMplsIgmPsnpgRxLocalScopePkts)	long	The value of the object eMplsIgmPsnpgRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv6 multicast address.
eMplsIgmPsnpgRxNoRtrAlertPkts [EMpls IgmP Snpg Rx No Rtr Alert Pkts] (eMplsIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object eMplsIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this evpn-mpls because the Router Alert Option in the IP packet is not set.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgRxRsvdScopePkts [EMpls IgmP Snpg Rx Rsvd Scope Pkts] (eMplsIgmPsnpgRxRsvdScopePkts)	long	The value of the object eMplsIgmPsnpgRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv6 multicast address.
eMplsIgmPsnpgRxWrongVersionPkts [EMpls IgmP Snpg Rx Wrong Version Pkts] (eMplsIgmPsnpgRxWrongVersionPkts)	long	The value of the object eMplsIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this evpn-mpls.
eMplsIgmPsnpgRxZeroSrcAdrPkts [EMpls IgmP Snpg Rx Zero Src Adr Pkts] (eMplsIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object eMplsIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this evpn-mpls because they contain a zero source IPv4 address.
eMplsIgmPsnpgSendQueryCfgDrops [EMpls IgmP Snpg Send Query Cfg Drops] (eMplsIgmPsnpgSendQueryCfgDrops)	long	The value of the object eMplsIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmPsnpgCfgSendQueries for this evpn-mpls is set to 'enabled(1)'.
<p>EvpnMplsIgmPsnpgStats</p> <p>MIB entry name: eMplsIgmPsnpgStatsEntry</p> <p>Entry description: eMplsIgmPsnpgStatsEntry is an entry in the eMplsIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for an evpn-mpls in a TIs.</p> <p>Table description (for eMplsIgmPsnpgStatsTable): eMplsIgmPsnpgStatsTable contains statistics on IGMP snooping per evpn-mpls.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.BSite • vpls.ISite • vpls.Site 		
eMplsIgmPsnpgFwdGenQueries [EMpls IgmP Snpg Fwd Gen Queries] (eMplsIgmPsnpgFwdGenQueries)	long	The value of the object eMplsIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this evpn-mpls.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgFwdGrpSpecQueries [EMpls IgmP SnpG Fwd Grp Spec Queries] (eMplsIgmPsnpgFwdGrpSpecQueries)	long	The value of the object eMplsIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdSrcSpecQueries [EMpls IgmP SnpG Fwd Src Spec Queries] (eMplsIgmPsnpgFwdSrcSpecQueries)	long	The value of the object eMplsIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdUnknownType [EMpls IgmP SnpG Fwd Unknown Type] (eMplsIgmPsnpgFwdUnknownType)	long	The value of the object eMplsIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV1Reports [EMpls IgmP SnpG Fwd V1 Reports] (eMplsIgmPsnpgFwdV1Reports)	long	The value of the object eMplsIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV2Leaves [EMpls IgmP SnpG Fwd V2 Leaves] (eMplsIgmPsnpgFwdV2Leaves)	long	The value of the object eMplsIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV2Reports [EMpls IgmP SnpG Fwd V2 Reports] (eMplsIgmPsnpgFwdV2Reports)	long	The value of the object eMplsIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV3Reports [EMpls IgmP SnpG Fwd V3 Reports] (eMplsIgmPsnpgFwdV3Reports)	long	The value of the object eMplsIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this evpn-mpls.
eMplsIgmPsnpgRxGenQueries [EMpls IgmP SnpG Rx Gen Queries] (eMplsIgmPsnpgRxGenQueries)	long	The value of the object eMplsIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this evpn-mpls.
eMplsIgmPsnpgRxGrpSpecQueries [EMpls IgmP SnpG Rx Grp Spec Queries] (eMplsIgmPsnpgRxGrpSpecQueries)	long	The value of the object eMplsIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this evpn-mpls.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmpSnpG Rx Src Spec Queries [EMpls Igmp SnpG Rx Src Spec Queries] (eMplsIgmpSnpG Rx Src Spec Queries)	long	The value of the object eMplsIgmpSnpG Rx Src Spec Queries indicates the number of IGMP Group-And-Source-Specific Queries received on this evpn-mpls.
eMplsIgmpSnpG Rx Unknown Type [EMpls Igmp SnpG Rx Unknown Type] (eMplsIgmpSnpG Rx Unknown Type)	long	The value of the object eMplsIgmpSnpG Rx Unknown Type indicates the number of IGMP unknown type packets received on this evpn-mpls.
eMplsIgmpSnpG Rx V1 Reports [EMpls Igmp SnpG Rx V1 Reports] (eMplsIgmpSnpG Rx V1 Reports)	long	The value of the object eMplsIgmpSnpG Rx V1 Reports indicates the number of IGMPv1 Reports received on this evpn-mpls.
eMplsIgmpSnpG Rx V2 Leaves [EMpls Igmp SnpG Rx V2 Leaves] (eMplsIgmpSnpG Rx V2 Leaves)	long	The value of the object eMplsIgmpSnpG Rx V2 Leaves indicates the number of IGMPv2 Leaves received on this evpn-mpls.
eMplsIgmpSnpG Rx V2 Reports [EMpls Igmp SnpG Rx V2 Reports] (eMplsIgmpSnpG Rx V2 Reports)	long	The value of the object eMplsIgmpSnpG Rx V2 Reports indicates the number of IGMPv2 Reports received on this evpn-mpls.
eMplsIgmpSnpG Rx V3 Reports [EMpls Igmp SnpG Rx V3 Reports] (eMplsIgmpSnpG Rx V3 Reports)	long	The value of the object eMplsIgmpSnpG Rx V3 Reports indicates the number of IGMPv3 Reports received on this evpn-mpls.
eMplsIgmpSnpG Tx Gen Queries [EMpls Igmp SnpG Tx Gen Queries] (eMplsIgmpSnpG Tx Gen Queries)	long	The value of the object eMplsIgmpSnpG Tx Gen Queries indicates the number of IGMP General Queries transmitted on this evpn-mpls.
eMplsIgmpSnpG Tx Grp Spec Queries [EMpls Igmp SnpG Tx Grp Spec Queries] (eMplsIgmpSnpG Tx Grp Spec Queries)	long	The value of the object eMplsIgmpSnpG Tx Grp Spec Queries indicates the number of IGMP Group-Specific Queries transmitted on this evpn-mpls.
eMplsIgmpSnpG Tx Src Spec Queries [EMpls Igmp SnpG Tx Src Spec Queries] (eMplsIgmpSnpG Tx Src Spec Queries)	long	The value of the object eMplsIgmpSnpG Tx Src Spec Queries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this evpn-mpls.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgTxV1Reports [EMpls Igmp Snpg Tx V1 Reports] (eMplsIgmPsnpgTxV1Reports)	long	The value of the object eMplsIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV2Leaves [EMpls Igmp Snpg Tx V2 Leaves] (eMplsIgmPsnpgTxV2Leaves)	long	The value of the object eMplsIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV2Reports [EMpls Igmp Snpg Tx V2 Reports] (eMplsIgmPsnpgTxV2Reports)	long	The value of the object eMplsIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV3Reports [EMpls Igmp Snpg Tx V3 Reports] (eMplsIgmPsnpgTxV3Reports)	long	The value of the object eMplsIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this evpn-mpls.
InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfSGTypes [Tmnx Pim Snpg If SGTypes] (tmnxPimSnpgIfSGTypes)	long	The value of tmnxPimSnpgIfSGTypes indicates the number of (S,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfStarGTypes [Tmnx Pim Snpg If Star GTypes] (tmnxPimSnpgIfStarGTypes)	long	The value of tmnxPimSnpgIfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfTxJoinPrunes [Tmnx Pim Snpg If Tx Join Prunes] (tmnxPimSnpgIfTxJoinPrunes)	long	The value of tmnxPimSnpgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpgIfTxPkts [Tmnx Pim Snpg If Tx Pkts] (tmnxPimSnpgIfTxPkts)	long	The value of tmnxPimSnpgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
L2AccessInterfaceIcmpSnpgErrorStats MIB entry name: saplgmpSnpgStatsEntry Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGMaxNumGroupsDrops [Sap Igmp SnpG Max Num Groups Drops] (saplgmpSnpGMaxNumGroupsDrops)	long	The value of the object saplgmpSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpGMaxNumGrpSourcesDrops [Sap Igmp SnpG Max Num Grp Sources Drops] (saplgmpSnpGMaxNumGrpSrcsDrops)	long	The value of the object saplgmpSnpGMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SAP.
saplgmpSnpGMaxNumSourcesDrops [Sap Igmp SnpG Max Num Sources Drops] (saplgmpSnpGMaxNumSourcesDrops)	long	The value of the object saplgmpSnpGMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
saplgmpSnpGMcacPolicyDrops [Sap Igmp SnpG Mcac Policy Drops] (saplgmpSnpGMcacPolicyDrops)	long	The value of the object saplgmpSnpGMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.
saplgmpSnpGMcsFailures [Sap Igmp SnpG Mcs Failures] (saplgmpSnpGMcsFailures)	long	The value of the object saplgmpSnpGMcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
saplgmpSnpGRxBadEncodedPkts [Sap Igmp SnpG Rx Bad Encoded Pkts] (saplgmpSnpGRxBadEncodedPkts)	long	The value of the object saplgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpGRxBadIgmpChksumPkts [Sap Igmp SnpG Rx Bad Igmp Chksum Pkts] (saplgmpSnpGRxBadIgmpChksumPkts)	long	The value of the object saplgmpSnpGRxBadIgmpChksumPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpGRxBadIpChksumPkts [Sap Igmp SnpG Rx Bad Ip Chksum Pkts] (saplgmpSnpGRxBadIpChksumPkts)	long	The value of the object saplgmpSnpGRxBadIpChksumPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgRxBadLenPkts [Sap Igmp Snpg Rx Bad Len Pkts] (sapIgmPsnPgRxBadLenPkts)	long	The value of the object sapIgmPsnPgRxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
sapIgmPsnPgRxNoRtrAlertPkts [Sap Igmp Snpg Rx No Rtr Alert Pkts] (sapIgmPsnPgRxNoRtrAlertPkts)	long	The value of the object sapIgmPsnPgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapIgmPsnPgRxWrongVersionPkts [Sap Igmp Snpg Rx Wrong Version Pkts] (sapIgmPsnPgRxWrongVersionPkts)	long	The value of the object sapIgmPsnPgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
sapIgmPsnPgRxZeroSrcAdrPkts [Sap Igmp Snpg Rx Zero Src Adr Pkts] (sapIgmPsnPgRxZeroSrcAdrPkts)	long	The value of the object sapIgmPsnPgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
sapIgmPsnPgSendQueryCfgDrops [Sap Igmp Snpg Send Query Cfg Drops] (sapIgmPsnPgSendQueryCfgDrops)	long	The value of the object sapIgmPsnPgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmPsnPgCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmPsnPgStats</p> <p>MIB entry name: sapIgmPsnPgStatsEntry</p> <p>Entry description: sapIgmPsnPgStatsEntry is an entry in the sapIgmPsnPgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnPgStatsTable): sapIgmPsnPgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdSrcSpecQueries [Sap Igmp SnpG Fwd Src Spec Queries] (saplgmpSnpGfwdSrcSpecQueries)	long	The value of the object saplgmpSnpGfwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (sapIgmPsnPgRxGrpSpecQueries)	long	The value of the object sapIgmPsnPgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
sapIgmPsnPgRxSrcSpecQueries [Sap Igmp SnpG Rx Src Spec Queries] (sapIgmPsnPgRxSrcSpecQueries)	long	The value of the object sapIgmPsnPgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
sapIgmPsnPgRxUnknownType [Sap Igmp SnpG Rx Unknown Type] (sapIgmPsnPgRxUnknownType)	long	The value of the object sapIgmPsnPgRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
sapIgmPsnPgRxV1Reports [Sap Igmp SnpG Rx V1 Reports] (sapIgmPsnPgRxV1Reports)	long	The value of the object sapIgmPsnPgRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
sapIgmPsnPgRxV2Leaves [Sap Igmp SnpG Rx V2 Leaves] (sapIgmPsnPgRxV2Leaves)	long	The value of the object sapIgmPsnPgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
sapIgmPsnPgRxV2Reports [Sap Igmp SnpG Rx V2 Reports] (sapIgmPsnPgRxV2Reports)	long	The value of the object sapIgmPsnPgRxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
sapIgmPsnPgRxV3Reports [Sap Igmp SnpG Rx V3 Reports] (sapIgmPsnPgRxV3Reports)	long	The value of the object sapIgmPsnPgRxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
sapIgmPsnPgTxGenQueries [Sap Igmp SnpG Tx Gen Queries] (sapIgmPsnPgTxGenQueries)	long	The value of the object sapIgmPsnPgTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
sapIgmPsnPgTxGrpSpecQueries [Sap Igmp SnpG Tx Grp Spec Queries] (sapIgmPsnPgTxGrpSpecQueries)	long	The value of the object sapIgmPsnPgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxSrcSpecQueries [Sap Igmp SnpG Tx Src Spec Queries] (sapIgmPsnpgTxSrcSpecQueries)	long	The value of the object sapIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.
sapIgmPsnpgTxV1Reports [Sap Igmp SnpG Tx V1 Reports] (sapIgmPsnpgTxV1Reports)	long	The value of the object sapIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
sapIgmPsnpgTxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (sapIgmPsnpgTxV2Leaves)	long	The value of the object sapIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
sapIgmPsnpgTxV2Reports [Sap Igmp SnpG Tx V2 Reports] (sapIgmPsnpgTxV2Reports)	long	The value of the object sapIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
sapIgmPsnpgTxV3Reports [Sap Igmp SnpG Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMldMvrStats MIB entry name: sapMldSnpGStatsEntry Entry description: sapMldSnpGStatsEntry is an entry in the sapMldSnpGStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs. Table description (for sapMldSnpGStatsTable): sapMldSnpGStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpGMvrFromVplsCfgDrops [Sap Mld SnpG Mvr From Vpls Cfg Drops] (sapMldSnpGMvrFromVplsCfgDrops)	long	The value of the object sapMldSnpGMvrFromVplsCfgDrops indicates the number of times an MLD group or Query is dropped because of applying the sapMldSnpGCfgMvrFromVplsId configuration on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgMvrToSapCfgDrops [Sap Mld Snpg Mvr To Sap Cfg Drops] (sapMldSnpgMvrToSapCfgDrops)	long	The value of the object sapMldSnpgMvrToSapCfgDrops indicates the number times an MLD Report or Query is dropped because of applying the sapMldSnpgCfgMvrToSapPortId and sapMldSnpgCfgMvrToSapEncapVal configuration on this SAP.
<p>L2AccessInterfaceMldSnpgErrorStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'. L2AccessInterfaceMldSnpgStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.
L2AccessInterfaceMvrStats MIB entry name: saplgmpSnpgStatsEntry Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
saplgmpSnpgMvrFromVplsCfgDrops [Sap Igmp Snpg Mvr From Vpls Cfg Drops] (saplgmpSnpgMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpgCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpgMvrToSapCfgDrops [Sap Igmp Snpg Mvr To Sap Cfg Drops] (saplgmpSnpgMvrToSapCfgDrops)	long	The value of the object saplgmpSnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpgCfgMvrToSapPortId and saplgmpSnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsCIntDropdPckts [Sap Tls Dhcp Stats CInt Dropd Pckts] (sapTlsDhcpStatsCIntDropdPckts)	long	The value of the object sapTlsDhcpStatsCIntDropdPckts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsCIntForwdPckts [Sap Tls Dhcp Stats CInt Forwd Pckts] (sapTlsDhcpStatsCIntForwdPckts)	long	The value of the object sapTlsDhcpStatsCIntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsCIntProxLSPckts [Sap Tls Dhcp Stats CInt Prox LSPckts] (sapTlsDhcpStatsCIntProxLSPckts)	long	The value of the object sapTlsDhcpStatsCIntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsCIntProxLUDBPckts [Sap Tls Dhcp Stats CInt Prox LUDBPckts] (sapTlsDhcpStatsCIntProxLUDBPckts)	long	The value of the object sapTlsDhcpStatsCIntProxLUDBPckts indicates the number of DHCP client packets that have been proxied on this SAP based on the local user database.
sapTlsDhcpStatsCIntProxNqPckts [Sap Tls Dhcp Stats CInt Prox Nq Pckts] (sapTlsDhcpStatsCIntProxNqPckts)	long	The value of the object sapTlsDhcpStatsCIntProxNqPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a Diameter NASREQ server.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgErrorStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'.
<p>SdpBindingMldSnpgStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
<p>SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping</p>		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.
numStarGTypes [Num Star GTypes] (tmnxPimSnpgGenStatsStarGTypes)	long	The value of tmnxPimSnpgGenStatsStarGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'starG'.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteSourceGroupRecordPimSnoopingStats</p> <p>MIB entry name: tmnxPimSnpGGrpSrcStatsEntry</p> <p>Entry description: An entry in the tmnxPimSnpGGrpSrcStatsTable.</p> <p>Table description (for tmnxPimSnpGGrpSrcStatsTable): tmnxPimSnpGGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpGGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpGGrpSrcStatsFwdedOct [Tmnx Pim SnpG Grp Src Stats Fwded Oct] (tmnxPimSnpGGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpGGrpSrcStatsFwdedPkts [Tmnx Pim SnpG Grp Src Stats Fwded Pkts] (tmnxPimSnpGGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.
<p>VxlanIcmpSnpGErrorStats</p> <p>MIB entry name: vxlanIcmpSnpGStatsEntry</p> <p>Entry description: vxlanIcmpSnpGStatsEntry is an entry in the vxlanIcmpSnpGStatsTable. Each entry contains IGMP snooping statics for a VXLAN in a TIs.</p> <p>Table description (for vxlanIcmpSnpGStatsTable): vxlanIcmpSnpGStatsTable contains statistics on IGMP snooping per VXLAN.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.Site</p>		
vxlanIcmpSnpGImportPolicyDrops [Vxlan Icmp SnpG Import Policy Drops] (vxlanIcmpSnpGImportPolicyDrops)	long	The value of the object vxlanIcmpSnpGImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this VXLAN.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpGMaxNumGroupsDrops [Vxlan Igmp SnpG Max Num Groups Drops] (vxlanIgmpSnpGMaxNumGroupsDrops)	long	The value of the object vxlanIgmpSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this VXLAN.
vxlanIgmpSnpGMaxNumGrpSrcsDrops [Vxlan Igmp SnpG Max Num Grp Srcs Drops] (vxlanIgmpSnpGMaxNumGrpSrcsDrops)	long	The value of the object vxlanIgmpSnpGMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this VXLAN.
vxlanIgmpSnpGMaxNumSourcesDrops [Vxlan Igmp SnpG Max Num Sources Drops] (vxlanIgmpSnpGMaxNumSourcesDrops)	long	The value of the object vxlanIgmpSnpGMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this VXLAN.
vxlanIgmpSnpGMcacPolicyDrops [Vxlan Igmp SnpG Mcac Policy Drops] (vxlanIgmpSnpGMcacPolicyDrops)	long	The value of the object vxlanIgmpSnpGMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this VXLAN.
vxlanIgmpSnpGMcsFailures [Vxlan Igmp SnpG Mcs Failures] (vxlanIgmpSnpGMcsFailures)	long	The value of the object vxlanIgmpSnpGMcsFailures indicates the number of times an IGMP Group on this VXLAN could not be synced to the MCS (multi-chassis synchronization) database.
vxlanIgmpSnpGRxBadEncodedPkts [Vxlan Igmp SnpG Rx Bad Encoded Pkts] (vxlanIgmpSnpGRxBadEncodedPkts)	long	The value of the object vxlanIgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this VXLAN because of a bad encoding.
vxlanIgmpSnpGRxBadIgmpChkSmPkts [Vxlan Igmp SnpG Rx Bad Igmp ChkSm Pkts] (vxlanIgmpSnpGRxBadIgmpChkSmPkts)	long	The value of the object vxlanIgmpSnpGRxBadIgmpChkSmPkts indicates the number of dropped IGMP packets on this VXLAN because of a bad IGMP header checksum.
vxlanIgmpSnpGRxBadIpChkSmPkts [Vxlan Igmp SnpG Rx Bad Ip ChkSm Pkts] (vxlanIgmpSnpGRxBadIpChkSmPkts)	long	The value of the object vxlanIgmpSnpGRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this VXLAN because of a bad IPv4 header checksum.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpgrxBadLenPkts [Vxlan Igmp Snpgrx Bad Len Pkts] (vxlanIgmpSnpgrxBadLenPkts)	long	The value of the object vxlanIgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this VXLAN because of a bad length.
vxlanIgmpSnpgrxLocalScopePkts [Vxlan Igmp Snpgrx Local Scope Pkts] (vxlanIgmpSnpgrxLocalScopePkts)	long	The value of the object vxlanIgmpSnpgrxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv6 multicast address.
vxlanIgmpSnpgrxNoRtrAlertPkts [Vxlan Igmp Snpgrx No Rtr Alert Pkts] (vxlanIgmpSnpgrxNoRtrAlertPkts)	long	The value of the object vxlanIgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this VXLAN because the Router Alert Option in the IP packet is not set.
vxlanIgmpSnpgrxRsvdScopePkts [Vxlan Igmp Snpgrx Rsvd Scope Pkts] (vxlanIgmpSnpgrxRsvdScopePkts)	long	The value of the object vxlanIgmpSnpgrxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv6 multicast address.
vxlanIgmpSnpgrxWrongVersionPkts [Vxlan Igmp Snpgrx Wrong Version Pkts] (vxlanIgmpSnpgrxWrongVersionPkts)	long	The value of the object vxlanIgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this VXLAN.
vxlanIgmpSnpgrxZeroSrcAdrPkts [Vxlan Igmp Snpgrx Zero Src Adr Pkts] (vxlanIgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object vxlanIgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this VXLAN because they contain a zero source IPv4 address.
vxlanIgmpSnpgrxSendQueryCfgDrops [Vxlan Igmp Snpgrx Send Query Cfg Drops] (vxlanIgmpSnpgrxSendQueryCfgDrops)	long	The value of the object vxlanIgmpSnpgrxSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmpSnpgrxCfgSendQueries for this VXLAN is set to 'enabled(1)'.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VxlanIgmPsnpgStats</p> <p>MIB entry name: vxlanIgmPsnpgStatsEntry</p> <p>Entry description: vxlanIgmPsnpgStatsEntry is an entry in the vxlanIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a VXLAN in a TIs.</p> <p>Table description (for vxlanIgmPsnpgStatsTable): vxlanIgmPsnpgStatsTable contains statistics on IGMP snooping per VXLAN.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.Site</p>		
vxlanIgmPsnpgFwdGenQueries [Vxlan Igm Psnpg Fwd Gen Queries] (vxlanIgmPsnpgFwdGenQueries)	long	The value of the object vxlanIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this VXLAN.
vxlanIgmPsnpgFwdGrpSpecQueries [Vxlan Igm Psnpg Fwd Grp Spec Queries] (vxlanIgmPsnpgFwdGrpSpecQueries)	long	The value of the object vxlanIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this VXLAN.
vxlanIgmPsnpgFwdSrcSpecQueries [Vxlan Igm Psnpg Fwd Src Spec Queries] (vxlanIgmPsnpgFwdSrcSpecQueries)	long	The value of the object vxlanIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this VXLAN.
vxlanIgmPsnpgFwdUnknownType [Vxlan Igm Psnpg Fwd Unknown Type] (vxlanIgmPsnpgFwdUnknownType)	long	The value of the object vxlanIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this VXLAN.
vxlanIgmPsnpgFwdV1Reports [Vxlan Igm Psnpg Fwd V1 Reports] (vxlanIgmPsnpgFwdV1Reports)	long	The value of the object vxlanIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this VXLAN.
vxlanIgmPsnpgFwdV2Leaves [Vxlan Igm Psnpg Fwd V2 Leaves] (vxlanIgmPsnpgFwdV2Leaves)	long	The value of the object vxlanIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this VXLAN.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpgFwdV2Reports [Vxlan Igmp Snpg Fwd V2 Reports] (vxlanIgmpSnpgFwdV2Reports)	long	The value of the object vxlanIgmpSnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this VXLAN.
vxlanIgmpSnpgFwdV3Reports [Vxlan Igmp Snpg Fwd V3 Reports] (vxlanIgmpSnpgFwdV3Reports)	long	The value of the object vxlanIgmpSnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this VXLAN.
vxlanIgmpSnpgRxGenQueries [Vxlan Igmp Snpg Rx Gen Queries] (vxlanIgmpSnpgRxGenQueries)	long	The value of the object vxlanIgmpSnpgRxGenQueries indicates the number of IGMP General Queries received on this VXLAN.
vxlanIgmpSnpgRxGrpSpecQueries [Vxlan Igmp Snpg Rx Grp Spec Queries] (vxlanIgmpSnpgRxGrpSpecQueries)	long	The value of the object vxlanIgmpSnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this VXLAN.
vxlanIgmpSnpgRxSrcSpecQueries [Vxlan Igmp Snpg Rx Src Spec Queries] (vxlanIgmpSnpgRxSrcSpecQueries)	long	The value of the object vxlanIgmpSnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this VXLAN.
vxlanIgmpSnpgRxUnknownType [Vxlan Igmp Snpg Rx Unknown Type] (vxlanIgmpSnpgRxUnknownType)	long	The value of the object vxlanIgmpSnpgRxUnknownType indicates the number of IGMP unknown type packets received on this VXLAN.
vxlanIgmpSnpgRxV1Reports [Vxlan Igmp Snpg Rx V1 Reports] (vxlanIgmpSnpgRxV1Reports)	long	The value of the object vxlanIgmpSnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
vxlanIgmpSnpgRxV2Leaves [Vxlan Igmp Snpg Rx V2 Leaves] (vxlanIgmpSnpgRxV2Leaves)	long	The value of the object vxlanIgmpSnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this VXLAN.
vxlanIgmpSnpgRxV2Reports [Vxlan Igmp Snpg Rx V2 Reports] (vxlanIgmpSnpgRxV2Reports)	long	The value of the object vxlanIgmpSnpgRxV2Reports indicates the number of IGMPv2 Reports received on this VXLAN.

Table 299 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIcmpSnpgRxV3Reports [Vxlan Icmp Snpg Rx V3 Reports] (vxlanIcmpSnpgRxV3Reports)	long	The value of the object vxlanIcmpSnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
vxlanIcmpSnpgTxGenQueries [Vxlan Icmp Snpg Tx Gen Queries] (vxlanIcmpSnpgTxGenQueries)	long	The value of the object vxlanIcmpSnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this VXLAN.
vxlanIcmpSnpgTxGrpSpecQueries [Vxlan Icmp Snpg Tx Grp Spec Queries] (vxlanIcmpSnpgTxGrpSpecQueries)	long	The value of the object vxlanIcmpSnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this VXLAN.
vxlanIcmpSnpgTxSrcSpecQueries [Vxlan Icmp Snpg Tx Src Spec Queries] (vxlanIcmpSnpgTxSrcSpecQueries)	long	The value of the object vxlanIcmpSnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this VXLAN.
vxlanIcmpSnpgTxV1Reports [Vxlan Icmp Snpg Tx V1 Reports] (vxlanIcmpSnpgTxV1Reports)	long	The value of the object vxlanIcmpSnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this VXLAN.
vxlanIcmpSnpgTxV2Leaves [Vxlan Icmp Snpg Tx V2 Leaves] (vxlanIcmpSnpgTxV2Leaves)	long	The value of the object vxlanIcmpSnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this VXLAN.
vxlanIcmpSnpgTxV2Reports [Vxlan Icmp Snpg Tx V2 Reports] (vxlanIcmpSnpgTxV2Reports)	long	The value of the object vxlanIcmpSnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this VXLAN.
vxlanIcmpSnpgTxV3Reports [Vxlan Icmp Snpg Tx V3 Reports] (vxlanIcmpSnpgTxV3Reports)	long	The value of the object vxlanIcmpSnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this VXLAN.

Table 300 vprn statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDataTrigStats</p> <p>MIB entry name: tmnxSapDataTrigStatsEntry</p> <p>Entry description: Each conceptual row contains detailed data trigger statistics information about a SAP. Entries in this table are created and removed automatically by the system. The system creates conceptual rows in this table only for SAP's where the value of sapStatHostMacLearnOptions is equal to 'dataTriggered'. The system does not create rows unless there is at least one non-zero counter.</p> <p>Table description (for tmnxSapDataTrigStatsTable): The tmnxSapDataTrigStatsTable contains detailed statistics information about the data triggers involved in creating data-triggered subscriber hosts. The typical usage of this table is to fill in the part of the index that identifies a SAP, and perform a partial walk to get all the statistics applicable to that SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vprn.ServiceAccessPoint</p>		
dropUnsupportedProtocol [Drop Unsupported Protocol] (tmnxSapDataTrigStatsVal)	java. math. BigInteger	The value of the object tmnxSapDataTrigStatsVal indicates the value of the statistics contained in this conceptual row.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.

Table 300 vprn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsId [Stats Id] (tmnxSapDataTrigStatsId)	long	The value of tmnxSapDataTrigStatsId indicates the identifier of the SAP data trigger statistics contained in this conceptual row. It is a meaningless number generated by this system.

Table 301 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 301 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 301 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

Table 301 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceV6AdditionalStats</p> <p>MIB entry name: tVrrpRtrStatisticsEntry</p> <p>Entry description: Each row entry in the tVrrpRtrStatisticsTable represents additional columns in the vrrpRouterStatisticsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tVrrpRtrStatisticsTable): The tVrrpRtrStatisticsTable provides an extension of the vrrpRouterStatisticsTable in the TIMETRA-VRRP-V3-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatisticsTable, and the augmenting table, tVrrpRtrStatisticsTable. This in effect extends the vrrpRouterStatisticsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.InstanceV6</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tVrrpStatAdvIntvlDiscards)	long	The value of tVrrpStatAdvIntvlDiscards indicates the total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tVrrpStatAdvertiseSent)	long	The value of tVrrpStatAdvertiseSent indicates the total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tVrrpStatMasterChanges)	long	The value for tVrrpStatMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tVrrpStatPreemptEvents)	long	The value for tVrrpStatPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tVrrpStatPreemptedEvents)	long	The value for tVrrpStatPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.

Table 301 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalDiscards [Total Discards] (tVrrpStatTotalDiscards)	long	The value of tVrrpStatTotalDiscards indicates the total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceV6Stats MIB entry name: vrrpRouterStatisticsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatisticsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.InstanceV6		
addressListErrors [Address List Errors] (vrrpStatisticsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatisticsAdvIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseRcvd [Advertise Rcvd] (vrrpStatisticsRcvdAdvertisements)	long	The total number of VRRP advertisements received by this virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 301 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeMaster [Become Master] (vrrpStatisticsMasterTransitions)	long	The total number of times that this virtual router's state has transitioned to MASTER. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
invalidAuthType [Invalid Auth Type] (vrrpStatisticsRcvdInvalidAuthentications)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatisticsRcvdInvalidTypePkts)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
ipTtlErrors [Ip Ttl Errors] (vrrpStatisticsIpTtlErrors)	long	The total number of VRRP packets received by the Virtual router with IPv4 TTL (for VRRP over IPv4) or IPv6 Hop Limit (for VRRP over IPv6) not equal to 255. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
packetLengthErrors [Packet Length Errors] (vrrpStatisticsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatisticsRcvdPriZeroPackets)	long	The total number of VRRP packets received by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 301 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatisticsSentPriZeroPackets)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 302 wpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WppPortalStats</p> <p>MIB entry name: tmnxWppPortalEntry</p> <p>Entry description: Each conceptual row represents information about a particular WPP portal. Entries in this table can be created or deleted via SNMP operations. In order to create a conceptual row in this table, a row in the tmnxWppTable with the same value of the object vRtrID must exist.</p> <p>Table description (for tmnxWppPortalTable): The tmnxWppPortalTable contains objects to configure the WPP portals of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wpp.Portal</p>		
portalName [Portal Name] (tmnxWppPortalName)	String	The value of tmnxWppPortalName specifies the name of this WPP portal.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
wppPortalStatsInstance [Wpp Portal Stats Instance] (tmnxWppPortalStatsInstance)	long	The value of the object tmnxWppPortalStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppPortalStatsType it indicates unambiguously what the value of tmnxWppPortalStatsVal means. For example: if the value of the object tmnxWppPortalStatsType is equal to 'event', the value of tmnxWppPortalStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppPortalStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.

Table 302 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppPortalStatsName [Wpp Portal Stats Name] (tmnxWppPortalStatsName)	String	The value of the object tmnxWppPortalStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppPortalStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppPortalStatsType [Wpp Portal Stats Type] (tmnxWppPortalStatsType)	int	The value of the object tmnxWppPortalStatsType indicates the type of WPP statistics contained in this conceptual row.
wppPortalStatsVal [Wpp Portal Stats Val] (tmnxWppPortalStatsVal)	long	The value of the object tmnxWppPortalStatsVal indicates the value of the statistics contained in this conceptual row.
<p>WppStats</p> <p>MIB entry name: vRtrConfEntry</p> <p>Entry description: Each row entry represents a virtual router in the system. Entries can be created and deleted via SNMP SET operations. Creation requires a SET request containing vRtrRowStatus, vRtrName and vRtrType. Note that rows in this table are usually created by the agent itself as a side affect of some other configuration; for example, when a service vprn is created by setting the appropriate objects in the TIMETRA-SERV-MIB. There will always be at least two row entries in this table, one of these entries represents the base or transport router and the other represents the management router. These entries are created when the system is initialized and can never be deleted.</p> <p>Table description (for vRtrConfTable): The vRtrConfTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wpp.Site</p>		
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 302 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppStatsInstance [Wpp Stats Instance] (tmnxWppStatsInstance)	long	The value of the object tmnxWppStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppStatsType it indicates unambiguously what the value of tmnxWppStatsVal means. For example: if the value of the object tmnxWppStatsType is equal to 'event', the value of tmnxWppStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.
wppStatsName [Wpp Stats Name] (tmnxWppStatsName)	String	The value of the object tmnxWppStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppStatsType [Wpp Stats Type] (tmnxWppStatsType)	int	The value of the object tmnxWppStatsType indicates the type of WPP statistics contained in this conceptual row.
wppStatsVal [Wpp Stats Val] (tmnxWppStatsVal)	long	The value of the object tmnxWppStatsVal indicates the value of the statistics contained in this conceptual row.

24 7701 CPAA performance statistics counters

24.1 Performance statistics counters

24.1.1 Counters

Table 303 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 303 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 304 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.

Table 304 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperI2VpnActivePfxs)	long	The value of tBgpPeerNgOperI2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
I2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperI2VpnRecvPfxs)	long	The value of tBgpPeerNgOperI2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.

Table 304 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.

Table 304 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.

Table 304 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 305 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CiscoHDLCStats MIB entry name: tmnxCiscoHDLCStatsEntry Entry description: An entry in the tmnxCiscoHDLCStatsTable. Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel </p>		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 305 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 306 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernetets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 306 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 307 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIsisStatsCSNPDrop)	long	The value of the object tmnxIsisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIsisStatsCSNPRecd)	long	The value of the object tmnxIsisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIsisStatsCSNPRetrans)	long	The value of the object tmnxIsisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIsisStatsCSNPSent)	long	The value of the object tmnxIsisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIsisStatsIIHDrop)	long	The value of the object tmnxIsisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsIIHDrop.

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPRecd)	long	The value of the object tmnxIsisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsUnknownSent.

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.

Table 307 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lfaRuns [Lfa Runs] (tmnxIisisStatsLfaRuns)	long	The value of the object tmnxIisisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIisisStatsLSPRegenerations)	long	The value of the object tmnxIisisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIisisStatsSpfRuns)	long	The value of the object tmnxIisisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 308 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 308 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 308 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 309 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.

Table 309 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 310 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'bgp'.
activeMplsTpTunnels [Active Mpls Tp Tunnels] (vRtrStatActiveMplsTpTunnels)	long	vRtrStatActiveMplsTpTunnels indicates the current number of active MPLS-TP tunnels.
activeRsvpTunnels [Active Rsvp Tunnels] (vRtrStatActiveRsvpTunnels)	long	The value of vRtrStatActiveRsvpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'rsvp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAciveRoutes)	long	vRtrBGPAciveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
dynamicArpEntries [Dynamic Arp Entries] (vRtrStatDynamicARPEntries)	long	The value of vRtrStatDynamicARPEntries indicates the total number of active and inactive dynamic ARP entries for the specified virtual router in the system.
hostActiveRoutes [Host Active Routes] (vRtrHostActiveRoutes)	long	The value of vRtrHostActiveRoutes indicates the current number of active direct routes with prefix value 32 for this instance of the route table.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostRoutes [Host Routes] (vRtrHostRoutes)	long	The value of vRtrHostRoutes indicates the current number of direct routes with prefix value 32 for this instance of the route table.
iPsecActiveRoutes [IPsec Active Routes] (vRtrIPsecActiveRoutes)	long	The value of the object vRtrIPsecActiveRoutes indicates the current number of active IPsec routes for this instance of the route table.
iPsecRoutes [IPsec Routes] (vRtrIPsecRoutes)	long	The value of the object vRtrIPsecRoutes indicates the current number of IPsec routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
internalArpEntries [Internal Arp Entries] (vRtrStatInternalARPEntries)	long	The value of vRtrStatInternalARPEntries indicates the total number of active and inactive internal ARP entries for the specified virtual router in the system.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveRoutes [Ldp Active Routes] (vRtrLDPAciveRoutes)	long	vRtrLDPAciveRoutes indicates the current number of active ldp routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpRoutes [Ldp Routes] (vRtrLDPRoutes)	long	vRtrLDPRoutes indicates the current number of ldp routes for this instance of the route table.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
localArpEntries [Local Arp Entries] (vRtrStatLocalARPEntries)	long	The value of vRtrStatLocalARPEntries indicates the total number of active and inactive local ARP entries for the specified virtual router in the system.
managedActiveRoutes [Managed Active Routes] (vRtrManagedActiveRoutes)	long	The value of vRtrManagedActiveRoutes indicates the total number of active managed routes for the specified virtual router in the system.
managedArpEntries [Managed Arp Entries] (vRtrStatManagedARPEntries)	long	The value of vRtrStatManagedARPEntries indicates the total number of active and inactive managed ARP entries for the specified virtual router in the system.
managedRoutes [Managed Routes] (vRtrManagedRoutes)	long	The value of vRtrManagedRoutes indicates the total number of active and inactive managed routes for the specified virtual router in the system.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
natActiveRoutes [Nat Active Routes] (vRtrNatActiveRoutes)	long	The value of vRtrNatActiveRoutes indicates the current number of IPv4 NAT routes for this instance of the route table.
natRoutes [Nat Routes] (vRtrNatRoutes)	long	The value of vRtrNatRoutes indicates the current number of IPv4 NAT (Network Address Translation) routes for this instance of the route table.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
perActiveRoutes [Per Active Routes] (vRtrPeriodicActiveRoutes)	long	The value of vRtrPeriodicActiveRoutes indicates the current number of active periodic routes for this instance of the route table.
perRoutes [Per Routes] (vRtrPeriodicRoutes)	long	The value of vRtrPeriodicRoutes indicates the current number of periodic routes for this instance of the route table.
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
statBGPEVPNARPEntries [Stat BGPEVPNARPEntries] (vRtrStatBGPEVPNARPEntries)	long	The value of vRtrStatBGPEVPNARPEntries indicates the total number of BGP EVPN ARP entries for the specified virtual router in the system.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticArpEntries [Static Arp Entries] (vRtrStatStaticARPEntries)	long	The value of vRtrStatStaticARPEntries indicates the total number of active and inactive static ARP entries for the specified virtual router in the system.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
subMgmtActiveRoutes [Sub Mgmt Active Routes] (vRtrSubMgmtActiveRoutes)	long	The value of vRtrSubMgmtActiveRoutes indicates the number of active subscriber management routes.
subMgmtRoutes [Sub Mgmt Routes] (vRtrSubMgmtRoutes)	long	The value of vRtrSubMgmtRoutes indicates the total number of subscriber management routes in the route Table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.
totalMplsTpTunnels [Total Mpls Tp Tunnels] (vRtrStatTotalMplsTpTunnels)	long	vRtrStatTotalMplsTpTunnels indicates the current number of both active and inactive MPLS-TP tunnels.
totalRsvpTunnels [Total Rsvp Tunnels] (vRtrStatTotalRsvpTunnels)	long	The value of vRtrStatTotalRsvpTunnels indicates the current number of both active and inactive RSVP tunnels.
vpnLeakActiveRoutes [Vpn Leak Active Routes] (vRtrVPNLeakActiveRoutes)	long	vRtrVPNLeakActiveRoutes indicates the current number of active VPN Leak routes for this instance of the route table.
vpnLeakRoutes [Vpn Leak Routes] (vRtrVPNLeakRoutes)	long	vRtrVPNLeakRoutes indicates the current number of VPN Leak routes for this instance of the route table.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.

Table 310 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 311 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 311 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 311 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>RadiusNotifyStats</p> <p>MIB entry name: tmnxSubRadNotifyStatsObjects</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.

Table 311 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 312 topology statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BgpOriginatedAsStats</p> <p>MIB entry name: aluBgpInstanceOrigAsStatsEntry</p> <p>Entry description: An entry (conceptual row) in the aluBgpInstanceOrigAsStatsTable. each entry represents the BGP Stats for specific originated AS.</p> <p>Table description (for aluBgpInstanceOrigAsStatsTable): information about BGP Stats for originated Autonomous Systems.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: topology.BgpOriginatedAs</p>		
numberOfRouteAdded [Number Of Route Added] (aluBgpInstanceOrigAsNumRouteAdded)	long	The number of added BGP routes originated from Autonomous System aluBgpInstanceOrigAs.
numberOfRouteChurn [Number Of Route Churn] (aluBgpInstanceOrigAsNumRouteChurn)	long	The number of churn BGP routes (added or withdrawn) originated from Autonomous System aluBgpInstanceOrigAs.
numberOfRouteWithdrwan [Number Of Route Withdrwan] (aluBgpInstanceOrigAsNumRoute- Withdrawn)	long	The compliance statement for revision 4.0 of BGP Stats in the ALU-BGP-MIB.
totalOriginatingBgpRoutes [Total Originating Bgp Routes] (aluBgpInstanceOrigAsTotalOrigBgpRoutes)	long	The total number of BGP routes originated from Autonomous System aluBgpInstanceOrigAs.

Table 312 topology statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BgpRoutesNextHopStats</p> <p>MIB entry name: aluBgpInstanceBgpStatsEntry</p> <p>Entry description: An entry (conceptual row) in the aluBgpInstanceBgpStatsTable. each entry represents the BGP Stats for specific Route Target and next hop.</p> <p>Table description (for aluBgpInstanceBgpStatsTable): information about BGP Route Target and Next Hop Stats.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: topology.BgpRoutesNextHop</p>		
numberOfAsPathChange [Number Of As Path Change] (aluBgpInstanceNumAsPathChange)	long	The number of BGP routes received with different AS-PATH for specific Route Target and next hop.
numberOfCommunityChange [Number Of Community Change] (aluBgpInstanceNumCommunityChange)	long	The number of BGP routes received with different COMMUNITY for specific Route Target and next hop.
numberOfLocalPrefChange [Number Of Local Pref Change] (aluBgpInstanceNumLocalPrefChange)	long	The number of BGP routes received with different LOCAL-PREF for specific Route Target and next hop.
numberOfMedChange [Number Of Med Change] (aluBgpInstanceNumMedChange)	long	The number of BGP routes received with different MED for specific Route Target and next hop.
numberOfNextHopChange [Number Of Next Hop Change] (aluBgpInstanceNumNextHopChange)	long	The number of BGP routes received with different Next-Hop. It only applies when aluBgpInstanceNHAddr is zero.
numberOfRouteAdded [Number Of Route Added] (aluBgpInstanceNumRouteAdded)	long	The number of added BGP routes for specific Route Target and next hop.

Table 312 topology statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfRouteChurn [Number Of Route Churn] (aluBgpInstanceNumRouteChurn)	long	The number of BGP routes churn (added or withdrawn) for specific Route Target and next hop.
numberOfRouteFlapped [Number Of Route Flapped] (aluBgpInstanceNumRouteFlapped)	long	The number of flapped BGP routes for specific Route Target and next hop.
numberOfRouteUpdated [Number Of Route Updated] (aluBgpInstanceNumRouteUpdated)	long	The number of updated BGP routes for specific Route Target and next hop.
numberOfRouteWithdrwan [Number Of Route Withdrwan] (aluBgpInstanceNumRouteWithdrawn)	long	The number of withdrawn BGP routes for specific Route Target and next hop.
totalBgpRoutes [Total Bgp Routes] (aluBgpInstanceTotalBgpRoutes)	long	The total number of BGP routes for specific Route Target and next hop.
totalConfedInternalRoutes [Total Confed Internal Routes] (aluBgpInstanceTotalConfedInternalRoutes)	long	The total number of confederation BGP internal routes for specific next hop. It only applies to global BGP (RT=0).
totalSubAsInternalRoutes [Total Sub As Internal Routes] (aluBgpInstanceTotalSubAsInternalRoutes)	long	The total number of Sub-AS BGP internal routes for specific next hop. It only applies to global BGP (RT=0).

25 7705 SAR performance statistics counters

25.1 Performance statistics counters

25.1.1 Counters

Table 313 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 313 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpExceptionHitCountStats MIB entry name: aluNgeCompliances Supports realtime plotting Supports scheduled collection Monitored class: acfilter.IpExceptionFilterEntry		
egressHitByteCount [Egress Hit Byte Count] (aluNgeIPExceptEgressHitByteCount)	java. math. BigInteger	The compliance statement for management of group encryption on Nokia 7705 systems.
egressHitCount [Egress Hit Count] (aluNgeIPExceptEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (aluNgeIPExceptIngrHitByteCount)	java. math. BigInteger	This object indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (aluNgeIPExceptIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 313 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 313 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 314 apipe statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapAGBaseStats MIB entry name: aluSapAGBaseStatsEntry Entry description: Basic statistics about a specific SAP Aggregation Group. Table description (for aluSapAGBaseStatsTable): A table that contains basic statistics of a SAP Aggregation Group. Supports realtime plotting Supports scheduled collection Monitored class: apipe.SapAggregationGroup</p>		
sapAGBaseStatsAuthentication- PktsDiscarded [Sap AGBase Stats Authentication Pkts Discarded] (aluSapAGBaseStatsAuthentica- tionPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
sapAGBaseStatsAuthentication- PktsSuccess [Sap AGBase Stats Authentication Pkts Success] (aluSapAGBaseStatsAuthentica- tionPktsSuccess)	long	The number of DHCP packets successfully authenticated.
sapAGBaseStatsCustId [Sap AGBase Stats Cust Id] (aluSapAGBaseStatsCustId)	long	The Customer ID for the associated service.
sapAGBaseStatsEgressDropped- InProfOctets [Sap AGBase Stats Egress Dropped In Prof Octets] (aluSapAGBaseStatsEgressDrop- pedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsEgressDropped- InProfPackets [Sap AGBase Stats Egress Dropped In Prof Packets] (aluSapAGBaseStatsEgressDrop- pedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsEgressDropped- OutProfOctets [Sap AGBase Stats Egress Dropped Out Prof Octets] (aluSapAGBaseStatsEgress- DroppedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsEgressDropped- OutProfPackets [Sap AGBase Stats Egress Dropped Out Prof Packets] (aluSapAGBaseStatsEgress- DroppedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsEgressForward- edInProfOctets [Sap AGBase Stats Egress Forwarded In Prof Octets] (aluSapAGBaseStatsEgressFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded.
sapAGBaseStatsEgressForward- edInProfPackets [Sap AGBase Stats Egress Forwarded In Prof Packets] (aluSapAGBaseStatsEgressFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsEgressForwardedOutProfOctets [Sap AGBase Stats Egress Forwarded Out Prof Octets] (aluSapAGBaseStatsEgressForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded.
sapAGBaseStatsEgressForwardedOutProfPackets [Sap AGBase Stats Egress Forwarded Out Prof Packets] (aluSapAGBaseStatsEgressForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded.
sapAGBaseStatsIngressDroppedHiPrioOctets [Sap AGBase Stats Ingress Dropped Hi Prio Octets] (aluSapAGBaseStatsIngressDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsIngressDroppedHiPrioPackets [Sap AGBase Stats Ingress Dropped Hi Prio Packets] (aluSapAGBaseStatsIngressDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsIngressDroppedLoPrioOctets [Sap AGBase Stats Ingress Dropped Lo Prio Octets] (aluSapAGBaseStatsIngressDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsIngressDropped-LoPrioPackets [Sap AGBase Stats Ingress Dropped Lo Prio Packets] (aluSapAGBaseStatsIngress-DroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsIngressDroppedOctets [Sap AGBase Stats Ingress Dropped Octets] (aluSapAGBaseStatsIngress-DroppedOctets)	java. math. BigInteger	The number of octets dropped in ingress due to: SAP state, bad checksum, etc.
sapAGBaseStatsIngressDroppedPackets [Sap AGBase Stats Ingress Dropped Packets] (aluSapAGBaseStatsIngress-DroppedPackets)	java. math. BigInteger	The number of packets dropped in ingress due to: SAP state, bad checksum, etc.
sapAGBaseStatsIngressForwardedInProfOctets [Sap AGBase Stats Ingress Forwarded In Prof Octets] (aluSapAGBaseStatsIngressForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded.
sapAGBaseStatsIngressForwardedInProfPackets [Sap AGBase Stats Ingress Forwarded In Prof Packets] (aluSapAGBaseStatsIngressForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsIngressForwardedOutProfOctets [Sap AGBase Stats Ingress Forwarded Out Prof Octets] (aluSapAGBaseStatsIngressForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded.
sapAGBaseStatsIngressForwardedOutProfPackets [Sap AGBase Stats Ingress Forwarded Out Prof Packets] (aluSapAGBaseStatsIngressForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded.
sapAGBaseStatsIngressOfferedHiPrioOctets [Sap AGBase Stats Ingress Offered Hi Prio Octets] (aluSapAGBaseStatsIngressOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets offered, as determined by the SAP Aggregation Group's ingress QoS policy.
sapAGBaseStatsIngressOfferedHiPrioPackets [Sap AGBase Stats Ingress Offered Hi Prio Packets] (aluSapAGBaseStatsIngressOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets offered, as determined by the SAP Aggregation Group's ingress QoS policy.
sapAGBaseStatsIngressOfferedLoPrioOctets [Sap AGBase Stats Ingress Offered Lo Prio Octets] (aluSapAGBaseStatsIngressOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets offered, as determined by the SAP Aggregation Group's ingress QoS policy.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsIngressOfferedLoPrioPackets [Sap AGBase Stats Ingress Offered Lo Prio Packets] (aluSapAGBaseStatsIngressOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets offered, as determined by the SAP Aggregation Group's ingress QoS policy.
sapAGBaseStatsIngressOfferedUncoloredOctets [Sap AGBase Stats Ingress Offered Uncolored Octets] (aluSapAGBaseStatsIngressOfferedUncoloredOctets)	java. math. BigInteger	The number of uncolored octets offered, as determined by the SAP ingress QoS policy.
sapAGBaseStatsIngressOfferedUncoloredPackets [Sap AGBase Stats Ingress Offered Uncolored Packets] (aluSapAGBaseStatsIngressOfferedUncoloredPackets)	java. math. BigInteger	The number of uncolored packets offered, as determined by the SAP ingress QoS policy.
sapAGBaseStatsLastClearedTime [Sap AGBase Stats Last Cleared Time] (aluSapAGBaseStatsLastClearedTime)	long	The value of aluSapAGBaseStatsLastClearedTime indicates the sysUpTime when the counters in this table were last cleared.
sapAGBaseStatsUnknownVpiVciCellsDropped [Sap AGBase Stats Unknown Vpi Vci Cells Dropped] (aluSapAGBaseStatsUnknownVpiVciCellsDropped)	java. math. BigInteger	The number of cells received with vpi/vci that is not defined under vcid-translation. The cells with unknown vpi/vci are dropped.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapAGEgrQosQStats MIB entry name: aluSapAGEgrQosQStatsEntry Entry description: Egress statistics about a specific SAP Aggregation Group's QoS queue. Table description (for aluSapAGEgrQosQStatsTable): A table that contains egress QoS queue SAP Aggregation Group statistics. Supports realtime plotting Supports scheduled collection Monitored class: apipe.SapAggregationGroup</p>		
sapAGEgrQosCustId [Sap AGEgr Qos Cust Id] (aluSapAGEgrQosCustId)	long	The Customer ID for the associated service.
sapAGEgrQosQStatsDroppedInProfOctets [Sap AGEgr Qos QStats Dropped In Prof Octets] (aluSapAGEgrQosQStatsDropped-InProfOctets)	java. math. BigInteger	The number of in-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGEgrQosQStatsDroppedInProfPackets [Sap AGEgr Qos QStats Dropped In Prof Packets] (aluSapAGEgrQosQStatsDropped-InProfPackets)	java. math. BigInteger	The number of in-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGEgrQosQStatsDroppedOutProfOctets [Sap AGEgr Qos QStats Dropped Out Prof Octets] (aluSapAGEgrQosQStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGEgrQosQStatsDroppedOut- ProfPackets [Sap AGEgr Qos QStats Dropped Out Prof Packets] (aluSapAGEgrQosQStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of in-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGEgrQosQStatsForwardedIn- ProfOctets [Sap AGEgr Qos QStats Forwarded In Prof Octets] (aluSapAGEgrQosQStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded.
sapAGEgrQosQStatsForwardedIn- ProfPackets [Sap AGEgr Qos QStats Forwarded In Prof Packets] (aluSapAGEgrQosQStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.
sapAGEgrQosQStatsForwarded- OutProfOctets [Sap AGEgr Qos QStats Forwarded Out Prof Octets] (aluSapAGEgrQosQStatsForward- edOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate below CIR) forwarded.
sapAGEgrQosQStatsForwarded- OutProfPackets [Sap AGEgr Qos QStats Forwarded Out Prof Packets] (aluSapAGEgrQosQStatsForward- edOutProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGEgrQosQueueId [Sap AGEgr Qos Queue Id] (aluSapAGEgrQosQueueId)	long	The index of the egress QoS queue of this SAP Aggregation Group.
<p>SapAGIngQosQStats MIB entry name: aluSapAGIngQosQStatsEntry Entry description: Ingress statistics about a specific SAP Aggregation Group's QoS queue. Table description (for aluSapAGIngQosQStatsTable): A table that contains ingress QoS queue SAP Aggregation Group statistics. Supports realtime plotting Supports scheduled collection Monitored class: apipe.SapAggregationGroup</p>		
sapAGIngQosCustId [Sap AGIng Qos Cust Id] (aluSapAGIngQosCustId)	long	The Customer ID for the associated service.
sapAGIngQosQStatsDroppedHiPrioOctets [Sap AGIng Qos QStats Dropped Hi Prio Octets] (aluSapAGIngQosQStatsDroppedHiPrioOctets)	java.math.BigInteger	The number of low priority octets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGIngQosQStatsDroppedHiPrioPackets [Sap AGIng Qos QStats Dropped Hi Prio Packets] (aluSapAGIngQosQStatsDroppedHiPrioPackets)	java.math.BigInteger	The number of high priority packets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGIngQosQStatsDroppedLoPrioOctets [Sap AGIng Qos QStats Dropped Lo Prio Octets] (aluSapAGIngQosQStatsDroppedLoPrioOctets)	java.math.BigInteger	The number of low priority octets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGIngQosQStatsDroppedLoPrioPackets [Sap AGIng Qos QStats Dropped Lo Prio Packets] (aluSapAGIngQosQStatsDropped- LoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGIngQosQStatsForwardedIn- ProfOctets [Sap AGIng Qos QStats Forwarded In Prof Octets] (aluSapAGIngQosQStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded.
sapAGIngQosQStatsForwardedIn- ProfPackets [Sap AGIng Qos QStats Forwarded In Prof Packets] (aluSapAGIngQosQStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.
sapAGIngQosQStatsForwarded- OutProfOctets [Sap AGIng Qos QStats Forwarded Out Prof Octets] (aluSapAGIngQosQStatsForward- edOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded.
sapAGIngQosQStatsForwarded- OutProfPackets [Sap AGIng Qos QStats Forwarded Out Prof Packets] (aluSapAGIngQosQStatsForward- edOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGIngQosQStatsOfferedHiPrioOctets [Sap AGIng Qos QStats Offered Hi Prio Octets] (aluSapAGIngQosQStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsOfferedHiPrioPackets [Sap AGIng Qos QStats Offered Hi Prio Packets] (aluSapAGIngQosQStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsOfferedLoPrioOctets [Sap AGIng Qos QStats Offered Lo Prio Octets] (aluSapAGIngQosQStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsOfferedLoPrioPackets [Sap AGIng Qos QStats Offered Lo Prio Packets] (aluSapAGIngQosQStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsUncoloredOctetsOffered [Sap AGIng Qos QStats Uncolored Octets Offered] (aluSapAGIngQosQStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress.

Table 314 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGIngQosQStatsUncolored- PacketsOffered [Sap AGIng Qos QStats Uncolored Packets Offered] (aluSapAGIngQosQStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The number of uncolored packets offered to the ingress.
sapAGIngQosQueueId [Sap AGIng Qos Queue Id] (aluSapAGIngQosQueueId)	long	The index of the ingress QoS queue of this SAP Aggregation Group.

Table 315 aps statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ApsChannelStats MIB entry name: apsChanStatusEntry Entry description: A conceptual row in the apsChanStatusTable. Table description (for apsChanStatusTable): This table contains status information for all SONET LTE interfaces that are included in APS groups. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsChannel</p>		
discontinuityTime [Discontinuity Time] (apsChanStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this channel's counters suffered a discontinuity. The relevant counters are the specific instances associated with this channel of any Counter32 object contained in apsChanStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.
lastSwitchover [Last Switchover] (apsChanStatusLastSwitchover)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the value of sysUpTime when this channel last completed a switch to the protection line. If this channel has never switched to the protection line, the value 0 will be returned. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the value of sysUpTime the last time that a working channel was switched back to the working line from this protection line. If no working channel has ever switched back to the working line from this protection line, the value 0 will be returned.

Table 315 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalDegrades [Signal Degrades] (apsChanStatusSignalDegrades)	long	A count of Signal Degrade conditions. This condition occurs when the line Bit Error Rate exceeds the currently configured value of the relevant instance of apsConfigSdBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
signalFailures [Signal Failures] (apsChanStatusSignalFailures)	long	A count of Signal Failure conditions that have been detected on the incoming signal. This condition occurs when a loss of signal, loss of frame, AIS-L or a Line bit error rate exceeding the currently configured value of the relevant instance of apsConfigSfBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
switchoverSeconds [Switchover Seconds] (apsChanStatusSwitchoverSeconds)	long	The cumulative Protection Switching Duration (PSD) time in seconds. For a working channel, this is the cumulative number of seconds that service was carried on the protection line. For the protection line, this is the cumulative number of seconds that the protection line has been used to carry any working channel traffic. This information is only valid if revertive switching is enabled. The value 0 will be returned otherwise. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime. For example, if the value of an instance of apsChanStatusSwitchoverSeconds changes from a non-zero value to zero due to revertive switching being disabled, it is expected that the corresponding value of apsChanStatusDiscontinuityTime will be updated to reflect the time of the configuration change.

Table 315 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
switchovers [Switchovers] (apsChanStatusSwitchovers)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the number of times this channel has switched to the protection line. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the number of times that any working channel has been switched back to the working line from this protection line. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
<p>ApsGroupStats MIB entry name: apsStatusEntry Entry description: A conceptual row in the apsStatusTable. Table description (for apsStatusTable): This table provides status information about APS groups that have been configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsGroup</p>		
channelMismatches [Channel Mismatches] (apsStatusChannelMismatches)	long	A count of Channel Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
discontinuityTime [Discontinuity Time] (apsStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this APS group's counters suffered a discontinuity. The relevant counters are the specific instances associated with this APS group of any Counter32 object contained in apsStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.

Table 315 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fEPLFs [fEPLFs] (apsStatusfEPLFs)	long	A count of Far-End Protection-Line Failure conditions. This condition is declared based on receiving SF on the protection line in the K1 byte. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
modeMismatches [Mode Mismatches] (apsStatusModeMismatches)	long	A count of Mode Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
pSBFs [PSBFs] (apsStatusPSBFs)	long	A count of Protection Switch Byte Failure conditions. This condition occurs when either an inconsistent APS byte or an invalid code is detected. An inconsistent APS byte occurs when no three consecutive K1 bytes of the last 12 successive frames are identical, starting with the last frame containing a previously consistent byte. An invalid code occurs when the incoming K1 byte contains an unused code or a code irrelevant for the specific switching operation (e.g., Reverse Request while no switching request is outstanding) in three consecutive frames. An invalid code also occurs when the incoming K1 byte contains an invalid channel number in three consecutive frames. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.

Table 316 atm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmOamVplStatistics</p> <p>MIB entry name: tAtmOamVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVplStatisticsTable): The tAtmOamVplStatisticsTable is used to gather oam statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		
tAtmOamVplStatsAISCellsRxd [TAtm Oam Vpl Stats AISCells Rxd] (tAtmOamVplStatsAISCellsRxd)	long	The value of tAtmOamVplStatsAISCellsRxd indicates the number of AIS cells received on this VPL for both end to end and segment.
tAtmOamVplStatsAISCellsTxd [TAtm Oam Vpl Stats AISCells Txd] (tAtmOamVplStatsAISCellsTxd)	long	The value of tAtmOamVplStatsAISCellsTxd indicates the number of AIS cells transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsCrc10Errors [TAtm Oam Vpl Stats Crc 10 Errors] (tAtmOamVplStatsCrc10Errors)	long	The value of tAtmOamVplStatsCrc10Errors indicates the number of OAM cells discarded on this VPL with CRC 10 errors.
tAtmOamVplStatsLoopbackCellsRxd [TAtm Oam Vpl Stats Loopback Cells Rxd] (tAtmOamVplStatsLoopbackCellsRxd)	long	The value of tAtmOamVplStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VPL for both end to end and segment.
tAtmOamVplStatsLoopbackCellsTxd [TAtm Oam Vpl Stats Loopback Cells Txd] (tAtmOamVplStatsLoopbackCellsTxd)	long	The value of tAtmOamVplStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsOtherCellsRxd [TAtm Oam Vpl Stats Other Cells Rxd] (tAtmOamVplStatsOtherCellsRxd)	long	This value of tAtmOamVplStatsOtherCellsRxd indicates the number of OAM cells that are received on this VPL but not identified.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmOamVplStatsRDICellsRxd [TAtm Oam Vpl Stats RDICells Rxd] (tAtmOamVplStatsRDICellsRxd)	long	The value of tAtmOamVplStatsRDICellsRxd indicates the number of RDI cells received on this VPL for both end to end and segment.
tAtmOamVplStatsRDICellsTxd [TAtm Oam Vpl Stats RDICells Txd] (tAtmOamVplStatsRDICellsTxd)	long	The value of tAtmOamVplStatsRDICellsTxd indicates the number of RDI cells transmitted on this VPL for both end to end and segment.
<p>AtmVplStatistics MIB entry name: tAtmVplStatisticsEntry Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB. Table description (for tAtmVplStatisticsTable): The tAtmVplStatisticsTable is used to gather cell-level statistics on a particular VPL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.VPConnection</p>		
tAtmVplStatsDrpCellsRxd [TAtm Vpl Stats Drp Cells Rxd] (tAtmVplStatsDrpCellsRxd)	long	The value of tAtmVplStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsRxd [TAtm Vpl Stats Drp Clp 0 Cells Rxd] (tAtmVplStatsDrpClp0CellsRxd)	long	The value of tAtmVplStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsTxd [TAtm Vpl Stats Drp Clp 0 Cells Txd] (tAtmVplStatsDrpClp0CellsTxd)	long	The value of tAtmVplStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VPL. This includes both discards due to buffer management and policer.
tAtmVplStatsTagCells [TAtm Vpl Stats Tag Cells] (tAtmVplStatsTagCells)	long	The value of tAtmVplStatsTagCells indicates the number of tagged CLP=0 cells of the VPL. The egress may or may not discard these cells.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVplStatsTotalBytesRxd [TAtm Vpl Stats Total Bytes Rxd] (tAtmVplStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesRxd indicates the number of bytes received by this VPL. This is the number of tAtmVplStatsTotalCellsRxd multiplied by 53.
tAtmVplStatsTotalBytesTxd [TAtm Vpl Stats Total Bytes Txd] (tAtmVplStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesTxd indicates the number of bytes transmitted by this VPL. This is the number of tAtmVplStatsTotalCellsTxd multiplied by 53.
tAtmVplStatsTotalCellsRxd [TAtm Vpl Stats Total Cells Rxd] (tAtmVplStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsRxd indicates the number of valid ATM cells received by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalCellsTxd [TAtm Vpl Stats Total Cells Txd] (tAtmVplStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsRxd [TAtm Vpl Stats Total Clp 0 Cells Rxd] (tAtmVplStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsTxd [TAtm Vpl Stats Total Clp 0 Cells Txd] (tAtmVplStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: tAtmIntfStatsEntry Entry description: An entry in the tAtmIntfStatsEntry containing statistics information applicable to an ATM interface. Table description (for tAtmIntfStatsTable): The tAtmIntfStatsTable contains ATM interface stats at the ATM Layer. Supports realtime plotting Supports scheduled collection Monitored class: atm.Interface</p>		
tAtmInterfaceStatsTotalBytesRxd [TAtm Interface Stats Total Bytes Rxd] (tAtmIntfStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesRxd indicates the number of bytes received on this interface. This is the number of tAtmIntfStatsTotalCellsRxd multiplied by 53.
tAtmInterfaceStatsTotalBytesTxd [TAtm Interface Stats Total Bytes Txd] (tAtmIntfStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesTxd indicates the number of bytes transmitted on this interface. This is the number of tAtmIntfStatsTotalCellsTxd multiplied by 53.
tAtmInterfaceStatsTotalCellsRxd [TAtm Interface Stats Total Cells Rxd] (tAtmIntfStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsRxd indicates the number of valid ATM cells received by the ATM interface including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmInterfaceStatsTotalCellsTxd [TAtm Interface Stats Total Cells Txd] (tAtmIntfStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the ATM interface including both CLP=0 and CLP=1 cells.
tAtmInterfaceStatsTotalUnknownCellsDropped [TAtm Interface Stats Total Unknown Cells Dropped] (tAtmIntfStatsTotalUnknCellsDrp)	long	The value of tAtmIntfStatsTotalUnknCellsDrp indicates the number of cells dropped due to an unknown VPI/VCI.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionAal5PerformanceStats</p> <p>MIB entry name: aal5VccEntry</p> <p>Entry description: This list contains the AAL5 VCC performance parameters and is indexed by ifIndex values of AAL5 interfaces and the associated VPI/VCI values.</p> <p>Table description (for aal5VccTable): This table contains AAL5 VCC performance parameters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
aal5CrcErrors [Aal5 Crc Errors] (aal5VccCrcErrors)	long	The number of AAL5 CPCS PDUs received with CRC-32 errors on this AAL5 VCC at the interface associated with an AAL5 entity.
aal5OverSizedSDUs [Aal5 Over Sized SDUs] (aal5VccOverSizedSDUs)	long	The number of AAL5 CPCS PDUs discarded on this AAL5 VCC at the interface associated with an AAL5 entity because the AAL5 SDUs were too large.
aal5SarTimeOuts [Aal5 Sar Time Outs] (aal5VccSarTimeOuts)	long	The number of partially re-assembled AAL5 CPCS PDUs which were discarded on this AAL5 VCC at the interface associated with an AAL5 entity because they were not fully re-assembled within the required time period. If the re-assembly timer is not supported, then this object contains a zero value.
<p>PvcConnectionAal5Stats</p> <p>MIB entry name: tAal5VccStatisticsEntry</p> <p>Entry description: An entry in the tAal5VccStatisticsTable containing statistics information applicable to a particular AAL5 VCC entry in the AToM MIB.</p> <p>Table description (for tAal5VccStatisticsTable): tAal5VccStatisticsTable is used to gather AAL5-level statistics on a particular AAL5 VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aal5DroppedPacketsRxd [Aal5 Dropped Packets Rxd] (tAal5VccStatsDrpPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsRxd indicates the number of dropped AAL-5 SDUs that have been received on the AAL-5 VCC.
aal5DroppedPacketsTxd [Aal5 Dropped Packets Txd] (tAal5VccStatsDrpPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsTxd indicates the number of dropped AAL-5 SDUs that would have been transmitted on the AAL-5 VCC.
aal5PacketsRxd [Aal5 Packets Rxd] (tAal5VccStatsPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsRxd indicates the number of valid AAL-5 SDUs and AAL-5 SDUs with CRC-32 errors received by the AAL-5 VCC.
aal5PacketsTxd [Aal5 Packets Txd] (tAal5VccStatsPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsTxd indicates the number of AAL-5 SDUs transmitted by the AAL-5 VCC.
PvcConnectionOamStats MIB entry name: tAtmOamVclStatisticsEntry Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmOamVclStatisticsTable): The tAtmOamVclStatisticsTable is used to gather oam statistics on a particular VCL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection		
oamAISCellsRxd [Oam AISCells Rxd] (tAtmOamVclStatsAISCellsRxd)	long	The value of tAtmOamVclStatsAISCellsRxd indicates the number of AIS cells received on this VC for both end to end and segment.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oamAISCellsTxd [Oam AISCells Txd] (tAtmOamVclStatsAISCellsTxd)	long	The value of tAtmOamVclStatsAISCellsTxd indicates the number of AIS cells transmitted on this VC for both end to end and segment.
oamCrc10Errors [Oam Crc 10 Errors] (tAtmOamVclStatsCrc10Err)	long	The value of tAtmOamVclStatsCrc10Err indicates the number of oam cells discarded with CRC 10 Errors.
oamLoopbackCellsRxd [Oam Loopback Cells Rxd] (tAtmOamVclStatsLoopbackCellsRxd)	long	The value of tAtmOamVclStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VC for both end to end and segment.
oamLoopbackCellsTxd [Oam Loopback Cells Txd] (tAtmOamVclStatsLoopbackCellsTxd)	long	The value of tAtmOamVclStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VC for both end to end and segment.
oamOtherCellsRxd [Oam Other Cells Rxd] (tAtmOamVclStatsOtherCellsRxd)	long	This value of tAtmOamVclStatsOtherCellsRxd indicates the number of oam cells that are received but not identified.
oamRDICellsRxd [Oam RDICells Rxd] (tAtmOamVclStatsRDICellsRxd)	long	The value of tAtmOamVclStatsRDICellsRxd indicates the number of RDI cells received on this VC for both end to end and segment.
oamRDICellsTxd [Oam RDICells Txd] (tAtmOamVclStatsRDICellsTxd)	long	The value of tAtmOamVclStatsRDICellsTxd indicates the number of RDI cells transmitted on this VC for both end to end and segment.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionStats</p> <p>MIB entry name: tAtmVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmVclStatisticsTable): The tAtmVclStatisticsTable is used to gather cell-level statistics on a particular VCL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
totalBytesRxd [Total Bytes Rxd] (tAtmVclStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesRxd indicates the number of bytes received by this Vcl. This is the number of tAtmVclStatsTotalCellsRxd multiplied by 53.
totalBytesTxd [Total Bytes Txd] (tAtmVclStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesTxd indicates the number of bytes transmitted by this Vcl. This is the number of tAtmVclStatsTotalCellsTxd multiplied by 53.
totalPacketsRxd [Total Packets Rxd] (tAtmVclStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsRxd indicates the number of valid ATM cells received by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
totalPacketsTxd [Total Packets Txd] (tAtmVclStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 316 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TCStats</p> <p>MIB entry name: atmInterfaceTCEntry</p> <p>Entry description: This list contains TC Sublayer parameters and state variables at the ATM interface and is indexed by the ifIndex value of the ATM interface.</p> <p>Table description (for atmInterfaceTCTable): This table contains ATM interface TC Sublayer parameters and state variables, one entry per ATM interface port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
ocdEvents [Ocd Events] (atmInterfaceOCDEvents)	long	The number of times the Out of Cell Delineation (OCD) events occur. If seven consecutive ATM cells have Header Error Control (HEC) violations, an OCD event occurs. A high number of OCD events may indicate a problem with the TC Sublayer.
<p>TCSubLayerStats</p> <p>MIB entry name: tAtmTCSublayerEntry</p> <p>Entry description: An entry in the tAtmTCSublayerEntry containing additional management information about the Transmission Coverage Sublayer.</p> <p>Table description (for tAtmTCSublayerTable): The tAtmTCSublayerTable contains the Transmission Convergence Sublayer data.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
hecErrors [Hec Errors] (tAtmTCSublayerHecErrors)	long	The value of tAtmTCSublayerHecErrors indicates the number of cells with uncorrectable HEC Errors on this interface.
hecErrorsFixed [Hec Errors Fixed] (tAtmTCSublayerHecErrorsFixed)	long	The value of tAtmTCSublayerHecErrorsFixed indicates the number of cells with correctable HEC Errors on this interface.

Table 317 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 317 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.

Table 317 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
mvpnActivePrefixes [Mvpn Active Prefixes] (tBgpPeerNgOperMvpnV4ActivePfxs)	long	The value of tBgpPeerNgOperMvpnV4ActivePfxs indicates the number of active MVPN IPv4 prefixes from this peer.

Table 317 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mvpnPrefixesSuppressedByDamping [Mvpn Prefixes Suppressed By Damping] (tBgpPeerNgOperMvpnV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMvpnV4SuppPfxDamp indicates the number of MVPN IPv4 prefixes from this peer, which have been suppressed by damping.
mvpnReceivedPrefixes [Mvpn Received Prefixes] (tBgpPeerNgOperMvpnV4RecvPfxs)	long	The value of tBgpPeerNgOperMvpnV4RecvPfxs indicates the number of MVPN IPv4 prefixes received from this peer.
mvpnSentPrefixes [Mvpn Sent Prefixes] (tBgpPeerNgOperMvpnV4SentPfxs)	long	The value of tBgpPeerNgOperMvpnV4SentPfxs indicates the number of MVPN IPv4 prefixes transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.

Table 317 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 317 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vprnlpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVprnlpv6ActivePfxs)	long	The value of tBgpPeerNgOperVprnlpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vprnlpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVprnlpv6RecvPfxs)	long	The value of tBgpPeerNgOperVprnlpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.
vprnlpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVprnlpv6SentPfxs)	long	The value of tBgpPeerNgOperVprnlpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vprnlpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVprnlpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVprnlpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 318 bundle statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BundleStats</p> <p>MIB entry name: tmnxBundleEntry</p> <p>Entry description: Each row entry represents a multilink bundle on a MDA. Entries can be created and deleted via SNMP SET operations using the tmnxBundleRowStatus object. The tmnxBundleBundleID will contain the bundle number encoded in it. The bundle number is unique for a MDA. For each tmnxBundleEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for tmnxBundleTable): The tmnxBundleTable has an entry for a bundle created on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.Interface</p>		
inputDiscards [Input Discards] (tmnxBundleInputDiscards)	long	tmnxBundleInputDiscards indicates the number of LCP packets that were discarded. This object is only supported for a tmnxBundleType value of mlppp.
upTime [Up Time] (tmnxBundleUpTime)	long	tmnxBundleUpTime indicates the time since the bundle is operationally 'inService'.
<p>MultiClassMlpppStats</p> <p>MIB entry name: tmnxMcMlpppStatsEntry</p> <p>Entry description: Defines an entry in tmnxMcMlpppStatsTable. Entries are created and deleted by the system depending on the number of classes being used by a given MLPPP bundle.</p> <p>Table description (for tmnxMcMlpppStatsTable): Defines the Nokia SROS series Multiclass MLPPP statistics table for providing the capability of retrieving the traffic statistics for the physical queues being used for a class of a multiclass MLPPP bundle to forward the traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.MultiClassMlpppSpecifics</p>		

Table 318 bundle statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcMlpppStatsEgressErrPkt [Mc Mlppp Stats Egress Err Pkt] (tmnxMcMlpppStatsEgressErrPkt)	long	The value of tmnxMcMlpppStatsEgressErrPkt indicates the total number of packets discarded due to segmentation errors on the bundle for the given class on egress.
mcMlpppStatsEgressOct [Mc Mlppp Stats Egress Oct] (tmnxMcMlpppStatsEgressOct)	long	The value of tmnxMcMlpppStatsEgressOct indicates the total number of octets in all packets received on the bundle for the given class on egress before segmentation.
mcMlpppStatsEgressPkt [Mc Mlppp Stats Egress Pkt] (tmnxMcMlpppStatsEgressPkt)	long	The value of tmnxMcMlpppStatsEgressPkt indicates the total number of packets forwarded on the bundle for the given class on egress towards the line.
mcMlpppStatsIngressErrPkt [Mc Mlppp Stats Ingress Err Pkt] (tmnxMcMlpppStatsIngressErrPkt)	long	The value of tmnxMcMlpppStatsIngressErrPkt indicates the total number of packets discarded due to reassembly errors on the bundle for the given class on ingress.
mcMlpppStatsIngressOct [Mc Mlppp Stats Ingress Oct] (tmnxMcMlpppStatsIngressOct)	long	The value of tmnxMcMlpppStatsIngressOct indicates the total number of octets in all packets received on the bundle for the given class on ingress before reassembly.
mcMlpppStatsIngressPkt [Mc Mlppp Stats Ingress Pkt] (tmnxMcMlpppStatsIngressPkt)	long	The value of tmnxMcMlpppStatsIngressPkt indicates the total number of packets forwarded on the bundle for the given class on ingress towards higher layer protocols.

Table 319 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcp6ServerPoolStats</p> <p>MIB entry name: tmnxDhcpsPoolStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPoolStats6Table represents additional columns of operational data for a pool that belongs to the specified DHCPv6 server instance. The value of these columns is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.</p> <p>Table description (for tmnxDhcpsPoolStats6Table): The tmnxDhcpsPoolStats6Table has an entry for each pool that belongs to the specified DHCPv6 server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Address6Pool</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpsPoolStats6Advertise)	long	The value of tmnxDhcpsPoolStats6Advertise indicates the number of local leases in this pool that are in state 'advertised'.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpsPoolStats6HasExt)	boolean	The value of tmnxDhcpsPoolStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.
freeBlocks [Free Blocks] (tmnxDhcpsPoolStats6FreeBlk)	java.math.BigInteger	The value of tmnxDhcpsPoolStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpsPoolStats6AdvertP)	long	The value of tmnxDhcpsPoolStats6AdvertP indicates the highest value of tmnxDhcpsPoolStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPctP)	int	The value of tmnxDhcpsPoolStats6UsedPctP indicates the highest value of tmnxDhcpsPoolStats6UsedPct since the last reset of the extended statistics.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValRemoteAdvertisedLeases [Highest Val Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertP)	long	The value of tmnxDhcpsPoolStats6FoAdvertP indicates the highest value of tmnxDhcpsPoolStats6FoAdvertise since the last reset of the extended statistics.
highestValRemotePctBlocksInUse [Highest Val Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPctP)	int	The value of tmnxDhcpsPoolStats6FoUsedPctP indicates the highest value of tmnxDhcpsPoolStats6FoUsedPct since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpsPoolStats6FoStableP)	long	The value of tmnxDhcpsPoolStats6FoStableP indicates the highest value of tmnxDhcpsPoolStats6FoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpsPoolStats6StableP)	long	The value of tmnxDhcpsPoolStats6StableP indicates the highest value of tmnxDhcpsPoolStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpsPoolStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FreeBlk since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpsPoolStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6UsedBlk since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePctP)	int	The value of tmnxDhcpsPoolStats6FreePctP indicates the lowest value of tmnxDhcpsPoolStats6FreePct since the last reset of the extended statistics.
lowestValRemoteFreeBlocks [Lowest Val Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoFreeBlk since the last reset of the extended statistics.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemotePctBlocksUnused [Lowest Val Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePctP)	int	The value of tmnxDhcpsPoolStats6FoFreePctP indicates the lowest value of tmnxDhcpsPoolStats6FoFreePct since the last reset of the extended statistics.
lowestValRemoteUnusedBlocks [Lowest Val Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoUsedBlk since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPct)	int	The value of tmnxDhcpsPoolStats6UsedPct indicates the percentage of /64 blocks currently in use.
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePct)	int	The value of tmnxDhcpsPoolStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpsPoolStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6ProvBlk indicates the number of provisioned /64 blocks.
remoteAdvertisedLeases [Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertise)	long	The value of tmnxDhcpsPoolStats6FoAdvertise indicates the number of remote leases in this pool that are in state 'advertised'.
remoteFreeBlocks [Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlk indicates the remote number of provisioned but unused /64 blocks.
remotePctBlocksInUse [Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPct)	int	The value of tmnxDhcpsPoolStats6FoUsedPct indicates the percentage of remote /64 blocks currently in use.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remotePctBlocksUnused [Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePct)	int	The value of tmnxDhcpsPoolStats6FoFreePct indicates the percentage of remote /64 blocks currently unused.
remoteProvisionedBlocks [Remote Provisioned Blocks] (tmnxDhcpsPoolStats6FoProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoProvBlk indicates the remote number of provisioned /64 blocks.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpsPoolStats6FoStable)	long	The value of tmnxDhcpsPoolStats6FoStable indicates the number of remote leases in this pool that are in state 'stable'.
remoteUnusedBlocks [Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlk indicates the remote number of provisioned but unused /64 blocks.
slaacPrefixInternalRequests [Slaac Prefix Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxSlaa)	long	The value of tmnxDhcpsPoolStats6IntNoPfxSlaa indicates the number of times the following event occurred: an internal request for a SLAAC prefix (IA_PD (Identity Association for Prefix Delegation)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
stableLeases [Stable Leases] (tmnxDhcpsPoolStats6Stable)	long	The value of tmnxDhcpsPoolStats6Stable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpsPoolStats6ExtResetT)	long	The value of tmnxDhcpsPoolStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpsPoolStats6AdvertPT)	long	The value of tmnxDhcpsPoolStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6AdvertPT.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpsPoolStats6FreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FreeBlkP.
timeSinceLastRemoteAdvertisedLeases [Time Since Last Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertPT)	long	The value of tmnxDhcpsPoolStats6FoAdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoAdvertP.
timeSinceLastRemoteFreeBlocks [Time Since Last Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FoFreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoFreeBlkP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpsPoolStats6FoStablePT)	long	The value of tmnxDhcpsPoolStats6FoStablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoStableP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpsPoolStats6StablePT)	long	The value of tmnxDhcpsPoolStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6StableP.
unusedBlocks [Unused Blocks] (tmnxDhcpsPoolStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlk indicates the number of provisioned but unused /64 blocks.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wanAddressInternalRequests [Wan Address Internal Requests] (tmnxDhcpSvrSubnetStats6IntNoPfxWan)	long	The value of tmnxDhcpSvrSubnetStats6IntNoPfxWan indicates the number of times the following event occurred: an internal request for a WAN address (IA_NA (Identity association for non-temporary addresses)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
<p>LocalDhcp6ServerPrefixStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStats6Table represents additional columns of operational data for a subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStats6Table): The tmnxDhcpSvrSubnetStats6Table has an entry for each subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Dhcp6AddressPrefix</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpSvrSubnetStats6Advertise)	long	The value of tmnxDhcpSvrSubnetStats6Advertise indicates the number of leases in this subnet that are in state 'advertised'.
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStats6Declined)	long	The value of tmnxDhcpSvrSubnetStats6Declined indicates the number of addresses in this subnet that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrSubnetStats6HasExt)	boolean	The value of tmnxDhcpSvrSubnetStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
freeBlocks [Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertP)	long	The value of tmnxDhcpSvrSubnetStats6AdvertP indicates the highest value of tmnxDhcpSvrSubnetStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctP)	int	The value of tmnxDhcpSvrSubnetStats6UsedPctP indicates the highest value of tmnxDhcpSvrSubnetStats6UsedPct since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStats6StableP)	long	The value of tmnxDhcpSvrSubnetStats6StableP indicates the highest value of tmnxDhcpSvrSubnetStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctP)	int	The value of tmnxDhcpSvrSubnetStats6FreePctP indicates the lowest value of tmnxDhcpSvrSubnetStats6FreePct since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPct)	int	The value of tmnxDhcpSvrSubnetStats6UsedPct indicates the percentage of /64 blocks currently in use.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePct)	int	The value of tmnxDhcpSvrSubnetStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpSvrSubnetStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6ProvBlk indicates the number of provisioned /64 blocks.
reconfigurePendingLeases [Reconfigure Pending Leases] (tmnxDhcpSvrSubnetStats6RCPending)	long	The value of tmnxDhcpSvrSubnetStats6RCPending indicates the number of leases in this subnet that are in state 'reconfigurePending'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStats6RmPending)	long	The value of tmnxDhcpSvrSubnetStats6RmPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStats6Stable)	long	The value of tmnxDhcpSvrSubnetStats6Stable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStats6ExtResetT)	long	The value of tmnxDhcpSvrSubnetStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertPT)	long	The value of tmnxDhcpSvrSubnetStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6AdvertP.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreeBlkP.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctBlocksInUse [Time Since Last Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedPctP.
timeSinceLastPctBlocksUnused [Time Since Last Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctPT)	long	The value of tmnxDhcpSvrSubnetStats6FreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreePctP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStats6StablePT)	long	The value of tmnxDhcpSvrSubnetStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6StableP.
timeSinceLastUnusedBlocks [Time Since Last Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedBlkP.
unusedBlocks [Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlk indicates the number of provisioned but unused /64 blocks.
<p>LocalDhcp6ServerStats MIB entry name: tmnxDhcpServerStats6Entry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStats6Table): The tmnxDhcpServerStats6Table contains basic statistics about the DHCPv6 server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcp6Server</p>		
clientIgnoredOffers [Client Ignored Offers] (tmnxDhcpSvrStats6OffersIgnore)	long	The value of tmnxDhcpSvrStats6OffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedBadPacket [Dropped Bad Packet] (tmnxDhcpSvrStats6DropBadPackets)	long	The value of tmnxDhcpSvrStats6DropBadPackets indicates the number of DHCP packets received which were corrupt.
droppedDestinedToOther [Dropped Destined To Other] (tmnxDhcpSvrStats6DropDestOther)	long	The value of tmnxDhcpSvrStats6DropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
droppedGenericError [Dropped Generic Error] (tmnxDhcpSvrStats6DropGenError)	long	The value of tmnxDhcpSvrStats6DropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
droppedInternalConflicts [Dropped Internal Conflicts] (tmnxDhcpSvrStats6DropIntWConflct)	long	The value of tmnxDhcpSvrStats6DropIntWConflct indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.
droppedInternalFailover [Dropped Internal Failover] (tmnxDhcpSvrStats6DropIntWFO)	long	The value of tmnxDhcpSvrStats6DropIntWFO indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
droppedInternalIntIdMap [Dropped Internal Int Id Map] (tmnxDhcpSvrStats6DropIntWIfldMap)	long	The value of tmnxDhcpSvrStats6DropIntWFO indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because interface ID mapping is enabled for the server instance.
droppedInternalUserIdent [Dropped Internal User Ident] (tmnxDhcpSvrStats6DropIntWUserld)	long	The value of tmnxDhcpSvrStats6DropIntWFO indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because tmnxDhcpServerCfgUserIdent is not set to duid (2) for the server instance.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInvalidType [Dropped Invalid Type] (tmnxDhcpSvrStats6DropInvlTypes)	long	The value of tmnxDhcpSvrStats6DropInvlTypes indicates the number of DHCP packets received which had an invalid message type.
droppedLeaseNotReady [Dropped Lease Not Ready] (tmnxDhcpSvrStats6DropLseNotReady)	long	The value of tmnxDhcpSvrStats6DropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
droppedMaxLeasesReached [Dropped Max Leases Reached] (tmnxDhcpSvrStats6DropMaxReached)	long	The value of tmnxDhcpSvrStats6DropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
droppedNotServingPool [Dropped Not Serving Pool] (tmnxDhcpSvrStats6DropNoSrvngPool)	long	The value of tmnxDhcpSvrStats6DropNoSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
droppedOverload [Dropped Overload] (tmnxDhcpSvrStats6DropOverload)	long	The value of tmnxDhcpSvrStats6DropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
droppedPersistenceOverload [Dropped Persistence Overload] (tmnxDhcpSvrStats6DropPerOverload)	long	The value of tmnxDhcpSvrStats6DropPerOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
droppedServerShutdown [Dropped Server Shutdown] (tmnxDhcpSvrStats6DropSvrDown)	long	The value of tmnxDhcpSvrStats6DropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicateRequestDropped [Duplicate Request Dropped] (tmnxDhcpSvrStats6DropDuplDiffRly)	long	The value of tmnxDhcpSvrStats6DropDuplDiffRly indicates the number of DHCP requests dropped by the server instance because they were received from a different Relay IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
leasesTimedOut [Leases Timed Out] (tmnxDhcpSvrStats6LeasesExpired)	long	The value of tmnxDhcpSvrStats6LeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
receivedConfirmPackets [Received Confirm Packets] (tmnxDhcpSvrStats6RxConfirms)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxConfirms indicates the number of confirm messages received by the DHCP server instance.
receivedDeclinePackets [Received Decline Packets] (tmnxDhcpSvrStats6RxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxDeclines indicates the number of decline messages received by the DHCP server instance.
receivedInformationRequestPackets [Received Information Request Packets] (tmnxDhcpSvrStats6RxInfRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxInfRequests indicates the number of information-request messages received by the DHCP server instance.
receivedIntIpoeWanRequests [Received Int Ipoe Wan Requests] (tmnxDhcpSvrStats6RxIntReqIpoeWan)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReqIpoeWan indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE.
receivedIntPppSlaacRequests [Received Int Ppp Slaac Requests] (tmnxDhcpSvrStats6RxIntPppSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntPppSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for PPP SLAAC (stateless autoconfiguration).

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedInternalReleases [Received Internal Releases] (tmnxDhcpSvrStats6RxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.
receivedRebindPackets [Received Rebind Packets] (tmnxDhcpSvrStats6RxRebinds)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRebinds indicates the number of rebind messages received by the DHCP server instance.
receivedReleasePackets [Received Release Packets] (tmnxDhcpSvrStats6RxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxReleases indicates the number of release messages received by the DHCP server instance.
receivedRenewPackets [Received Renew Packets] (tmnxDhcpSvrStats6RxRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRenews indicates the number of renew messages received by the DHCP server instance.
receivedRequestPackets [Received Request Packets] (tmnxDhcpSvrStats6RxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of request messages received by the DHCP server instance.
receivedSolicitPackets [Received Solicit Packets] (tmnxDhcpSvrStats6RxSolicits)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxSolicits indicates the number of solicit messages received by the DHCP server instance.
sentAdvertisePackets [Sent Advertise Packets] (tmnxDhcpSvrStats6TxAdvertises)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of advertise messages sent by the DHCP server instance.
sentReconfigurePackets [Sent Reconfigure Packets] (tmnxDhcpSvrStats6TxReconfigures)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReconfigures indicates the number of reconfigure messages sent by the DHCP server instance.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sentReplyPackets [Sent Reply Packets] (tmnxDhcpSvrStats6TxReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReplies indicates the number of reply messages sent by the DHCP server instance.
<p>LocalDhcpServerStats MIB entry name: tmnxDhcpServerStatsEntry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServer</p>		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUseGiAddress was disabled.
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllow)	long	The value of tmnxDhcpSvrStatsDropUserNotAllow indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		

Table 319 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.

Table 320 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessPortControlStats</p> <p>MIB entry name: aluPortCtlStatsEntry</p> <p>Entry description: Defines an entry in aluPortCtlStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortCtlStatsTable): Defines the Nokia SAR series port control statistics table for providing, via SNMP, the capability of retrieving the detailed control packet statistics for ports in access modes. This table is not applicable to ports in network or hybrid mode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
accessCtlEgressDroOcts [Access Ctl Egress Dro Octs] (aluPortAccessCtlEgrDroOcts)	java. math. BigInteger	aluPortAccessCtlEgrDroOcts indicates the number of CTL octets that get dropped on access port egress .
accessCtlEgressDroPkts [Access Ctl Egress Dro Pkts] (aluPortAccessCtlEgrDroPkts)	java. math. BigInteger	aluPortAccessCtlEgrDroPkts indicates the number of CTL packets that get dropped on access port egress .
accessCtlEgressFwdOcts [Access Ctl Egress Fwd Octs] (aluPortAccessCtlEgrFwdOcts)	java. math. BigInteger	aluPortAccessCtlEgrFwdOcts indicates the number of CTL octets that get forwarded on access port egress .
accessCtlIngressDroOcts [Access Ctl Ingress Dro Octs] (aluPortAccessCtlInDroOcts)	java. math. BigInteger	aluPortAccessCtlInDroOcts indicates the number of CTL octets that get dropped on access port ingress .
accessCtlIngressDroPkts [Access Ctl Ingress Dro Pkts] (aluPortAccessCtlInDroPkts)	java. math. BigInteger	aluPortAccessCtlInDroPkts indicates the number of CTL packets that get dropped on access port ingress .

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accessCtlIngressFwdOcts [Access Ctl Ingress Fwd Octs] (aluPortAccessCtlInFwdOcts)	java. math. BigInteger	aluPortAccessCtlInFwdOcts indicates the number of CTL octets that get forwarded on access port ingress .
accessCtlIngressFwdPkts [Access Ctl Ingress Fwd Pkts] (aluPortAccessCtlInFwdPkts)	java. math. BigInteger	aluPortAccessCtlInFwdPkts indicates the number of CTL packets that get forwarded on access port ingress .
accessCtlEgressFwdPkts [Access Ctl Egress Fwd Pkts] (aluPortAccessCtlEgrFwdPkts)	java. math. BigInteger	aluPortAccessCtlEgrFwdPkts indicates the number of CTL packets that get forwarded on access port egress .
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.
<p>CiscoHDLCStats MIB entry name: tmnxCiscoHDLCStatsEntry Entry description: An entry in the tmnxCiscoHDLCStatsTable. Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel </p>		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DetailedPacketDiscardStats</p> <p>MIB entry name: aluPortDiscardsStatsEntry</p> <p>Entry description: Defines an entry in aluPortDiscardStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortDiscardStatsTable): Defines the Nokia SAR series port packet discard statistics table for providing, via SNMP, the capability of retrieving the detailed packet discard statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort • tdmequipment.DS0ChannelGroup 		
inCsmQHiPriDiscards [In Csm QHi Pri Discards] (aluPortInCsmQHiPriDiscards)	java. math. BigInteger	aluPortInCsmQHiPriDiscards indicates the number of packets discarded in the Ingress CSM High Priority Queue.
inCsmQLowPriDiscards [In Csm QLow Pri Discards] (aluPortInCsmQLowPriDiscards)	java. math. BigInteger	aluPortInCsmQLowPriDiscards indicates the number of packets discarded in the Ingress CSM Low Priority Queue.
inCsmQMediumPriDiscards [In Csm QMedium Pri Discards] (aluPortInCsmQMediumPriDiscards)	java. math. BigInteger	aluPortInCsmQMediumPriDiscards indicates the number of packets discarded in the Ingress CSM Medium Priority Queue.
inHdlcCrcDiscards [In Hdlc Crc Discards] (aluPortInHdlcCrcDiscards)	java. math. BigInteger	aluPortInHdlcCrcDiscards indicates the number of packets discarded due to the HDLC frame containing a CRC error. This statistic is only applicable to interfaces that have an encapsulation type of PPP-AUTO.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inIPAddrProtoDiscards [In IPAddr Proto Discards] (aluPortInIPAddrProtoDiscards)	java. math. BigInteger	aluPortInIPAddrProtoDiscards indicates the number of packets discarded that contained an invalid IP address or unsupported IP protocol.
inL2AddrProtoDiscards [In L2 Addr Proto Discards] (aluPortInL2AddrProtoDiscards)	java. math. BigInteger	aluPortInL2AddrProtoDiscards indicates the number of packets discarded that contained an unsupported type/protocol or unknown address at layer 2.
inMPLSLabelDiscards [In MPLSLabel Discards] (aluPortInMPLSLabelDiscards)	java. math. BigInteger	aluPortInMPLSLabelDiscards indicates the number of packets discarded that contained unknown mpls outer tunnels, unknown inner label or more than two unsupported labels.
inOtherDiscards [In Other Discards] (aluPortInOtherDiscards)	java. math. BigInteger	aluPortInOtherDiscards indicates the number of packets discarded at ingress for other reasons during processing.
outCsmQDiscards [Out Csm QDiscards] (aluPortOutCsmQDiscards)	java. math. BigInteger	aluPortOutCsmQDiscards indicates the number of packets discarded in the Egress CSM Queue.
outOtherDiscards [Out Other Discards] (aluPortOutOtherDiscards)	java. math. BigInteger	aluPortOutOtherDiscards indicates the number of packets discarded at egress for other reasons during processing.
outPortMtuDiscards [Out Port Mtu Discards] (aluPortOutPortMtuDiscards)	java. math. BigInteger	aluPortOutPortMtuDiscards indicates the number of packets discarded at egress due to the packet exceeding the configured port mtu.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FabricDeviceStats</p> <p>MIB entry name: aluFabricDeviceStatsEntry</p> <p>Entry description: An entry in the aluFabricDeviceStatsTable contains stats collected from fabric device itself, either traffic to a specific fabric port designated to an MDA, or global total traffic egress from the fabric device. aluFabricDeviceStatsIndex indicates the MDA number for the fabric port stats or 0 for global stats. Fabric Stats are not available on Nokia SAR-M platform, therefore all objects of aluFabricDeviceStatsEntry are set to 0.</p> <p>Table description (for aluFabricDeviceStatsTable): This table contains statistics collected from Fabric Device of the Nokia 7705 system</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.DaughterCardSlot • equipment.SystemStatsHolder 		
fabricDeviceStatsDroOcts [Fabric Device Stats Dro Octs] (aluFabricDeviceStatsDroOcts)	java. math. BigInteger	aluFabricDeviceStatsDroOcts indicates the number of octets from dropped packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsDroOcts indicates the total octets of all dropped packets at the fabric. aluFabricDeviceStatsDroOcts is not available on SAR-8 system, and is set to 0 in these cases.
fabricDeviceStatsDroPkts [Fabric Device Stats Dro Pkts] (aluFabricDeviceStatsDroPkts)	java. math. BigInteger	aluFabricDeviceStatsDroPkts indicates the number of dropped packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsDroPkts indicates the total of all dropped packets at the fabric.
fabricDeviceStatsFwdOcts [Fabric Device Stats Fwd Octs] (aluFabricDeviceStatsFwdOcts)	java. math. BigInteger	aluFabricDeviceStatsFwdOcts indicates the number of forwarded octets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsFwdOcts indicates the total octets forwarded by the fabric. aluFabricDeviceStatsFwdOcts is not available for global counter entry on SAR-8 system, and it is set to 0 in these cases.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fabricDeviceStatsFwdPkts [Fabric Device Stats Fwd Pkts] (aluFabricDeviceStatsFwdPkts)	java. math. BigInteger	aluFabricDeviceStatsFwdPkts indicates the number of forwarded packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsFwdPkts indicates the total of all forwarded packets from the fabric.
fabricDeviceStatsIndex [Fabric Device Stats Index] (aluFabricDeviceStatsIndex)	long	<p>aluFabricDeviceStatsIndex serves as the index that uniquely identify the fabric device counter. R2.x and R3.x of Nokia 7705 support two entries of fabric device counters as followed: 1) Entry with aluFabricDeviceStatsIndex = 0 is a global device counter which counts all egress traffic from the fabric. This is the sum of all fabric port traffic, including ports to all MDAs and ports to any other intalled cards such as inactive CSM. 2) Entry with aluFabricDeviceStatsIndex = 1 is a fabric port counter which counts all egress traffic toward the MDA that has aluExtTmnxMDAFabricStatsEnabled being TRUE in AluExtTmnxMDAEntry. Starting with R4.0, Nokia 7705 system supports multiple fabric port counters. One entry for each MDA, plus one entry for the global counters.</p> <p>aluFabricDeviceStatsIndex is numbered as followed: - Entry with aluFabricDeviceStatsIndex = 0 is a global device counter which counts all egress traffic from the fabric. This is the sum of all fabric port traffic, including ports to all MDAs and ports to any other intalled cards such as inactive CSM. - Otherwise aluFabricDeviceStatsIndex > 0 indicates the MDA slot number tmnxMDASlotNum. These entries contain fabric port counters of egress traffic from the fabric device to the MDA with slot number specified by aluFabricDeviceStatsIndex.</p> <p>aluExtTmnxMDAFabricStatsEnabled must be TRUE on the MDA for the stats to be valid. If aluExtTmnxMDAFabricStatsEnabled is FALSE, all stats in the entry are set to 0. Starting with release 7.0 Nokia 7705 uses entry with aluFabricDeviceStatsIndex = 0xff = 255 to contain counts of all firewall security traffic egress from the fabric.</p>

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fabricDeviceStatsMcastFwdPkts [Fabric Device Stats Mcast Fwd Pkts] (aluFabricDeviceStatsMcastFwdPkts)	java. math. BigInteger	aluFabricDeviceStatsMcastFwdPkts indicates the number of forwarded multicast packets (multipoint/broadcast/unknown traffic) from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsMcastFwdPkts indicates the total of all forwarded multicast packets from the fabric to all MDAs.
fabricDeviceStatsUcastFwdPkts [Fabric Device Stats Ucast Fwd Pkts] (aluFabricDeviceStatsUcastFwdPkts)	java. math. BigInteger	aluFabricDeviceStatsUcastFwdPkts indicates the number of forwarded unicast packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsUcastFwdPkts indicates the total of all forwarded unicast packets from the fabric.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
<p>GponPortSpecificsStats MIB entry name: aluGponPortCurrentEntry Entry description: Defines an entry in aluGponPortCurrentTable. Entries are created and deleted by the system depending on port configuration. Table description (for aluGponPortCurrentTable): The aluGponPortCurrentTable contains various statistics being collected from the ONT for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
alignmentErr [Alignment Err] (aluGponPortCurrentAEs)	long	A count of frames having Alignment Errors.
badHeaders [Bad Headers] (aluGponPortCurrentBadHeaders)	long	A count of Received GEM Headers that are bad.
carrierSenseErr [Carrier Sense Err] (aluGponPortCurrentCSEs)	long	A count of Carrier Sense Errors.
deferredTx [Deferred Tx] (aluGponPortCurrentDTs)	long	A count of frames delayed due to Deferred Transmission.
dropFramesDn [Drop Frames Dn] (aluGponPortCurrentDropFrsDn)	long	A count of Dropped Frames Downstream.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropFramesUp [Drop Frames Up] (aluGponPortCurrentDropFrsUp)	long	A count of Dropped Frames Upstream.
excessiveCollisions [Excessive Collisions] (aluGponPortCurrentECs)	long	A count of Excessive Collisions.
fcsErrors [Fcs Errors] (aluGponPortCurrentFCSEs)	long	A count of Frame Check Sequence(FCS)Errors.
internalMacRxErr [Internal Mac Rx Err] (aluGponPortCurrentIMREs)	long	A count of unsuccessfully received frames due to Internal MAC Receive Error.
internalMacTxErr [Internal Mac Tx Err] (aluGponPortCurrentIMTEs)	long	A count of unsuccessfully transmitted frames due to Internal MAC Transmit Error.
lateCollisions [Late Collisions] (aluGponPortCurrentLCs)	long	A count of Late Collisions.
lostFrgsDn [Lost Frags Dn] (aluGponPortCurrentLostFrgsDn)	long	A count of Lost GEM Fragments (downstream).
lostFrgsUp [Lost Frags Up] (aluGponPortCurrentLostFrgsUp)	long	A count of Lost GEM Fragments (upstream).
multipleCollisionFrames [Multiple Collision Frames] (aluGponPortCurrentMCFs)	long	A count of successfully transmitted Multiple Collision Frames.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBufferOverflows [Rx Buffer Overflows] (aluGponPortCurrentRBOs)	long	A count of Receive Buffer Overflows.
rxEtherBytes [Rx Ether Bytes] (aluGponPortCurrentRxBytes)	long	A count of Received Ethernet Bytes.
rxEtherFrames [Rx Ether Frames] (aluGponPortCurrentRxFrames)	long	A count of Received Ethernet Frames.
rxFramesMcast [Rx Frames Mcast] (aluGponPortCurrentRxFrmsMcast)	long	A count of Received Multicast Ethernet Frames.
rxGemBlocks [Rx Gem Blocks] (aluGponPortCurrentRxBlocks)	long	A count of Received GEM Blocks.
rxGemFrag [Rx Gem Frags] (aluGponPortCurrentRxFrags)	long	A count of Received GEM Fragments.
singleCollisionFrames [Single Collision Frames] (aluGponPortCurrentSCFs)	long	A count of successfully transmitted Single Collision Frames.
sqeTestErrMsg [Sqe Test Err Msg] (aluGponPortCurrentSQEs)	long	A count of SQE Test Error messages generated.
tooLongFrames [Too Long Frames] (aluGponPortCurrentFTLs)	long	A count of Frames that are Too Long.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBufferOverflows [Tx Buffer Overflows] (aluGponPortCurrentTBOs)	long	A count of Transmit Buffer Overflows.
txEtherBytes [Tx Ether Bytes] (aluGponPortCurrentTxBytes)	long	A count of Transmitted Ethernet Bytes.
txEtherFrames [Tx Ether Frames] (aluGponPortCurrentTxFrames)	long	A count of Transmitted Ethernet Frames.
txFramesMcast [Tx Frames Mcast] (aluGponPortCurrentTxFrsMcast)	long	A count of Transmitted Multicast Ethernet Frames.
txGemBlocks [Tx Gem Blocks] (aluGponPortCurrentTxBlocks)	long	A count of Transmitted GEM Blocks.
txGemFrag [Tx Gem Frags] (aluGponPortCurrentTxFrag)	long	A count of Transmitted GEM Fragments.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPoli- cyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
IpSecQueueCtlStats MIB entry name: aluIPsecCtrlQueueStatsEntry Entry description: Each row entry contains statistics collected from IPsec encryption Control Queue for a specific MDA. Table description (for aluIPsecCtrlQueueStatsTable): This table contains statistics collected from IPsec encryption Control Queues of a specific MDA in the Nokia 7705 system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
encryptionCtrlQueueDroppedBytes [Encryption Ctrl Queue Dropped Bytes] (aluIPsecCtrlQueueDroBytes)	java. math. BigInteger	aluIPsecCtrlQueueDroBytes indicates the number of bytes dropped from this control queue.
encryptionCtrlQueueDroppedPackets [Encryption Ctrl Queue Dropped Packets] (aluIPsecCtrlQueueDroPkts)	java. math. BigInteger	aluIPsecCtrlQueueDroPkts indicates the number of packets dropped from this control queue.
encryptionCtrlQueueFwdBytes [Encryption Ctrl Queue Fwd Bytes] (aluIPsecCtrlQueueFwdBytes)	java. math. BigInteger	aluIPsecCtrlQueueFwdBytes indicates the number of bytes forwarded from this control queue.
encryptionCtrlQueueFwdPackets [Encryption Ctrl Queue Fwd Packets] (aluIPsecCtrlQueueFwdPkts)	java. math. BigInteger	aluIPsecCtrlQueueFwdPkts indicates the number of packets forwarded from this control queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpSecQueueStats MIB entry name: aluSecQueueStatsEntry Entry description: Each row entry contains security statistics for an MDA. Table description (for aluSecQueueStatsTable): This table contains statistics collected from security queues of a specific MDA in the Nokia 7705 system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot</p>		
deryptionHiPriorityDroppedBytes [Decryption Hi Priority Dropped Bytes] (aluSecQueueDroHiPrioBytes)	java. math. BigInteger	aluSecQueueDroLowPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security bytes dropped from this queue.
deryptionHiPriorityDroppedPackets [Decryption Hi Priority Dropped Packets] (aluSecQueueDroHiPrioPkts)	java. math. BigInteger	aluSecQueueDroHiPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security packets dropped from this queue.
deryptionHiPriorityForwardedBytes [Decryption Hi Priority Forwarded Bytes] (aluSecQueueFwdHiPrioBytes)	java. math. BigInteger	aluSecQueueFwdHiPrioBytes is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security bytes forwarded from this queue.
deryptionHiPriorityForwardedPackets [Decryption Hi Priority Forwarded Packets] (aluSecQueueFwdHiPrioPkts)	java. math. BigInteger	aluSecQueueFwdHiPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security packets forwarded from this queue..
deryptionLowPriorityDroppedBytes [Decryption Low Priority Dropped Bytes] (aluSecQueueDroLowPrioBytes)	java. math. BigInteger	aluSecQueueDroLowPrioBytes is only applicable and valid if aluSecQueueMode is priority. It indicates the number of low priority security bytes dropped from this queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
decryptionLowPriorityDroppedPackets [Decryption Low Priority Dropped Packets] (aluSecQueueDroLowPrioPkts)	java. math. BigInteger	aluSecQueueDroLowPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of low priority security packets dropped from this queue.
decryptionLowPriorityForwardedBytes [Decryption Low Priority Forwarded Bytes] (aluSecQueueFwdLowPrioBytes)	java. math. BigInteger	aluSecQueueFwdLowPrioBytes is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security bytes forwarded from this queue.
decryptionLowPriorityForwardedPackets [Decryption Low Priority Forwarded Packets] (aluSecQueueFwdLowPrioPkts)	java. math. BigInteger	aluSecQueueFwdLowPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of low priority security packets forwarded from this queue.
encryptionInProfileDroppedBytes [Encryption In Profile Dropped Bytes] (aluSecQueueDroInProfBytes)	java. math. BigInteger	aluSecQueueDroInProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security bytes dropped from this queue.
encryptionInProfileDroppedPackets [Encryption In Profile Dropped Packets] (aluSecQueueDroInProfPkts)	java. math. BigInteger	aluSecQueueDroInProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security packets dropped from this queue.
encryptionInProfileForwardedBytes [Encryption In Profile Forwarded Bytes] (aluSecQueueFwdInProfBytes)	java. math. BigInteger	aluSecQueueFwdInProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security bytes forwarded from this queue.
encryptionInProfileForwardedPackets [Encryption In Profile Forwarded Packets] (aluSecQueueFwdInProfPkts)	java. math. BigInteger	aluSecQueueFwdInProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security packets forwarded from this queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptionOutProfileDroppedBytes [Encryption Out Profile Dropped Bytes] (aluSecQueueDroOutProfBytes)	java. math. BigInteger	aluSecQueueDroOutProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security bytes dropped from this queue.
encryptionOutProfileDroppedPackets [Encryption Out Profile Dropped Packets] (aluSecQueueDroOutProfPkts)	java. math. BigInteger	aluSecQueueDroInProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security packets dropped from this queue.
encryptionOutProfileForwardedBytes [Encryption Out Profile Forwarded Bytes] (aluSecQueueFwdOutProfBytes)	java. math. BigInteger	aluSecQueueFwdOutProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security bytes forwarded from this queue.
encryptionOutProfileForwardedPackets [Encryption Out Profile Forwarded Packets] (aluSecQueueFwdOutProfPkts)	java. math. BigInteger	aluSecQueueFwdOutProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security packets forwarded from this queue.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHighCapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUCastHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorQueueStats</p> <p>MIB entry name: aluMirrorQueueStatsEntry</p> <p>Entry description: Each row entry contains mirror queue statistics for an MDA.</p> <p>Table description (for aluMirrorQueueStatsTable): This table contains statistics collected from queues for mirror traffic of a specific MDA in the Nokia 7705 system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCardSlot</p>		
inProfileDroppedBytes [In Profile Dropped Bytes] (aluMirrorQueueDroInProfBytes)	java. math. BigInteger	aluMirrorQueueDroInProfBytes indicates the number of in-profile bytes dropped from this queue.
inProfileDroppedPackets [In Profile Dropped Packets] (aluMirrorQueueDroInProfPkts)	java. math. BigInteger	aluMirrorQueueDroInProfPkts indicates the number of in-profile packets dropped from this queue.
inProfileForwardedBytes [In Profile Forwarded Bytes] (aluMirrorQueueFwdInProfBytes)	java. math. BigInteger	aluMirrorQueueFwdInProfBytes indicates the number of in-profile bytes forwarded from this queue.
inProfileForwardedPackets [In Profile Forwarded Packets] (aluMirrorQueueFwdInProfPkts)	java. math. BigInteger	aluMirrorQueueFwdInProfPkts indicates the number of in-profile packets forwarded from this queue.
outProfileDroppedBytes [Out Profile Dropped Bytes] (aluMirrorQueueDroOutProfBytes)	java. math. BigInteger	aluMirrorQueueDroOutProfBytes indicates the number of out-profile bytes dropped from this queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outProfileDroppedPackets [Out Profile Dropped Packets] (aluMirrorQueueDroOutProfPkts)	java. math. BigInteger	aluMirrorQueueDroInProfPkts indicates the number of out-profile packets dropped from this queue.
outProfileForwardedBytes [Out Profile Forwarded Bytes] (aluMirrorQueueFwdOutProfBytes)	java. math. BigInteger	aluMirrorQueueFwdOutProfBytes indicates the number of out-profile bytes forwarded from this queue.
outProfileForwardedPackets [Out Profile Forwarded Packets] (aluMirrorQueueFwdOutProfPkts)	java. math. BigInteger	aluMirrorQueueFwdOutProfPkts indicates the number of out-profile packets forwarded from this queue.
<p>NetworkPortEgressControlStats</p> <p>MIB entry name: aluPortNetEgressControlStatsEntry</p> <p>Entry description: Defines an entry in aluPortNetEgressControlStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortNetEgressControlStatsTable): Defines the Nokia SAR series port egress control statistics table for providing, via SNMP, the capability of retrieving the egress control traffic statistics for ports in network or hybrid modes.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort • tdmequipment.DS0ChannelGroup 		
dropOctets [Drop Octets] (aluPortNetEgressControlDroOcts)	java. math. BigInteger	aluPortNetEgressControlDroOcts indicates the number of egress control octets dropped on this port.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropPackets [Drop Packets] (aluPortNetEgressControlDroPkts)	java. math. BigInteger	aluPortNetEgressControlDroPkts indicates the number of egress control packets dropped on this port.
fwdOctets [Fwd Octets] (aluPortNetEgressControlFwdOcts)	java. math. BigInteger	aluPortNetEgressControlFwdOcts indicates the number of egress control octets forwarded on this port.
fwdPackets [Fwd Packets] (aluPortNetEgressControlFwdPkts)	java. math. BigInteger	aluPortNetEgressControlFwdPkts indicates the number of egress control packets forwarded on this port.
<p>NetworkPortIngressControlStats MIB entry name: aluPortNetIngressControlStatsEntry Entry description: Defines an entry in aluPortNetIngressControlStatsTable. Entries are created and deleted by the system depending port configuration. Table description (for aluPortNetIngressControlStatsTable): Defines the Nokia SAR series port ingress control statistics table for providing, via SNMP, the capability of retrieving the ingress control traffic statistics for ports in network or hybrid modes. This table is not applicable to ports in access mode. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort • tdmequipment.DS0ChannelGroup 		
dropOctets [Drop Octets] (aluPortNetIngressControlDroOcts)	java. math. BigInteger	aluPortNetIngressControlDroOcts indicates the number of ingress control octets dropped on this port.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropPackets [Drop Packets] (aluPortNetIngressControlDroPkts)	java. math. BigInteger	aluPortNetIngressControlDroPkts indicates the number of ingress control packets dropped on this port.
fwdOctets [Fwd Octets] (aluPortNetIngressControlFwdOcts)	java. math. BigInteger	aluPortNetIngressControlFwdOcts indicates the number of ingress control octets forwarded on this port.
fwdPackets [Fwd Packets] (aluPortNetIngressControlFwdPkts)	java. math. BigInteger	aluPortNetIngressControlFwdPkts indicates the number of ingress control packets forwarded on this port.
<p>NgeMdaStats MIB entry name: aluNgeMdaStatsEntry Entry description: Statistics for a single group encryption MDA. Table description (for aluNgeMdaStatsTable): Table to store group encryption MDA level statistics. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot</p>		
ngeMdaDecryptBytes [Nge Mda Decrypt Bytes] (aluNgeMdaDecryptBytes)	java. math. BigInteger	The value of aluNgeMdaDecryptBytes indicates the number of bytes successfully decrypted by the group encryption data path.
ngeMdaDecryptPackets [Nge Mda Decrypt Packets] (aluNgeMdaDecryptPkts)	java. math. BigInteger	The value of aluNgeMdaDecryptPkts indicates the number of packets successfully decrypted by the group encryption data path.
ngeMdaEncryptBytes [Nge Mda Encrypt Bytes] (aluNgeMdaEncryptBytes)	java. math. BigInteger	The value of aluNgeMdaEncryptBytes indicates the number of bytes successfully encrypted by the group encryption data path.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ngeMdaEncryptPackets [Nge Mda Encrypt Packets] (aluNgeMdaEncryptPkts)	java. math. BigInteger	The value of aluNgeMdaEncryptPkts indicates the number of packets successfully encrypted by the group encryption data path.
ngeMdaInDropAuthFailure [Nge Mda In Drop Auth Failure] (aluNgeMdaInDropAuthFailure)	long	The value of aluNgeMdaInDropAuthFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that authentication failed on the received packets.
ngeMdaInDropControlWordMismatch [Nge Mda In Drop Control Word Mismatch] (aluNgeMdaInDropControlWordMismatch)	long	The value of aluNgeMdaInDropControlWordMismatch indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that the decrypted control word does not match the outer control word.
ngeMdaInDropEnqueueError [Nge Mda In Drop Enqueue Error] (aluNgeMdaInDropEnqueueError)	long	The value of aluNgeMdaInDropEnqueueError indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that there are enqueue errors in the encryption engine.
ngeMdaInDropInvalidSpi [Nge Mda In Drop Invalid Spi] (aluNgeMdaInDropInvalidSpi)	long	The value of aluNgeMdaInDropInvalidSpi indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
ngeMdaInDropPackets [Nge Mda In Drop Packets] (aluNgeMdaInDropPkts)	long	The value of aluNgeMdaInDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ngeMdaInDropPaddingFailure [Nge Mda In Drop Padding Failure] (aluNgeMdaInDropPaddingFailure)	long	The value of aluNgeMdaInDropPaddingFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that there are padding errors detected on the received packets.
ngeMdaOutDropEnqueueError [Nge Mda Out Drop Enqueue Error] (aluNgeMdaOutDropEnqueueError)	long	The value of aluNgeMdaDropOutEnqueueError indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption data path. This implies that there are enqueue errors in the encryption engine.
ngeMdaOutDropPackets [Nge Mda Out Drop Packets] (aluNgeMdaOutDropPkts)	long	The value of aluNgeMdaOutDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption data path.
ngeMdaOutDropUnsupportedUplink [Nge Mda Out Drop Unsupported Uplink] (aluNgeMdaOutDropUnsupportedUplink)	long	The value of aluNgeMdaOutDropUnsupportedUplink indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption data path. This implies that the resolved uplink does not support encryption.
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortNetRingAddDropStats</p> <p>MIB entry name: aluPortNetRingAddDropStatsEntry</p> <p>Entry description: Defines an entry in aluPortNetRingAddDropStatsTable. Entries are created and deleted by the system depending on the add-drop port queue policy being used at the specific port.</p> <p>Table description (for aluPortNetRingAddDropStatsTable): Defines the Nokia 7705 series network add-drop ring port statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the ring add-drop port queues.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfileOctetsDropped [In Profile Octets Dropped] (aluPortNetRingAddDropDroInProfOcts)	java. math. BigInteger	aluPortNetRingAddDropDroInProfOcts indicates the number of conforming network add-drop octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (aluPortNetRingAddDropFwdInProfOcts)	java. math. BigInteger	aluPortNetRingAddDropFwdInProfOcts indicates the number of conforming network add-drop octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (aluPortNetRingAddDropDroInProfPkts)	java. math. BigInteger	aluPortNetRingAddDropDroInProfPkts indicates the number of conforming network add-drop packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (aluPortNetRingAddDropFwdInProfPkts)	java. math. BigInteger	aluPortNetRingAddDropFwdInProfPkts indicates the number of conforming network add-drop packets forwarded on this port using this queue.
outProfileOctetsDropped [Out Profile Octets Dropped] (aluPortNetRingAddDropDroOutProfOcts)	java. math. BigInteger	aluPortNetRingAddDropDroOutProfOcts indicates the number of exceeding network add-drop octets dropped on this port using this queue.
outProfileOctetsForwarded [Out Profile Octets Forwarded] (aluPortNetRingAddDropFwdOutProfOcts)	java. math. BigInteger	aluPortNetRingAddDropFwdOutProfOcts indicates the number of exceeding network add-drop octets forwarded on this port using this queue.
outProfilePacketsDropped [Out Profile Packets Dropped] (aluPortNetRingAddDropDroOutProfPkts)	java. math. BigInteger	aluPortNetRingAddDropDroOutProfPkts indicates the number of exceeding network add-drop packets dropped on this port using this queue.
outProfilePacketsForwarded [Out Profile Packets Forwarded] (aluPortNetRingAddDropFwdOutProfPkts)	java. math. BigInteger	aluPortNetRingAddDropFwdOutProfPkts indicates the number of exceeding network add-drop packets forwarded on this port using this queue.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queueId [Queue Id] (aluPortNetRingAddDropQueueIndex)	long	aluPortNetRingAddDropQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ring add-drop queue for the specified port in the managed system.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxIcpCells [Bundle Member Ima Rx Icp Cells] (tmnxBundleMemberImaRxIcpCells)	long	tmnxBundleMemberImaRxIcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxIcpCells [Bundle Member Ima Tx Icp Cells] (tmnxBundleMemberImaTxIcpCells)	long	tmnxBundleMemberImaTxIcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.
<p>ShDslLineStats MIB entry name: aluShdslLineStatsEntry Entry description: Defines an entry in aluShdslLineStatsTable. Entries are created and deleted by the system depending on port configuration. Table description (for aluShdslLineStatsTable): The aluShdslLineStatsTable contains the SHDSL Performance statistics being collected from the Socrate-4e for each physical SHDSL line on the 'SHDSL' tmnxPortType port. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
shdslLineStatsCvError [Shdsl Line Stats CvError] (aluShdslLineStatsCvError)	java. math. BigInte- ger	Code Violation Error Counter (Network Side). It is updated every second when the link is active.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
shdslLineStatsES [Shdsl Line Stats ES] (aluShdslLineStatsES)	java. math. BigInteger	Erroneous Seconds Counter (Network Side). It is updated every second when the link is active.
shdslLineStatsInvalidDataFlag [Shdsl Line Stats Invalid Data Flag] (aluShdslLineStatsInvalidDataFlag)	long	It indicates the validity of the PM data. It is set to 0 when the counters are reliable, otherwise it indicates that the far-end counters are not reliable.
shdslLineStatsLOSWS [Shdsl Line Stats LOSWS] (aluShdslLineStatsLOSWS)	java. math. BigInteger	LOSWS Counter (Network Side). It is updated every second when the link is active.
shdslLineStatsLinkLoss [Shdsl Line Stats Link Loss] (aluShdslLineStatsLinkLoss)	java. math. BigInteger	Link Loss Counter (Network Side). This counter is only valid for the local STU-R and is not polled by the STU-C,
shdslLineStatsSES [Shdsl Line Stats SES] (aluShdslLineStatsSES)	java. math. BigInteger	Severely Erroneous Seconds Counter (Network Side). It is updated every second when the link is active.
shdslLineStatsUAS [Shdsl Line Stats UAS] (aluShdslLineStatsUAS)	java. math. BigInteger	Unavailable Seconds Counter (Network Side). It is updated every second when the link is active.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>XDSLLineStats</p> <p>MIB entry name: aluXdslLineStatsEntry</p> <p>Entry description: Defines an entry in aluXdslLineStatsTable. Entries are created and deleted by the system depending on port configuration.</p> <p>Table description (for aluXdslLineStatsTable): The aluXdslLineStatsTable contains various statistics being collected from the BCM6519 for each physical XDSL line on the 'XDSL' tmnxPortType port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
xdslLineStatsFarEndAS [Xdsl Line Stats Far End AS] (aluXdslLineStatsFarEndAS)	java. math. BigInteger	A count of Available Seconds - Far-End: Count of 1 second intervals for which the ADSL line is available.
xdslLineStatsFarEndES [Xdsl Line Stats Far End ES] (aluXdslLineStatsFarEndES)	java. math. BigInteger	A count of Errored Seconds - Far-End: Count of 1-second intervals with one or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsFarEndFECS [Xdsl Line Stats Far End FECS] (aluXdslLineStatsFarEndFECS)	java. math. BigInteger	A count of Forward Error Correction Seconds - Far-End: Count of 1-second intervals with one or more FEC corrections on either one of the active latencies at the far-end.
xdslLineStatsFarEndLEFTRS [Xdsl Line Stats Far End LEFTRS] (aluXdslLineStatsFarEndLEFTRS)	java. math. BigInteger	A count of Low Error-Free Troughput Rate Seconds - Far-End.
xdslLineStatsFarEndLOFS [Xdsl Line Stats Far End LOFS] (aluXdslLineStatsFarEndLOFS)	java. math. BigInteger	A count of Loss of Framing Seconds - Far-End: Count of 1-second intervals containing one or more SEF defects at the far-end.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
xdslLineStatsFarEndLOSS [Xdsl Line Stats Far End LOSS] (aluXdslLineStatsFarEndLOSS)	java. math. BigInteger	A count of Loss of Signal Seconds - Far-End: Count of 1-second intervals with one or more LOS defects present at the far-end.
xdslLineStatsFarEndLPRS [Xdsl Line Stats Far End LPRS] (aluXdslLineStatsFarEndLPRS)	java. math. BigInteger	A count of Loss of power Seconds - Far-End: Count of 1-second intervals containing one or more LPR defects at the far-end.
xdslLineStatsFarEndSES [Xdsl Line Stats Far End SES] (aluXdslLineStatsFarEndSES)	java. math. BigInteger	A count of Severely Errored Seconds - Far-End: Count of 1-second intervals with 18 or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsFarEndUAS [Xdsl Line Stats Far End UAS] (aluXdslLineStatsFarEndUAS)	java. math. BigInteger	A count of Unavailable Seconds - Far-End: Count of 1-second intervals for which the ADSL line is not available (the line becomes unavailable at the onset of 10 continuous SES).
xdslLineStatsNearEndAS [Xdsl Line Stats Near End AS] (aluXdslLineStatsNearEndAS)	java. math. BigInteger	A count of Available Seconds - Near-End: Count of 1 second intervals for which the ADSL line is available.
xdslLineStatsNearEndES [Xdsl Line Stats Near End ES] (aluXdslLineStatsNearEndES)	java. math. BigInteger	A count of Errored Seconds - Near-End: Count of 1-second intervals with one or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsNearEndFECS [Xdsl Line Stats Near End FECS] (aluXdslLineStatsNearEndFECS)	java. math. BigInteger	A count of Forward Error Correction Seconds - Near-End: Count of 1-second intervals with one or more FEC corrections on either one of the active latencies at the near-end.
xdslLineStatsNearEndLEFTRS [Xdsl Line Stats Near End LEFTRS] (aluXdslLineStatsNearEndLEFTRS)	java. math. BigInteger	A count of Low Error-Free Troughput Rate Seconds - Near-End.

Table 320 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
xdslLineStatsNearEndLOFS [Xdsl Line Stats Near End LOFS] (aluXdslLineStatsNearEndLOFS)	java. math. BigInteger	A count of Loss of Framing Seconds - Near-End: Count of 1-second intervals containing one or more SEF defects at the near-end.
xdslLineStatsNearEndLOSS [Xdsl Line Stats Near End LOSS] (aluXdslLineStatsNearEndLOSS)	java. math. BigInteger	A count of Loss of Signal Seconds - Near-End: Count of 1-second intervals with one or more LOS defects present at the near-end.
xdslLineStatsNearEndLPRS [Xdsl Line Stats Near End LPRS] (aluXdslLineStatsNearEndLPRS)	java. math. BigInteger	A count of Loss of power Seconds - Near-End: Count of 1-second intervals containing one or more LPR defects at the near-end.
xdslLineStatsNearEndSES [Xdsl Line Stats Near End SES] (aluXdslLineStatsNearEndSES)	java. math. BigInteger	A count of Severely Errored Seconds - Near-End: Count of 1-second intervals with 18 or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsNearEndUAS [Xdsl Line Stats Near End UAS] (aluXdslLineStatsNearEndUAS)	java. math. BigInteger	A count of Unavailable Seconds - Near-End: Count of 1-second intervals for which the ADSL line is not available (the line becomes unavailable at the onset of 10 continuous SES).
xdslLineStatsUpTime [Xdsl Line Stats Up Time] (aluXdslLineStatsUpTime)	long	A count of the number of seconds already in showtime.

Table 321 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 321 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 322 fr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tmnxFRDlcmiEntry</p> <p>Entry description: The Parameters for a particular Data Link Connection Management Interface. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxFRDlcmiTable): The tmnxFRDlcmiTable has an entry for each port in the system that is configured for Frame Relay. It contains the parameters for the Data Link Connection Management Interface (DLCMI) for the frame relay service on this port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: fr.Interface</p>		
lmiDiscardedMessages [Lmi Discarded Messages] (tmnxFRDlcmiDiscardedMsgs)	long	tmnxFRDlcmiDiscardedMsgs indicates the number of times the LMI agent discarded a received message because it wasn't expecting it, the type of message was incorrect, or the contents of the message were invalid.
lmiInvalidRxSeqNumMessages [Lmi Invalid Rx Seq Num Messages] (tmnxFRDlcmiInvRxSeqNumMsgs)	long	tmnxFRDlcmiInvRxSeqNumMsgs indicates the number of times the LMI agent received a message with an invalid receive sequence number: i.e. a sequence number that does not match the last transmitted sequence number of the agent.
lmiRxStatusEnquiryMessages [Lmi Rx Status Enquiry Messages] (tmnxFRDlcmiRxStatusEnqMsgs)	long	tmnxFRDlcmiRxStatusEnqMsgs indicates the number of LMI Status Enquiry messages received on this Frame Relay interface.
lmiRxStatusMessages [Lmi Rx Status Messages] (tmnxFRDlcmiRxStatusMsgs)	long	tmnxFRDlcmiRxStatusMsgs indicates the number of LMI Status messages received on this Frame Relay interface.
lmiStatusEnquiryMsgTimeouts [Lmi Status Enquiry Msg Timeouts] (tmnxFRDlcmiStatusEnqMsgTimeouts)	long	tmnxFRDlcmiStatusEnqMsgTimeouts indicates the number of times the LMI agent did not receive a Status Enquiry message within the allotted time.

Table 322 fr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lmiStatusMsgTimeouts [Lmi Status Msg Timeouts] (tmnxFRDlcmiStatusMsgTimeouts)	long	tmnxFRDlcmiStatusMsgTimeouts indicates the number of times the LMI agent did not receive a Status message within the allotted time.
lmiTxStatusEnquiryMessages [Lmi Tx Status Enquiry Messages] (tmnxFRDlcmiTxStatusEnqMsgs)	long	tmnxFRDlcmiTxStatusEnqMsgs indicates the number of LMI Status Enquiry messages transmitted on this Frame Relay interface.
lmiTxStatusMessages [Lmi Tx Status Messages] (tmnxFRDlcmiTxStatusMsgs)	long	tmnxFRDlcmiTxStatusMsgs indicates the number of LMI Status messages transmitted on this Frame Relay interface.

Table 323 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 323 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 323 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 323 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 324 ipsec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecSASStats MIB entry name: tmnxIPsecSASStatsEntry Entry description: Information about a single IPsec SA Statistics entry. Table description (for tmnxIPsecSASStatsTable): Table to retrieve the IPsec SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecSecurityAssociation</p>		
bytesProcessed [Bytes Processed] (tmnxIPsecSASStatsBytesProcessed)	java. math. BigInteger	The value of tmnxIPsecSASStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tmnxIPsecSASStatsCryptoErrors)	long	The value of tmnxIPsecSASStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tmnxIPsecSASStatsPktsProcessed)	java. math. BigInteger	The value of tmnxIPsecSASStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tmnxIPsecSASStatsPolicyErrors)	long	The value of tmnxIPsecSASStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.
replayErrors [Replay Errors] (tmnxIPsecSASStatsReplayErrors)	long	The value of tmnxIPsecSASStatsReplayErrors indicates the number of replay errors encountered on this SA.

Table 324 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saErrors [Sa Errors] (tmnxIPsecSASStatsSAErrors)	long	The value of tmnxIPsecSASStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, ploicy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecTunnelStats MIB entry name: tmnxIPsecTunnelStatsEntry Entry description: Statistics for a single IPsec Tunnel. Table description (for tmnxIPsecTunnelStatsTable): Table to store IPsec Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecTunnel		
isakmpEstabTime [Isakmp Estab Time] (tmnxIPsecTunnellsakmpEstabTime)	long	The value of tmnxIPsecTunnellsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tmnxIPsecTunnellsakmpNegLifeTime)	long	The value of tmnxIPsecTunnellsakmpNegLifeTime indicates the lifetime negotiated for phase1 lke key.
isakmpState [Isakmp State] (tmnxIPsecTunnellsakmpState)	long	The value of tmnxIPsecTunnellsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tmnxIPsecTunnelNumCtrlPktsRx)	long	The value of tmnxIPsecTunnelNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.
numCtrlPktsTx [Num Ctrl Pkts Tx] (tmnxIPsecTunnelNumCtrlPktsTx)	long	The value of tmnxIPsecTunnelNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.

Table 324 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlRxErrors [Num Ctrl Rx Errors] (tmnxIPsecTunnelNumCtrlRxErrors)	long	The value of tmnxIPsecTunnelNumCtrlRxErrors indicates the number of control packet receive errors.
numCtrlTxErrors [Num Ctrl Tx Errors] (tmnxIPsecTunnelNumCtrlTxErrors)	long	The value of tmnxIPsecTunnelNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tmnxIPsecTunnelNumDpdAckRx)	long	The value of tmnxIPsecTunnelNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tmnxIPsecTunnelNumDpdAckTx)	long	The value of tmnxIPsecTunnelNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tmnxIPsecTunnelNumDpdRx)	long	The value of tmnxIPsecTunnelNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tmnxIPsecTunnelNumDpdTx)	long	The value of tmnxIPsecTunnelNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tmnxIPsecTunnelNumExpRx)	long	The value of tmnxIPsecTunnelNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tmnxIPsecTunnelNumInvalidDpdRx)	long	The value of tmnxIPsecTunnelNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 325 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisStatsCSNPDrop)	long	The value of the object tmnxIisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIisStatsCSNPRecd)	long	The value of the object tmnxIisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisStatsCSNPRetrans)	long	The value of the object tmnxIisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIisStatsCSNPSent)	long	The value of the object tmnxIisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIisStatsIIHDrop)	long	The value of the object tmnxIisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsIIHDrop.

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPRetrans)	long	The value of the object tmnxIisisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownRetrans)	long	The value of the object tmnxIisisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIisStatsCSPFDroppedRequests)	long	The value of the object tmnxIisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIisStatsCSPFPathsFound)	long	The value of the object tmnxIisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIisStatsCSPFPathsNotFound)	long	The value of the object tmnxIisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIisStatsCSPFRequests)	long	The value of the object tmnxIisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIisStatsInitiatedPurges)	long	The value of the object tmnxIisStatsInitiatedPurges indicates the number of times purges have been initiated.

Table 325 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lfaRuns [Lfa Runs] (tmnxIsisStatsLfaRuns)	long	The value of the object tmnxIsisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 326 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 326 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.

Table 326 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStpStats</p> <p>MIB entry name: svcTlsInfoEntry</p> <p>Entry description: TLS specific information about a service.</p> <p>Table description (for svcTlsInfoTable): A table that contains TLS service information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.SiteStp</p>		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 327 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 327 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 327 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 327 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 327 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 328 ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 328 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStatsExtension</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
p2mpFecReceived [P2 mp Fec Received] (vRtrLdpStatsP2MPFECRecv)	long	The value of vRtrLdpStatsP2MPFECRecv specifies the number of P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vRtrLdpStatsP2MPFECSent)	long	The value of vRtrLdpStatsP2MPFECSent specifies the number of P2MP FECs sent by the LDP instance to its neighbors.

Table 328 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 329 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 329 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 329 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 329 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		
IldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 330 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupSourceSummaryStats</p> <p>MIB entry name: vRtrMldGrpSrcSummaryEntry</p> <p>Entry description: An entry in the vRtrMldGrpSrcSummaryTable. Each entry represents the summary counters for each Group/Source combination.</p> <p>Table description (for vRtrMldGrpSrcSummaryTable): The table listing the IP multicast Group/Source summary counters.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Site</p>		
blockedGrpIntfSaps [Blocked Grp Intf Saps] (vRtrMldGrpSrcSummBlkGrpIfSaps)	long	vRtrMldGrpSrcSummBlkGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the blocking list.
blockedHosts [Blocked Hosts] (vRtrMldGrpSrcSummBlkHosts)	long	vRtrMldGrpSrcSummBlkHosts indicates the number of hosts having this Group/Source combination in the blocking list.
blockedInterfaces [Blocked Interfaces] (vRtrMldGrpSrcSummBlkInterfaces)	long	vRtrMldGrpSrcSummBlkInterfaces indicates the number of interfaces having this Group/Source combination in the blocking list.
fwdGrpIntfSaps [Fwd Grp Intf Saps] (vRtrMldGrpSrcSummFwdGrpIfSaps)	long	vRtrMldGrpSrcSummFwdGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the forwarding list.
fwdHosts [Fwd Hosts] (vRtrMldGrpSrcSummFwdHosts)	long	vRtrMldGrpSrcSummFwdHosts indicates the number of hosts having this Group/Source combination in the forwarding list.
fwdInterfaces [Fwd Interfaces] (vRtrMldGrpSrcSummFwdInterfaces)	long	vRtrMldGrpSrcSummFwdInterfaces indicates the number of interfaces having this Group/Source combination in the forwarding list.

Table 330 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.

Table 330 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.

Table 330 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.

Table 330 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.

Table 330 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 331 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/ vRtrMplsLspAge * 100 %).

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats</p> <p>MIB entry name: vRtrMplsIfStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SarMplsInterfaceStats</p> <p>MIB entry name: aluVRtrMplsIfStatEntry</p> <p>Entry description: Information about the extensions of vRtrMplsIfStatTable which represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol.</p> <p>Table description (for aluVRtrMplsIfStatTable): Information about the Nokia 7705 SAR extensions to the vRtrMplsIfStatTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Interface</p>		
lastInvalidLabel [Last Invalid Label] (aluVRtrMplsIfLastInvalidLabel)	int	The value of aluVRtrMplsIfLastInvalidLabel indicates the last invalid MPLS label value.
lastInvalidPos [Last Invalid Pos] (aluVRtrMplsIfLastInvalidPos)	long	The value of aluVRtrMplsIfLastInvalidPos indicates the last invalid MPLS label position.
rxInvIpoMplsPkts [Rx Inv Ipo Mpls Pkts] (aluVRtrMplsIfRxInvIpoMplsPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxInvIpoMplsPkts indicates the total number of invalid IP over MPLS packets received on this interface.
rxInvLabels [Rx Inv Labels] (aluVRtrMplsIfRxInvLabels)	java. math. BigInteger	The value of aluVRtrMplsIfRxInvLabels indicates the total number of invalid MPLS labels received on this interface.
rxMoFRRBkupPathPkts [Rx Mo FRRBkup Path Pkts] (aluVRtrMplsIfRxMoFRRBkupPathPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxMoFRRBkupPathPkts indicates the total number of MPLS packets received on backup path for Multicast-only Fast ReRoute (MoFRR) on this interface.

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxMtuExceedPkts [Rx Mtu Exceed Pkts] (aluVRtrMplsIfRxMtuExceedPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxMtuExceedPkts indicates the total number of MPLS Mtu Exceeded packets received on this interface.
rxOtherDiscardPkts [Rx Other Discard Pkts] (aluVRtrMplsIfRxOtherDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxOtherDiscardPkts indicates the total number of discarded packets on this interface due to other reasons.
rxQueueDiscardPkts [Rx Queue Discard Pkts] (aluVRtrMplsIfRxQueueDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxQueueDiscardPkts indicates the total number of MPLS packets discarded due to queue congestion or maintenance action on this interface.
rxStackTooBigPkts [Rx Stack Too Big Pkts] (aluVRtrMplsIfRxStackTooBigPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxStackTooBigPkts indicates the total number of MPLS stack too big packets received on this interface. This is the number of MPLS labels greater than 5.
rxTTLExpiredPkts [Rx TTLExpired Pkts] (aluVRtrMplsIfRxTTLExpiredPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxTTLExpiredPkts indicates the total number of MPLS TTL expired packets received on this interface.
txMtuExceedPkts [Tx Mtu Exceed Pkts] (aluVRtrMplsIfTxMtuExceedPkts)	java. math. BigInteger	The value of aluVRtrMplsIfTxMtuExceedPkts indicates the total number of MPLS Mtu Exceeded packets transmitted on this interface.
txOtherDiscardPkts [Tx Other Discard Pkts] (aluVRtrMplsIfTxOtherDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfTxOtherDiscardPkts indicates the total number of discarded packets to be transmitted on this interface due to other reasons.
txQueueDiscardPkts [Tx Queue Discard Pkts] (aluVRtrMplsIfTxQueueDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfTxQueueDiscardPkts indicates the total number of MPLS transmitted packets discarded due to queue congestion or maintenance action on this interface.

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 331 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 332 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 332 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 332 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 332 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 332 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 333 mwa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MwLinkStats</p> <p>MIB entry name: aluMwLinkStatisticsEntry</p> <p>Entry description: Each row entry represents a Packet Microwave Link that is provisioned on the system.</p> <p>Table description (for aluMwLinkStatisticsTable): The aluMwLinkStatisticsTable has an entry for each Packet Microwave Link in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mwa.MwLink</p>		
mwLinkAggrDiscardedTx [Mw Link Aggr Discarded Tx] (aluMwLinkAggrDiscardedTx)	java. math. BigInteger	aluMwLinkAggrDiscardedTx specifies the number of frames discarded on the radio before transmission.
mwLinkAggrFramesTx [Mw Link Aggr Frames Tx] (aluMwLinkAggrFramesTx)	java. math. BigInteger	aluMwLinkAggrFramesTx specifies the number of ethernet frames to be transmitted over radio link.
mwLinkAggrOctetsTx [Mw Link Aggr Octets Tx] (aluMwLinkAggrOctetsTx)	java. math. BigInteger	aluMwLinkAggrOctetsTx specifies the number of octets to be transmitted over radio link.
mwLinkQueue1DiscardedTx [Mw Link Queue 1 Discarded Tx] (aluMwLinkQueue1DiscardedTx)	java. math. BigInteger	aluMwLinkQueue1DiscardedTx specifies the number of frames discarded on the radio from queue 1 before transmission.
mwLinkQueue1FramesTx [Mw Link Queue 1 Frames Tx] (aluMwLinkQueue1FramesTx)	java. math. BigInteger	aluMwLinkQueue1FramesTx specifies the number of ethernet frames to be transmitted from queue 1 over radio link.

Table 333 mwa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mwLinkQueue1OctetsTx [Mw Link Queue 1 Octets Tx] (aluMwLinkQueue1OctetsTx)	java. math. BigInteger	aluMwLinkQueue1OctetsTx specifies the number of octets to be transmitted from queue 1 over radio link.
mwLinkQueue2DiscardedTx [Mw Link Queue 2 Discarded Tx] (aluMwLinkQueue2DiscardedTx)	java. math. BigInteger	aluMwLinkQueue2DiscardedTx specifies the number of frames discarded on the radio from queue 2 before transmission.
mwLinkQueue2FramesTx [Mw Link Queue 2 Frames Tx] (aluMwLinkQueue2FramesTx)	java. math. BigInteger	aluMwLinkQueue2FramesTx specifies the number of ethernet frames to be transmitted from queue 2 over radio link.
mwLinkQueue2OctetsTx [Mw Link Queue 2 Octets Tx] (aluMwLinkQueue2OctetsTx)	java. math. BigInteger	aluMwLinkQueue2OctetsTx specifies the number of octets transmitted to be from queue 2 over radio link.
mwLinkQueue3DiscardedTx [Mw Link Queue 3 Discarded Tx] (aluMwLinkQueue3DiscardedTx)	java. math. BigInteger	aluMwLinkQueue3DiscardedTx specifies the number of frames discarded on the radio from queue 3 before transmission.
mwLinkQueue3FramesTx [Mw Link Queue 3 Frames Tx] (aluMwLinkQueue3FramesTx)	java. math. BigInteger	aluMwLinkQueue3FramesTx specifies the number of ethernet frames to be transmitted from queue 3 over radio link.
mwLinkQueue3OctetsTx [Mw Link Queue 3 Octets Tx] (aluMwLinkQueue3OctetsTx)	java. math. BigInteger	aluMwLinkQueue3OctetsTx specifies the number of octets to be transmitted from queue 3 over radio link.
mwLinkQueue4DiscardedTx [Mw Link Queue 4 Discarded Tx] (aluMwLinkQueue4DiscardedTx)	java. math. BigInteger	aluMwLinkQueue4DiscardedTx specifies the number of frames discarded on the radio from queue 4 before transmission.

Table 333 mwa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mwLinkQueue4FramesTx [Mw Link Queue 4 Frames Tx] (aluMwLinkQueue4FramesTx)	java. math. BigInteger	aluMwLinkQueue4FramesTx specifies the number of ethernet frames to be transmitted from queue 4 over radio link.
mwLinkQueue4OctetsTx [Mw Link Queue 4 Octets Tx] (aluMwLinkQueue4OctetsTx)	java. math. BigInteger	aluMwLinkQueue4OctetsTx specifies the number of octets to be transmitted from queue 4 over radio link.
mwLinkQueue5DiscardedTx [Mw Link Queue 5 Discarded Tx] (aluMwLinkQueue5DiscardedTx)	java. math. BigInteger	aluMwLinkQueue5DiscardedTx specifies the number of frames discarded on the radio from queue 5 before transmission.
mwLinkQueue5FramesTx [Mw Link Queue 5 Frames Tx] (aluMwLinkQueue5FramesTx)	java. math. BigInteger	aluMwLinkQueue5FramesTx specifies the number of ethernet frames to be transmitted from queue 5 over radio link.
mwLinkQueue5OctetsTx [Mw Link Queue 5 Octets Tx] (aluMwLinkQueue5OctetsTx)	java. math. BigInteger	aluMwLinkQueue5OctetsTx specifies the number of octets to be transmitted from queue 5 over radio link.

Table 334 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SecurityEngineStats MIB entry name: aluSecEngineStatsEntry Entry description: Each row entry represents a security engine. Table description (for aluSecEngineStatsTable): The aluSecEngineStatsTable has an entry for security engine in the system. Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
engineDropPkts [Engine Drop Pkts] (aluSecEngineDropPkts)	java. math. BigInteger	Pkts dropped by Engine due to security policy.
engineId [Engine Id] (aluSecEngineId)	long	The value of aluSecEngineId specifies the identifier for security engine.
engineRxQueueCtrlPkts [Engine Rx Queue Ctrl Pkts] (aluSecEngineRxQueueCtrlPkts)	java. math. BigInteger	Control Pkts forwarded to Engine from Rx Queue.
engineRxQueueDataPkts [Engine Rx Queue Data Pkts] (aluSecEngineRxQueueDataPkts)	java. math. BigInteger	Session Data Pkts forwarded to Engine from Rx Queue.
engineRxQueueDropPkts [Engine Rx Queue Drop Pkts] (aluSecEngineRxQueueDropPkts)	java. math. BigInteger	Pkts dropped by Engine Rx Queue.

Table 334 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
engineUtilization [Engine Utilization] (aluSecEngineUtilization)	long	The value of aluSecEngineUtilization specifies the percentage of the processing capacity in use over the last second.
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 334 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 334 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 335 nge statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
KeyGroupSdpBindingStats MIB entry name: aluNgeKeygroupSdpBindStatsEntry Entry description: Information about a single NGE keygroup sdp binding statistics. Table description (for aluNgeKeygroupSdpBindStatsTable): Table to store the NGE keygroup sdp binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
decryptedBytes [Decrypted Bytes] (aluNgeKeygroupSdpBindDecryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindDecryptBytes indicates the number of bytes successfully decrypted by the sdp binding.
decryptedPackets [Decrypted Packets] (aluNgeKeygroupSdpBindDecryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindDecryptPkts indicates the number of packets successfully decrypted by the sdp binding.
encryptedBytes [Encrypted Bytes] (aluNgeKeygroupSdpBindEncryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindEncryptBytes indicates the number of bytes successfully encrypted by the sdp binding.
encryptedPackets [Encrypted Packets] (aluNgeKeygroupSdpBindEncryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindEncryptPkts indicates the number of packets successfully encrypted by the sdp binding.

Table 335 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDroppedInvalidSpi [In Dropped Invalid Spi] (aluNgeKeygroupSdpBindIngDropInvalidSpi)	long	The value of aluNgeKeygroupSdpBindIngDropInvalidSpi indicates the number of packets dropped before and during inbound (decryption) processing by the sdp binding. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
inDroppedOther [In Dropped Other] (aluNgeKeygroupSdpBindIngDropOtherPkts)	long	The value of aluNgeKeygroupSdpBindIngDropOtherPkts indicates the number of packets dropped before and during inbound (decryption) processing by the sdp binding for unspecified reasons.
outDroppedTotal [Out Dropped Total] (aluNgeKeygroupSdpBindEgDropPkts)	long	The value of aluNgeKeygroupSdpBindEgDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the sdp binding.
<p>KeyGroupSpiStats MIB entry name: aluNgeKeygroupSpiStatsEntry Entry description: Statistics for a single encryption keygroup SPI. Table description (for aluNgeKeygroupSpiStatsTable): Table to store group encryption keygroup SPI level statistics. Supports realtime plotting Supports scheduled collection Monitored class: nge.SecurityAssociation</p>		
decryptedBytes [Decrypted Bytes] (aluNgeKeygroupSpiDecryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSpiDecryptBytes indicates the number of bytes successfully decrypted by the group encryption keygroup SPI.
decryptedPackets [Decrypted Packets] (aluNgeKeygroupSpiDecryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSpiDecryptPkts indicates the number of packets successfully decrypted by the group encryption keygroup SPI.

Table 335 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptedBytes [Encrypted Bytes] (aluNgeKeygroupSpiEncryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSpiEncryptBytes indicates the number of bytes successfully encrypted by the group encryption keygroup SPI.
encryptedPackets [Encrypted Packets] (aluNgeKeygroupSpiEncryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSpiEncryptPkts indicates the number of packets successfully encrypted by the group encryption keygroup SPI.
inDroppedAuthenticationFailure [In Dropped Authentication Failure] (aluNgeKeygroupSpiInDropAuthFailure)	long	The value of aluNgeKeygroupSpiInDropAuthFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that authentication failed on the received packets.
inDroppedControlWordMismatch [In Dropped Control Word Mismatch] (aluNgeKeygroupSpiInDropControlWordMismatch)	long	The value of aluNgeKeygroupSpiInDropControlWordMismatch indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that the decrypted control word does not match the outer control word.
inDroppedEnqueueError [In Dropped Enqueue Error] (aluNgeKeygroupSpiInDropEnqueueError)	long	The value of aluNgeKeygroupSpiInDropEnqueueError indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that there are enqueue errors in the encryption engine.
inDroppedOther [In Dropped Other] (aluNgeKeygroupSpiInDropOther)	long	The value of aluNgeKeygroupSpiInDropOther indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI for unspecified reasons.
inDroppedPaddingFailure [In Dropped Padding Failure] (aluNgeKeygroupSpiInDropPaddingFailure)	long	The value of aluNgeKeygroupSpiInDropPaddingFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that there are padding errors detected on the received packets.

Table 335 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDroppedTotal [In Dropped Total] (aluNgeKeygroupSpiInDropPkts)	long	The value of aluNgeKeygroupSpiInDropPkts indicates the total number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI.
outDroppedEnqueueError [Out Dropped Enqueue Error] (aluNgeKeygroupSpiOutDropEnqueueError)	long	The value of aluNgeKeygroupSpiOutDropEnqueueError indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup SPI. This implies that there are enqueue errors in the encryption engine.
outDroppedOther [Out Dropped Other] (aluNgeKeygroupSpiOutDropOther)	long	The value of aluNgeKeygroupSpiOutDropOther indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup SPI for unspecified reasons.
outDroppedTotal [Out Dropped Total] (aluNgeKeygroupSpiOutDropPkts)	long	The value of aluNgeKeygroupSpiOutDropPkts indicates the total number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup SPI.
KeyGroupStats MIB entry name: aluNgeKeygroupStatsEntry Entry description: Statistics for a single group encryption keygroup. Table description (for aluNgeKeygroupStatsTable): Table to store group encryption keygroup level statistics. Supports realtime plotting Supports scheduled collection Monitored class: nge.KeyGroup		
decryptedBytes [Decrypted Bytes] (aluNgeKeygroupDecryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupDecryptBytes indicates the number of bytes successfully decrypted by the group encryption keygroup.

Table 335 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
decryptedPackets [Decrypted Packets] (aluNgeKeygroupDecryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupDecryptPkts indicates the number of packets successfully decrypted by the group encryption keygroup.
encryptedBytes [Encrypted Bytes] (aluNgeKeygroupEncryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupEncryptBytes indicates the number of bytes successfully encrypted by the group encryption keygroup.
encryptedPackets [Encrypted Packets] (aluNgeKeygroupEncryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupEncryptPkts indicates the number of packets successfully encrypted by the group encryption keygroup.
inDroppedAuthenticationFailure [In Dropped Authentication Failure] (aluNgeKeygroupInDropAuthFailure)	long	The value of aluNgeKeygroupInDropAuthFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that authentication failed on the received packets.
inDroppedControlWordMismatch [In Dropped Control Word Mismatch] (aluNgeKeygroupInDropControl- WordMismatch)	long	The value of aluNgeKeygroupInDropControlWordMismatch indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that the decrypted control word does not match the outer control word.
inDroppedEnqueueError [In Dropped Enqueue Error] (aluNgeKeygroupInDropEnqueueError)	long	The value of aluNgeKeygroupInDropEnqueueError indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that there are enqueue errors in the encryption engine.

Table 335 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDroppedInvalidSpi [In Dropped Invalid Spi] (aluNgeKeygroupInDropInvalidSpi)	long	The value of aluNgeKeygroupInDropInvalidSpi indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
inDroppedOther [In Dropped Other] (aluNgeKeygroupInDropOther)	long	The value of aluNgeKeygroupInDropOther indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup for unspecified reasons.
inDroppedPaddingFailure [In Dropped Padding Failure] (aluNgeKeygroupInDropPaddingFailure)	long	The value of aluNgeKeygroupInDropPaddingFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that there are padding errors detected on the received packets.
inDroppedTotal [In Dropped Total] (aluNgeKeygroupInDropPkts)	long	The value of aluNgeKeygroupInDropPkts indicates the total number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup.
inLastDroppedSpi [In Last Dropped Spi] (aluNgeKeygroupInLastDropSpi)	long	The value of aluNgeKeygroupInLastDropSpi indicates the last SPI value of the packet dropped before and during inbound (decryption) processing by the group encryption keygroup. If 0x00000000 is received, it implies that no discard involving SPIs has occurred. If 0xFFFFFFFF is received, it implies that discards occurred involving unencrypted traffic without encryption label. Any other values should be interpreted as a normal SPI ID.
outDroppedEnqueueError [Out Dropped Enqueue Error] (aluNgeKeygroupOutDropEnqueueError)	long	The value of aluNgeKeygroupOutDropEnqueueError indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup. This implies that there are enqueue errors in the encryption engine.

Table 335 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outDroppedOther [Out Dropped Other] (aluNgeKeygroupOutDropOther)	long	The value of aluNgeKeygroupOutDropOther indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup for unspecified reasons.
outDroppedTotal [Out Dropped Total] (aluNgeKeygroupOutDropPkts)	long	The value of aluNgeKeygroupOutDropPkts indicates the total number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup.
outDroppedUnsupportedUplink [Out Dropped Unsupported Uplink] (aluNgeKeygroupOutDropUnsup- portedUplink)	long	The value of aluNgeKeygroupOutDropUnsupportedUplink indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup. This implies that the resolved uplink does not support encryption.

Table 336 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamLfRxDBDs)	long	The value of tmnxOspfShamLfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 336 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 337 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 337 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 337 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 337 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort </p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 337 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 337 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 338 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats</p> <p>MIB entry name: vRtrPimNgGenStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGenStatTable.</p> <p>Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertizements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertizements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertizement has a router alert set and the destination address is not the router's local address.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertizements (C-RP-Adv).

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.

Table 338 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmtch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmtch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpflfIndex.

Table 339 ppp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppStats</p> <p>MIB entry name: tmnxPppEntry</p> <p>Entry description: Each row entry represents a port from the tmnxPortTable that is configured for PPP. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxPppTable): The tmnxPppTable has an entry for each port in the system that is configured for PPP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ppp.Interface</p>		
keepaliveEchoReplyPacketsReceived [Keepalive Echo Reply Packets Received] (tmnxPppKaInPktCount)	long	The number of echo-reply packets received.
keepaliveEchoRequestPacketsSent [Keepalive Echo Request Packets Sent] (tmnxPppKaOutPktCount)	long	The number of echo-request packets sent.
keepaliveThresholdExceedsCount [Keepalive Threshold Exceeds Count] (tmnxPppKaThresholdExceedsCount)	long	The number of times that tmnxPppKaDropCount was reached.
lqmInRate [Lqm In Rate] (tmnxPppLqmInRate)	long	The average of 'SaveInPackets'/'PeerOutPackets' in the last five consecutive LQRs received.
lqmLqrPacketsReceived [Lqm Lqr Packets Received] (tmnxPppLqmInPktCount)	long	The number of LQR packets received.
lqmLqrPacketsSent [Lqm Lqr Packets Sent] (tmnxPppLqmOutPktCount)	long	The number of LQR packets sent.

Table 339 ppp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lqmOutRate [Lqm Out Rate] (tmnxPppLqmOutRate)	long	The average of 'PeerInPackets'/'LastOutPackets' in the last five consecutive LQRs received.
lqmThresholdExceedsCount [Lqm Threshold Exceeds Count] (tmnxPppLqmThresholdExceedsCount)	long	The number of times that either tmnxPppLqmInRate or tmnxPppLqmOutRate falls below the specified quality percentage when PPP quality or LQM is enforced.

Table 340 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IEEEPTPPortStats</p> <p>MIB entry name: tmnxPtpPortStatsEntry</p> <p>Entry description: The tmnxPtpPortStatsEntry contains the directional packet statistics for a specific Ethernet port configured for direct transport of PTP over Ethernet. Rows are created and destroyed by the system, when corresponding entries in the tmnxPtpPortTable are created and deleted.</p> <p>Table description (for tmnxPtpPortStatsTable): The tmnxPtpPortStatsTable contains packet statistics for Ethernet ports configured for direct transport of PTP over Ethernet.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPort</p>		
ptpPortStatAnnounce [Ptp Port Stat Announce] (tmnxPtpPortStatAnnounce)	long	The value of tmnxPtpPortStatAnnounce indicates the number of accumulated PTP Announce packets transmitted or received on the Ethernet port.
ptpPortStatDelayRequest [Ptp Port Stat Delay Request] (tmnxPtpPortStatDelayRequest)	long	The value of tmnxPtpPortStatDelayRequest indicates the number of accumulated PTP Delay Request packets transmitted or received on the Ethernet port.
ptpPortStatDelayResponse [Ptp Port Stat Delay Response] (tmnxPtpPortStatDelayResponse)	long	The value of tmnxPtpPortStatDelayResponse indicates the number of accumulated PTP Delay Response packets transmitted or received on the Ethernet port.
ptpPortStatDirection [Ptp Port Stat Direction] (tmnxPtpPortStatDirection)	int	The value of tmnxPtpPortStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPortStatDropAltMaster [Ptp Port Stat Drop Alt Master] (tmnxPtpPortStatDropAltMaster)	long	The value of tmnxPtpPortStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatDropBadDomain [Ptp Port Stat Drop Bad Domain] (tmnxPtpPortStatDropBadDomain)	long	The value of tmnxPtpPortStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOther [Ptp Port Stat Drop Other] (tmnxPtpPortStatDropOther)	long	The value of tmnxPtpPortStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in tmnxPtpPortStatDropBadDomain, tmnxPtpPortStatDropAltMaster, and tmnxPtpPortStatDropOutOfSeq. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOutOfSeq [Ptp Port Stat Drop Out Of Seq] (tmnxPtpPortStatDropOutOfSeq)	long	The value of tmnxPtpPortStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPortStatFollowUp [Ptp Port Stat Follow Up] (tmnxPtpPortStatFollowUp)	long	The value of tmnxPtpPortStatFollowUp indicates the number of accumulated PTP Follow-Up packets transmitted or received on the Ethernet port. Because 'tmnxPtpClockStep-Type' is 'oneStep (1)', the system will never transmit PTP Follow-Up packets. However, it may receive PTP Follow-Up packets from a two-step master or boundary clock.
ptpPortStatOther [Ptp Port Stat Other] (tmnxPtpPortStatOther)	long	The value of tmnxPtpPortStatOther indicates the number of accumulated PTP packets of all other types. This object is accumulated in the 'rx' direction only.
ptpPortStatSignaling [Ptp Port Stat Signaling] (tmnxPtpPortStatSignaling)	long	The value of tmnxPtpPortStatSignaling indicates the number of accumulated PTP Signaling packets received on the Ethernet port. This object is accumulated in the 'rx' direction only.
ptpPortStatSync [Ptp Port Stat Sync] (tmnxPtpPortStatSync)	long	The value of tmnxPtpPortStatSync indicates the number of accumulated PTP Sync packets transmitted or received on the Ethernet port.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatTimeStampCpm [Ptp Port Stat Time Stamp Cpm] (tmnxPtpPortStatTimeStampCpm)	long	The value of tmnxPtpPortStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp is taken at the operating system kernel on the CPM card.
ptpPortStatTimeStampPort [Ptp Port Stat Time Stamp Port] (tmnxPtpPortStatTimeStampPort)	long	The value of tmnxPtpPortStatTimeStampPort indicates the accumulated packet statistics for PTP event packets on the Ethernet port where the timestamp is taken at the physical layer on the Ethernet port.
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsTimeStampCpm [Ptp Clk Pkt Stats Time Stamp Cpm] (tmnxPtpClkPktStatsTimeStampCpm)	long	The value of tmnxPtpClkPktStatsTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpClkPktStatsTimeStampPort [Ptp Clk Pkt Stats Time Stamp Port] (tmnxPtpClkPktStatsTimeStampPort)	long	The value of tmnxPtpClkPktStatsTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
<p>PTPStats</p> <p>MIB entry name: aluPtpPeerPacketStatsEntry</p> <p>Entry description: Configuration information concerning IEEE 1588 PTP</p> <p>Table description (for aluPtpPeerPacketStatsTable): This table allows configuration to the IEEE 1588 PTP</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpPeerAlternateMasterDisc [Alu Ptp Peer Alternate Master Disc] (aluPtpPeerAlternateMasterDisc)	java. math. BigInteger	aluPtpPeerAlternateMasterDisc indicates the number of packets discarded on ingress as a result of the processing as described in IEEE P1588 D2.2 section 9.1.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerAnnounceMsgRx [Alu Ptp Peer Announce Msg Rx] (aluPtpPeerAnnounceMsgRx)	java. math. BigInteger	Indicates the number of Announce packets received from the master.
aluPtpPeerAnnounceMsgTx [Alu Ptp Peer Announce Msg Tx] (aluPtpPeerAnnounceMsgTx)	java. math. BigInteger	aluPtpPeerAnnounceMsgTx indicates the number of Announce packets transmitted to the master.
aluPtpPeerBadDomainDisc [Alu Ptp Peer Bad Domain Disc] (aluPtpPeerBadDomainDisc)	java. math. BigInteger	aluPtpPeerBadDomainDisc indicates the number of packets discarded on ingress as a result of the processing as described in IEEE P1588 D2.2 section 9.5.1.
aluPtpPeerBadVersionDisc [Alu Ptp Peer Bad Version Disc] (aluPtpPeerBadVersionDisc)	java. math. BigInteger	aluPtpPeerBadVersionDisc indicates the number of packets discarded on ingress as a result of the IEEE P1588 D2.2 section 7.5.5 version number checking.
aluPtpPeerDelayReqMsgRx [Alu Ptp Peer Delay Req Msg Rx] (aluPtpPeerDelayReqMsgRx)	java. math. BigInteger	Indicates the number of Delay Request packets received from the master.
aluPtpPeerDelayReqMsgTx [Alu Ptp Peer Delay Req Msg Tx] (aluPtpPeerDelayReqMsgTx)	java. math. BigInteger	Indicates the number of Delay Request packets transmitted to the master.
aluPtpPeerDelayRespMsgRx [Alu Ptp Peer Delay Resp Msg Rx] (aluPtpPeerDelayRespMsgRx)	java. math. BigInteger	Indicates the number of Delay Response packets received from the master.
aluPtpPeerDelayRespMsgTx [Alu Ptp Peer Delay Resp Msg Tx] (aluPtpPeerDelayRespMsgTx)	java. math. BigInteger	Indicates the number of Delay Response packets transmitted to the master.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerDuplicateMsgDisc [Alu Ptp Peer Duplicate Msg Disc] (aluPtpPeerDuplicateMsgDisc)	java. math. BigInteger	aluPtpPeerDuplicateMsgDisc indicates the number of packets discarded on ingress as a result of processing described in IEEE P1588 D2.2 section 7.3.7.
aluPtpPeerOutOfOrderSyncPktRx [Alu Ptp Peer Out Of Order Sync Pkt Rx] (aluPtpPeerOutOfOrderSyncPktRx)	java. math. BigInteger	aluPtpPeerOutOfOrderSyncPktRx indicates the number of sync packets discarded on ingress as a sequence number processing
aluPtpPeerSignalingMsgRx [Alu Ptp Peer Signaling Msg Rx] (aluPtpPeerSignalingMsgRx)	java. math. BigInteger	Indicates the number of Signaling packets received from the master.
aluPtpPeerSignalingMsgTx [Alu Ptp Peer Signaling Msg Tx] (aluPtpPeerSignalingMsgTx)	java. math. BigInteger	Indicates the number of Signaling packets transmitted to the master.
aluPtpPeerStepRemovedGreaterThan255Disc [Alu Ptp Peer Step Removed Greater Than 255 Disc] (aluPtpPeerStepRemovedGreaterThan255Disc)	java. math. BigInteger	aluPtpPeerStepRemovedGreaterThan255Disc indicates the number of packets discarded on ingress as a result of processing as described in IEEE P1588 D2.2 section 9.3.2.5.
aluPtpPeerSyncMsgRx [Alu Ptp Peer Sync Msg Rx] (aluPtpPeerSyncMsgRx)	java. math. BigInteger	Indicates the number of Sync packets received from the master.
aluPtpPeerSyncMsgTx [Alu Ptp Peer Sync Msg Tx] (aluPtpPeerSyncMsgTx)	java. math. BigInteger	Indicates the number of Sync packets transmitted to the master.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerTotalUdpEventMsgRx [Alu Ptp Peer Total Udp Event Msg Rx] (aluPtpPeerTotalUdpEventMsgRx)	java. math. BigInteger	Indicates the number of packets received on UDP port 319.
aluPtpPeerTotalUdpEventMsgTx [Alu Ptp Peer Total Udp Event Msg Tx] (aluPtpPeerTotalUdpEventMsgTx)	java. math. BigInteger	Indicates the number of packets transmitted on UDP port 319.
aluPtpPeerTotalUdpGeneralMsgRx [Alu Ptp Peer Total Udp General Msg Rx] (aluPtpPeerTotalUdpGeneralMsgRx)	java. math. BigInteger	Indicates the number of packets received on UDP port 320.
aluPtpPeerTotalUdpGeneralMsgTx [Alu Ptp Peer Total Udp General Msg Tx] (aluPtpPeerTotalUdpGeneralMsgTx)	java. math. BigInteger	Indicates the number of packets transmitted on UDP port 320.
aluPtpPeerUcCancelAckAnnoRx [Alu Ptp Peer Uc Cancel Ack Anno Rx] (aluPtpPeerUcCancelAckAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce cancel acknowledgement packets received.
aluPtpPeerUcCancelAckAnnoTx [Alu Ptp Peer Uc Cancel Ack Anno Tx] (aluPtpPeerUcCancelAckAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce cancel acknowledgement packets transmitted.
aluPtpPeerUcCancelAckDelayRespRx [Alu Ptp Peer Uc Cancel Ack Delay Resp Rx] (aluPtpPeerUcCancelAckDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel acknowledgement packets received.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcCancelAckDelayRespTx [Alu Ptp Peer Uc Cancel Ack Delay Resp Tx] (aluPtpPeerUcCancelAckDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel acknowledgement packets transmitted.
aluPtpPeerUcCancelAckSyncRx [Alu Ptp Peer Uc Cancel Ack Sync Rx] (aluPtpPeerUcCancelAckSyncRx)	java. math. BigInteger	Indicates the number of unicast sync cancel acknowledgement packets received.
aluPtpPeerUcCancelAckSyncTx [Alu Ptp Peer Uc Cancel Ack Sync Tx] (aluPtpPeerUcCancelAckSyncTx)	java. math. BigInteger	Indicates the number of unicast sync cancel acknowledgement packets transmitted.
aluPtpPeerUcCancelAnnoRx [Alu Ptp Peer Uc Cancel Anno Rx] (aluPtpPeerUcCancelAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce cancel request packets received.
aluPtpPeerUcCancelAnnoTx [Alu Ptp Peer Uc Cancel Anno Tx] (aluPtpPeerUcCancelAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce cancel request packets transmitted.
aluPtpPeerUcCancelDelayRespRx [Alu Ptp Peer Uc Cancel Delay Resp Rx] (aluPtpPeerUcCancelDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel packets received.
aluPtpPeerUcCancelDelayRespTx [Alu Ptp Peer Uc Cancel Delay Resp Tx] (aluPtpPeerUcCancelDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel packets transmitted.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcCancelSyncRx [Alu Ptp Peer Uc Cancel Sync Rx] (aluPtpPeerUcCancelSyncRx)	java. math. BigInteger	Indicates the number of unicast sync cancel packets received.
aluPtpPeerUcCancelSyncTx [Alu Ptp Peer Uc Cancel Sync Tx] (aluPtpPeerUcCancelSyncTx)	java. math. BigInteger	Indicates the number of unicast sync cancel packets transmitted.
aluPtpPeerUcGrantAnnoRejected [Alu Ptp Peer Uc Grant Anno Rejected] (aluPtpPeerUcGrantAnnoRejected)	java. math. BigInteger	Indicates the number of times the a Grant indication, for an Announce unicast negotiation, was rejected.
aluPtpPeerUcGrantAnnoRx [Alu Ptp Peer Uc Grant Anno Rx] (aluPtpPeerUcGrantAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce grant packets received.
aluPtpPeerUcGrantAnnoTx [Alu Ptp Peer Uc Grant Anno Tx] (aluPtpPeerUcGrantAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce grant packets transmitted.
aluPtpPeerUcGrantDelayRespRejected [Alu Ptp Peer Uc Grant Delay Resp Rejected] (aluPtpPeerUcGrantDelayRespRejected)	java. math. BigInteger	Indicates the number of times the a Grant indication, for Delay Response unicast negotiations, was rejected.
aluPtpPeerUcGrantDelayRespRx [Alu Ptp Peer Uc Grant Delay Resp Rx] (aluPtpPeerUcGrantDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response grant packets received.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcGrantDelayRespTx [Alu Ptp Peer Uc Grant Delay Resp Tx] (aluPtpPeerUcGrantDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response grant packets transmitted.
aluPtpPeerUcGrantDenyAnnoTx [Alu Ptp Peer Uc Grant Deny Anno Tx] (aluPtpPeerUcGrantDenyAnnoTx)	java. math. BigInteger	Indicates the number of times a unicast request for Announce messages was received but not granted because the requested rate was not supported.
aluPtpPeerUcGrantDenyDelayRespTx [Alu Ptp Peer Uc Grant Deny Delay Resp Tx] (aluPtpPeerUcGrantDenyDelayRespTx)	java. math. BigInteger	Indicates the number of times a unicast request for Delay Response messages was received but not granted because the requested rate was not supported.
aluPtpPeerUcGrantDenySyncTx [Alu Ptp Peer Uc Grant Deny Sync Tx] (aluPtpPeerUcGrantDenySyncTx)	java. math. BigInteger	Indicates the number of times a unicast request for Sync messages was received but not granted because the requested rate was not supported.
aluPtpPeerUcGrantSyncRejected [Alu Ptp Peer Uc Grant Sync Rejected] (aluPtpPeerUcGrantSyncRejected)	java. math. BigInteger	Indicates the number of times the a Grant indication, for Sync unicast negotiations, was rejected.
aluPtpPeerUcGrantSyncRx [Alu Ptp Peer Uc Grant Sync Rx] (aluPtpPeerUcGrantSyncRx)	java. math. BigInteger	Indicates the number of unicast sync grant packets received.
aluPtpPeerUcGrantSyncTx [Alu Ptp Peer Uc Grant Sync Tx] (aluPtpPeerUcGrantSyncTx)	java. math. BigInteger	Indicates the number of unicast sync grant packets transmitted.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcNegRejectsAnno [Alu Ptp Peer Uc Neg Rejects Anno] (aluPtpPeerUcNegRejectsAnno)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the announce message were rejected.
aluPtpPeerUcNegRejectsDelayResp [Alu Ptp Peer Uc Neg Rejects Delay Resp] (aluPtpPeerUcNegRejectsDelayResp)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Delay Response message were rejected.
aluPtpPeerUcNegRejectsSync [Alu Ptp Peer Uc Neg Rejects Sync] (aluPtpPeerUcNegRejectsSync)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the sync message were rejected.
aluPtpPeerUcReqAnnoRx [Alu Ptp Peer Uc Req Anno Rx] (aluPtpPeerUcReqAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce request packets received.
aluPtpPeerUcReqAnnoRxTimeout [Alu Ptp Peer Uc Req Anno Rx Timeout] (aluPtpPeerUcReqAnnoRxTimeout)	java. math. BigInteger	Indicates the number of times the grant for unicast negotiations for the Announce message expired.
aluPtpPeerUcReqAnnoTx [Alu Ptp Peer Uc Req Anno Tx] (aluPtpPeerUcReqAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce request packets transmitted.
aluPtpPeerUcReqAnnoTxTimeout [Alu Ptp Peer Uc Req Anno Tx Timeout] (aluPtpPeerUcReqAnnoTxTimeout)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Announce message failed due to a timeout.
aluPtpPeerUcReqDelayRespRx [Alu Ptp Peer Uc Req Delay Resp Rx] (aluPtpPeerUcReqDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response request packets received.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcReqDelayRespRxTimeout [Alu Ptp Peer Uc Req Delay Resp Rx Timeout] (aluPtpPeerUcReqDelayRespRxTimeout)	java. math. BigInteger	Indicates the number of times the grant for unicast negotiations for the Delay Response message expired.
aluPtpPeerUcReqDelayRespTx [Alu Ptp Peer Uc Req Delay Resp Tx] (aluPtpPeerUcReqDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response request packets transmitted.
aluPtpPeerUcReqDelayRespTxTimeout [Alu Ptp Peer Uc Req Delay Resp Tx Timeout] (aluPtpPeerUcReqDelayRespTxTimeout)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Delay Response message failed due to a timeout.
aluPtpPeerUcReqSyncRx [Alu Ptp Peer Uc Req Sync Rx] (aluPtpPeerUcReqSyncRx)	java. math. BigInteger	Indicates the number of unicast sync request packets received.
aluPtpPeerUcReqSyncRxTimeout [Alu Ptp Peer Uc Req Sync Rx Timeout] (aluPtpPeerUcReqSyncRxTimeout)	java. math. BigInteger	Indicates the number of times the grant for unicast negotiations for the Sync message expired.
aluPtpPeerUcReqSyncTx [Alu Ptp Peer Uc Req Sync Tx] (aluPtpPeerUcReqSyncTx)	java. math. BigInteger	Indicates the number of unicast sync request packets transmitted.
aluPtpPeerUcReqSyncTxTimeout [Alu Ptp Peer Uc Req Sync Tx Timeout] (aluPtpPeerUcReqSyncTxTimeout)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Sync message failed due to a timeout.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PtpClockRecoveryAlgStats</p> <p>MIB entry name: aluPtpPeerClkRecAlgEntry</p> <p>Entry description: Defines an entry in aluPtpPeerClkRecAlgTable. Entries are created and deleted by the system depending on the PTP clock configuration.</p> <p>Table description (for aluPtpPeerClkRecAlgTable): Defines the Nokia 7705 IEEE 1588 PTP recovery statistics table for retrieving statistical information relating to the frequency and time recovery algorithm that is derived from PTP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpFreqRecAcquiringCount [Alu Ptp Freq Rec Acquiring Count] (aluPtpFreqRecAcquiringCount)	long	The number of seconds the frequency recovery algorithm was in Acquiring state.
aluPtpFreqRecExcessFreqErrCnt [Alu Ptp Freq Rec Excess Freq Err Cnt] (aluPtpFreqRecExcessFreqErrCnt)	long	The number of Excessive Frequency Error events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecFreeRunCount [Alu Ptp Freq Rec Free Run Count] (aluPtpFreqRecFreeRunCount)	long	The number of seconds the frequency recovery algorithm was in Free Run state.
aluPtpFreqRecGapResetCnt [Alu Ptp Freq Rec Gap Reset Cnt] (aluPtpFreqRecGapResetCnt)	long	The number of Gap Rest events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecHoldOverCount [Alu Ptp Freq Rec Hold Over Count] (aluPtpFreqRecHoldOverCount)	long	The number of seconds the frequency recovery algorithm was in Holdover state.
aluPtpFreqRecLockedCount [Alu Ptp Freq Rec Locked Count] (aluPtpFreqRecLockedCount)	long	The number of seconds the frequency recovery algorithm was in Locked state.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpFreqRecLossResetCnt [Alu Ptp Freq Rec Loss Reset Cnt] (aluPtpFreqRecLossResetCnt)	long	The number of Packet Loss Reset events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPacketLossCnt [Alu Ptp Freq Rec Packet Loss Cnt] (aluPtpFreqRecPacketLossCnt)	long	The number of Packet Loss events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPdvStepCnt [Alu Ptp Freq Rec Pdv Step Cnt] (aluPtpFreqRecPdvStepCnt)	long	The number of PDV Step events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPhaseTrackCount [Alu Ptp Freq Rec Phase Track Count] (aluPtpFreqRecPhaseTrackCount)	long	The number of seconds the frequency recovery algorithm was in Phase Tracking state.
aluPtpFreqRecTripCnt [Alu Ptp Freq Rec Trip Cnt] (aluPtpFreqRecTripCnt)	long	The number of Trip events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecVarTooHighCnt [Alu Ptp Freq Rec Var Too High Cnt] (aluPtpFreqRecVarTooHighCnt)	long	The number of Variance Too High events that have been detected by the frequency recovery algorithm.
<p>PtpClockRecoveryShortIntvlStats MIB entry name: aluPtpPeerRecClkStatsShortIntvlEntry Entry description: An entry in the IEEE PTP 1588 peer clock recovery interval table. Table description (for aluPtpPeerRecClkStatsShortIntvlTable): The PTP Port Recovered Clock Interval Table contains various statistics collected by 1588 PTP clock recovery instance over the previous 15 minutes. The past 15 minutes are broken into 15 1 minute intervals. Each row in this table represents one such interval (identified by AluPtpPeerRecClkStatsShortIntvlEntry). Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPPeer</p>		

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerIntvlClockIndex [Alu Ptp Peer Intvl Clock Index] (aluPtpPeerIntvlClockIndex)	int	The index of the clock associated with this ptp master/peer.
aluPtpPeerIntvlIndex [Alu Ptp Peer Intvl Index] (aluPtpPeerIntvlIndex)	int	The index of the master/peer associated with this ptp port.
aluPtpPeerIntvlNumber [Alu Ptp Peer Intvl Number] (aluPtpPeerIntvlNumber)	int	A number between 1 and 15, where 1 is the most recently completed 1 minute interval and 15 is the 1 minutes interval completed 14 minutes prior to interval 1.
aluPtpPeerIntvlPhaseErrorMeanNs [Alu Ptp Peer Intvl Phase Error Mean Ns] (aluPtpPeerIntvlPhaseErrorMeanNs)	double	The mean of the phase error from the local oscillator clock in nano seconds during the interval.
aluPtpPeerIntvlPhaseErrorMeanPpb [Alu Ptp Peer Intvl Phase Error Mean Ppb] (aluPtpPeerIntvlPhaseErrorMeanPpb)	double	The mean phase error from the local oscillator clock in parts per billion during the interval.
aluPtpPeerIntvlPhaseErrorStdDevNs [Alu Ptp Peer Intvl Phase Error Std Dev Ns] (aluPtpPeerIntvlPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the interval.
aluPtpPeerIntvlPortIndex [Alu Ptp Peer Intvl Port Index] (aluPtpPeerIntvlPortIndex)	int	The index of the port associated with this ptp master/peer.
aluPtpPeerIntvlUpdateTime [Alu Ptp Peer Intvl Update Time] (aluPtpPeerIntvlUpdateTime)	long	The update time of the ACR interval statistics
aluPtpPeerIntvlValidData [Alu Ptp Peer Intvl Valid Data] (aluPtpPeerIntvlValidData)	boolean	This variable indicates if the data for this interval is valid.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PtpClockRecoveryStats</p> <p>MIB entry name: aluPtpPeerRecClkStatsEntry</p> <p>Entry description: Defines an entry in aluPtpPeerRecClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPtpPeerRecClkStatsTable): Defines the Nokia 7705 IEEE 1588 PTP clock recovery statistics table for retrieving statistical information relating to clock that is derived from the PTP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpPeerCurrent1MinFreqOffsetMeanPpb [Alu Ptp Peer Current 1 Min Freq Offset Mean Ppb] (aluPtpPeerCurrent1MinFreqOffsetMeanPpb)	double	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
aluPtpPeerCurrent1MinFreqOffsetStdDevPpb [Alu Ptp Peer Current 1 Min Freq Offset Std Dev Ppb] (aluPtpPeerCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
aluPtpPeerCurrent1MinPhaseErrorMeanNs [Alu Ptp Peer Current 1 Min Phase Error Mean Ns] (aluPtpPeerCurrent1MinPhaseErrorMeanNs)	double	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.
aluPtpPeerCurrent1MinPhaseErrorMeanPpb [Alu Ptp Peer Current 1 Min Phase Error Mean Ppb] (aluPtpPeerCurrent1MinPhaseErrorMeanPpb)	double	The mean phase error from the local oscillator clock in parts per billion during the first interval.
aluPtpPeerCurrent1MinPhaseErrorStdDevNs [Alu Ptp Peer Current 1 Min Phase Error Std Dev Ns] (aluPtpPeerCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 340 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerCurrent1MinValidData [Alu Ptp Peer Current 1 Min Valid Data] (aluPtpPeerCurrent1MinValidData)	boolean	This variable indicates if the data for the first interval is valid.
aluPtpPeerCurrent24HourFreqOffsetMeanPpb [Alu Ptp Peer Current 24 Hour Freq Offset Mean Ppb] (aluPtpPeerCurrent24HourFreqOffsetMeanPpb)	double	aluPtpPeerCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
aluPtpPeerCurrent24HourFreqOffsetStdDevPpb [Alu Ptp Peer Current 24 Hour Freq Offset Std Dev Ppb] (aluPtpPeerCurrent24HourFreqOffsetStdDevPpb)	long	aluPtpPeerCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
aluPtpPeerMaxShortIntvlMinutes [Alu Ptp Peer Max Short Intvl Minutes] (aluPtpPeerMaxShortIntvlMinutes)	long	aluPtpPeerMaxShortIntvlMinutes the maximum number of aluPtpPeerIntvlNumber.
aluPtpPeerRecLastUpdateTime [Alu Ptp Peer Rec Last Update Time] (aluPtpPeerRecLastUpdateTime)	long	The last time the PTP peer clock recovery statistics were updated
aluPtpPeerTotalMinutesIn24Hour [Alu Ptp Peer Total Minutes In 24 Hour] (aluPtpPeerTotalMinutesIn24Hour)	long	The number of minutes in aluPtpPeerCurrent24HourFreqOffsetMeanPpb and aluPtpPeerCurrent24HourFreqOffsetStdDevPpb
aluPtpPeerTotalShortIntvlMinutes [Alu Ptp Peer Total Short Intvl Minutes] (aluPtpPeerTotalShortIntvlMinutes)	long	aluPtpPeerTotalShortIntvlMinutes is the number of aluPtpPeerIntvlNumber that have valid statistics

Table 341 radioequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadioAnalogueMeasure</p> <p>MIB entry name: aluMwRadioPowerMeasuresEntry</p> <p>Entry description: An entry of the analogue measurements table. Each entry corresponds to a Radio Synchronous or Plesiochronous Physical Interface (RSPI or RPPI).</p> <p>Table description (for aluMwRadioPowerMeasuresTable): This table contains the radio analogue measurements.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface • mwa.PortTermination 		
localDiversityPowerdBm [Local Diversity Powerd Bm] (aluMwRadioLocalDiversityPower)	double	This object represents the local RSL power for SD (combiner) module input. It is an integer with associated measure unit expressed in decade of dBm.
localRxMainPowerdBm [Local Rx Main Powerd Bm] (aluMwRadioLocalRxMainPower)	double	This object represents the local received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the local main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
localTxPowerdBm [Local Tx Powerd Bm] (aluMwRadioLocalTxPower)	double	This object represents the local transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.
remoteDiversityPowerdBm [Remote Diversity Powerd Bm] (aluMwRadioRemoteDiversityPower)	double	This object represents the remote RSL power for SD (combiner) module input. It is a negative integer with associated measure unit expressed in decade of dBm.

Table 341 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteRxMainPowerdBm [Remote Rx Main Powerd Bm] (aluMwRadioRemoteRxMainPower)	double	This object represents the remote received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the remote main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
remoteTxPowerdBm [Remote Tx Powerd Bm] (aluMwRadioRemoteTxPower)	double	This object represents the remote transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.

Table 342 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceReceiveStats</p> <p>MIB entry name: vRtrRipIfStatEntry</p> <p>Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface.</p> <p>Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (vRtrRipIfStatAllRcvBadPackets)	long	vRtrRipIfStatAllRcvBadPackets is the number of RIP updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (vRtrRipIfStatV1BadRoutes)	long	vRtrRipIfStatV1BadRoutes is the number of routes, in valid RIPv1 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (vRtrRipIfStatV1RcvRequests)	long	vRtrRipIfStatV1RcvRequests is the number of RIPv1 request packets received by the RIP process.
v1RequestsIgnored [V1 Requests Ignored] (vRtrRipIfStatV1BadRequests)	long	vRtrRipIfStatV1BadRequests is the number of RIPv1 request packets received by the RIP process that were subsequently discarded for any reason.
v1Updates [V1 Updates] (vRtrRipIfStatV1RcvUpdates)	long	vRtrRipIfStatV1RcvUpdates is the number of RIPv1 response packets received by the RIP process.
v1UpdatesIgnored [V1 Updates Ignored] (vRtrRipIfStatV1BadUpdates)	long	vRtrRipIfStatV1BadUpdates is the number of RIPv1 response packets received by the RIP process which were subsequently discarded for any reason.

Table 342 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (vRtrRipIfStatAuthErrors)	long	vRtrRipIfStatAuthErrors is the number of RIPv2 packets received by the RIP process which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (vRtrRipIfStatV2BadRoutes)	long	vRtrRipIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (vRtrRipIfStatV2RcvRequests)	long	vRtrRipIfStatV2RcvRequests is the number of RIPv2 request packets received by the RIP process.
v2RequestsIgnored [V2 Requests Ignored] (vRtrRipIfStatV2BadRequests)	long	vRtrRipIfStatV2BadRequests is the number of RIPv2 request packets received by the RIP process that were subsequently discarded for any reason.
v2Updates [V2 Updates] (vRtrRipIfStatV2RcvUpdates)	long	vRtrRipIfStatV2RcvUpdates is the number of RIPv2 response packets received by the RIP process.
v2UpdatesIgnored [V2 Updates Ignored] (vRtrRipIfStatV2BadUpdates)	long	vRtrRipIfStatV2BadUpdates is the number of RIPv2 response packets received by the RIP process which were subsequently discarded for any reason.
<p>InterfaceTransmitStats MIB entry name: vRtrRipIfStatEntry Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface. Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface</p>		

Table 342 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (vRtrRipIfStatAllSentUpdates)	long	vRtrRipIfStatAllSentUpdates is the number of all RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (vRtrRipIfStatAllTriggeredUpdates)	long	vRtrRipIfStatAllTriggeredUpdates is the number of triggered RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 343 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 343 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 344 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
DhcpRelayV6Stats MIB entry name: svclfDHCP6MsgStatEntry Entry description: Each row entry represents a collection of counters for each DHCP6 message type for an interface in a service. Entries cannot be created and deleted via SNMP SET operations. Table description (for svclfDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each interface defined in a service for which DHCP6 can be enabled. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.DhcpRelayV6Configuration • rtr.DhcpRelayV6ProxyServer 		
droppedPackets [Dropped Packets] (svclfDHCP6MsgStatsDropped)	long	The value of svclfDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped on this service interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPackets [Received Packets] (svclfdHCP6MsgStatsRcvd)	long	The value of svclfdHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received on this service interface.
transmittedPackets [Transmitted Packets] (svclfdHCP6MsgStatsSent)	long	The value of svclfdHCP6MsgStatsSent indicates the number of DHCP6 packets were sent on this service interface.
<p>InterfaceSecurityStats MIB entry name: aluVRtrIfStatsEntry Entry description: Information about the extensions of vRtrIfStatsTable which represents the statistics per virtual router interface. Table description (for aluVRtrIfStatsTable): Information about the Nokia 7705 SAR extensions to the vRtrIfStatsTable. Supports realtime plotting Supports scheduled collection Monitored class: rtr.NetworkInterface</p>		
aluSARVRtrIfSecBadIcmpTypeDroBytes [Alu SARVRtr If Sec Bad Icmp Type Dro Bytes] (aluVRtrIfSecBadIcmpTypeDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecBadIcmpTypeDroBytes indicates the number of discarded bytes due to unsupported ICMP type on this interface.
aluSARVRtrIfSecBadIcmpTypeDroPkts [Alu SARVRtr If Sec Bad Icmp Type Dro Pkts] (aluVRtrIfSecBadIcmpTypeDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecBadIcmpTypeDroPkts indicates the number of discarded packets due to unsupported ICMP type on this interface.
aluSARVRtrIfSecBadProtoDroBytes [Alu SARVRtr If Sec Bad Proto Dro Bytes] (aluVRtrIfSecBadProtoDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecBadProtoDroBytes indicates the number of discarded bytes due to unsupported protocol on this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfSecBadProtoDroPkts [Alu SARVRtr If Sec Bad Proto Dro Pkts] (aluVRtrIfSecBadProtoDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecBadProtoDroPkts indicates the number of discarded packets due to unsupported protocol on this interface.
aluSARVRtrIfSecBadServiceDroBytes [Alu SARVRtr If Sec Bad Service Dro Bytes] (aluVRtrIfSecBadServiceDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecBadServiceDroBytes indicates the number of discarded bytes due to unsupported service on this interface.
aluSARVRtrIfSecBadServiceDroPkts [Alu SARVRtr If Sec Bad Service Dro Pkts] (aluVRtrIfSecBadServiceDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecBadServiceDroPkts indicates the number of discarded packets due to unsupported service on this interface.
aluSARVRtrIfSecFragmentsDroBytes [Alu SARVRtr If Sec Fragments Dro Bytes] (aluVRtrIfSecFragmentsDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecNoSessionDroBytes indicates the number of discarded bytes due to fragmentation on this interface.
aluSARVRtrIfSecFragmentsDroPkts [Alu SARVRtr If Sec Fragments Dro Pkts] (aluVRtrIfSecFragmentsDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecFragmentsDroPkts indicates the number of discarded fragmented packets on this interface.
aluSARVRtrIfSecNoSessionDroBytes [Alu SARVRtr If Sec No Session Dro Bytes] (aluVRtrIfSecNoSessionDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecNoSessionDroBytes indicates the number of discarded bytes due to no existing session on this interface.
aluSARVRtrIfSecNoSessionDroPkts [Alu SARVRtr If Sec No Session Dro Pkts] (aluVRtrIfSecNoSessionDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecNoSessionDroPkts indicates the number of discarded packets due to no existing session on this interface.
aluSARVRtrIfSecRouteLoopDroBytes [Alu SARVRtr If Sec Route Loop Dro Bytes] (aluVRtrIfSecRouteLoopDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecRouteLoopDroBytes indicates the number of discarded bytes due to routing loop on this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfSecRouteLoopDroPkts [Alu SARVRtr If Sec Route Loop Dro Pkts] (aluVRtrIfSecRouteLoopDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecRouteLoopDroPkts indicates the number of discarded packets due to detection of a routing loop on this interface.
aluSARVRtrIfSecRxV4DiscardBytes [Alu SARVRtr If Sec Rx V4 Discard Bytes] (aluVRtrIfRxV4DiscardBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardBytes indicates the number of total IPv4 received bytes discarded by this interface.
aluSARVRtrIfSecRxV4DiscardPkts [Alu SARVRtr If Sec Rx V4 Discard Pkts] (aluVRtrIfRxV4DiscardPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardPkts indicates the number of total IPv4 received packets discarded by this interface.
aluVRtrIfSecOtherDroBytes [Alu VRtr If Sec Other Dro Bytes] (aluVRtrIfSecOtherDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecOtherDroBytes indicates the number of discarded bytes due to other reasons on this interface.
aluVRtrIfSecOtherDroPkts [Alu VRtr If Sec Other Dro Pkts] (aluVRtrIfSecOtherDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecOtherDroPkts indicates the number of discarded packets due to other reasons on this interface.
<p>NetworkInterfaceEgressStats</p> <p>MIB entry name: aluVrtrIfNetEgrStatsEntry</p> <p>Entry description: Defines an entry in aluVrtrIfNetEgrStatsTable. Entries only exist when a valid aluVrtrIfNetworkEgrQueuePol is assigned to their interface.</p> <p>Table description (for aluVrtrIfNetEgrStatsTable): Defines the Nokia 7x50 SR series network router interface egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the router interface to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: rtr.NetworkInterface</p>		

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressDropInProfOcts [Egress Drop In Prof Octs] (aluVrtrlfNetEgrDroInProfOcts)	java. math. BigInteger	aluVrtrlfNetEgrDroInProfOcts indicates the number of conforming network egress octets dropped on this interface using this queue.
egressDropInProfPkts [Egress Drop In Prof Pkts] (aluVrtrlfNetEgrDroInProfPkts)	java. math. BigInteger	aluVrtrlfNetEgrDroInProfPkts indicates the number of conforming network egress packets dropped on this interface using this queue.
egressDropOutProfOcts [Egress Drop Out Prof Octs] (aluVrtrlfNetEgrDroOutProfOcts)	java. math. BigInteger	aluVrtrlfNetEgrDroOutProfOcts indicates the number of exceeding network egress octets dropped on this interface using this queue.
egressDropOutProfPkts [Egress Drop Out Prof Pkts] (aluVrtrlfNetEgrDroOutProfPkts)	java. math. BigInteger	aluVrtrlfNetEgrDroOutProfPkts indicates the number of exceeding network egress packets dropped on this interface using this queue.
egressFwdInProfOcts [Egress Fwd In Prof Octs] (aluVrtrlfNetEgrFwdInProfOcts)	java. math. BigInteger	aluVrtrlfNetEgrFwdInProfOcts indicates the number of conforming network egress octets forwarded on this interface using this queue.
egressFwdInProfPkts [Egress Fwd In Prof Pkts] (aluVrtrlfNetEgrFwdInProfPkts)	java. math. BigInteger	aluVrtrlfNetEgrFwdInProfPkts indicates the number of conforming network egress packets forwarded on this interface using this queue.
egressFwdOutProfOcts [Egress Fwd Out Prof Octs] (aluVrtrlfNetEgrFwdOutProfOcts)	java. math. BigInteger	aluVrtrlfNetEgrFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this interface using this queue.
egressFwdOutProfPkts [Egress Fwd Out Prof Pkts] (aluVrtrlfNetEgrFwdOutProfPkts)	java. math. BigInteger	aluVrtrlfNetEgrFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this interface using this queue.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQueueIndex [Egress Queue Index] (aluVrtrIfNetEgrQueueIndex)	long	aluVrtrIfNetEgrQueueIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network egress queue for the specified interface in the managed system.
<p>NgeKeygroupStats</p> <p>MIB entry name: aluVRtrIfStatsEntry</p> <p>Entry description: Information about the extensions of vRtrIfStatsTable which represents the statistics per virtual router interface.</p> <p>Table description (for aluVRtrIfStatsTable): Information about the Nokia 7705 SAR extensions to the vRtrIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • service.L3AccessInterface • vprn.NetworkInterface 		
rxBytes [Rx Bytes] (aluVRtrIfKeygroupRxBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxBytes indicates the number of bytes successfully decrypted by the interface.
rxDropInvalidSpiBytes [Rx Drop Invalid Spi Bytes] (aluVRtrIfKeygroupRxDropInvalidSpiBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropInvalidSpiBytes indicates the number of bytes dropped before and during inbound (decryption) processing by the interface. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxDropInvalidSpiPackets [Rx Drop Invalid Spi Packets] (aluVRtrIfKeygroupRxDropInvalidSpiPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropInvalidSpiPkts indicates the number of packets dropped before and during inbound (decryption) processing by the interface. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
rxDropOtherBytes [Rx Drop Other Bytes] (aluVRtrIfKeygroupRxDropOtherBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropOtherBytes indicates the number of bytes dropped before and during inbound (decryption) processing by the interface for unspecified reasons.
rxDropOtherPackets [Rx Drop Other Packets] (aluVRtrIfKeygroupRxDropOtherPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropOtherPkts indicates the number of packets dropped before and during inbound (decryption) processing by the interface for unspecified reasons.
rxPackets [Rx Packets] (aluVRtrIfKeygroupRxPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxPkts indicates the number of packets successfully decrypted by the interface.
txBytes [Tx Bytes] (aluVRtrIfKeygroupTxBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxBytes indicates the number of bytes successfully encrypted by the interface.
txDropBytes [Tx Drop Bytes] (aluVRtrIfKeygroupTxDropBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxDropBytes indicates the number of bytes dropped before and during outbound (encryption) processing by the interface.
txDropPackets [Tx Drop Packets] (aluVRtrIfKeygroupTxDropPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPackets [Tx Packets] (aluVRtrIfKeygroupTxPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxPkts indicates the number of packets successfully encrypted by the interface.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>SarIpInterfaceStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
rxV4Bytes [Rx V4 Bytes] (vRtrIfRxV4Bytes)	java. math. BigInteger	The value of vRtrIfRxV4Bytes indicates the number of bytes in IPv4 packets received by this interface.
rxV4Pkts [Rx V4 Pkts] (vRtrIfRxV4Pkts)	java. math. BigInteger	The value of vRtrIfRxV4Pkts indicates the number of IPv4 packets received by this interface.
rxV6Bytes [Rx V6 Bytes] (vRtrIfRxV6Bytes)	java. math. BigInteger	The value of vRtrIfRxV6Bytes indicates the number of bytes in IPv6 packets received by this interface.
rxV6BytesHigh32 [Rx V6 Bytes High 32] (vRtrIfRxV6BytesHigh32)	long	The value of vRtrIfRxV6BytesHigh32 indicates the high 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6BytesLow32 [Rx V6 Bytes Low 32] (vRtrIfRxV6BytesLow32)	long	The value of vRtrIfRxV6BytesLow32 indicates the lower 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6Pkts [Rx V6 Pkts] (vRtrIfRxV6Pkts)	java. math. BigInteger	The value of vRtrIfRxV6Pkts indicates the number of IPv6 packets received by this interface.
rxV6PktsHigh32 [Rx V6 Pkts High 32] (vRtrIfRxV6PktsHigh32)	long	The value of vRtrIfRxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfRxV6Pkts.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV6PktsLow32 [Rx V6 Pkts Low 32] (vRtrIfRxV6PktsLow32)	long	The value of vRtrIfRxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfRxV6Pkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SarIpInterfaceStatsRxExtra</p> <p>MIB entry name: aluVRtrIfStatsEntry</p> <p>Entry description: Information about the extensions of vRtrIfStatsTable which represents the statistics per virtual router interface.</p> <p>Table description (for aluVRtrIfStatsTable): Information about the Nokia 7705 SAR extensions to the vRtrIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
aluSARVRtrIfRxV4DiscardBlackHoleBytes [Alu SARVRtr If Rx V4 Discard Black Hole Bytes] (aluVRtrIfRxV4DiscardBlackHoleBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardBlackHoleBytes indicates the number of IPv4 received bytes discarded by this interface due to blackhole.
aluSARVRtrIfRxV4DiscardBlackHolePkts [Alu SARVRtr If Rx V4 Discard Black Hole Pkts] (aluVRtrIfRxV4DiscardBlackHolePkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardBlackHolePkts indicates the number of IPv4 received packets discarded by this interface due to blackhole.
aluSARVRtrIfRxV4DiscardDestMartianAddrBytes [Alu SARVRtr If Rx V4 Discard Dest Martian Addr Bytes] (aluVRtrIfRxV4DiscardDestMartianAddrBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestMartianAddrBytes indicates the number of IPv4 received bytes discarded by this interface due to martian destination address.
aluSARVRtrIfRxV4DiscardDestMartianAddrPkts [Alu SARVRtr If Rx V4 Discard Dest Martian Addr Pkts] (aluVRtrIfRxV4DiscardDestMartianAddrPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestMartianAddrPkts indicates the number of IPv4 received packets discarded by this interface due to martian destination address.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardDestUnreachBytes [Alu SARVRtr If Rx V4 Discard Dest Unreach Bytes] (aluVRtrIfRxV4DiscardDestUnreachBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestUnreachBytes indicates the number of IPv4 received bytes discarded by this interface due to destination unreachable.
aluSARVRtrIfRxV4DiscardDestUnreachPkts [Alu SARVRtr If Rx V4 Discard Dest Unreach Pkts] (aluVRtrIfRxV4DiscardDestUnreachPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestUnreachPkts indicates the number of IPv4 received packets discarded by this interface due to destination unreachable.
aluSARVRtrIfRxV4DiscardDirectBcastBytes [Alu SARVRtr If Rx V4 Discard Direct Bcast Bytes] (aluVRtrIfRxV4DiscardDirectBcastBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDirectBcastBytes indicates the number of IPv4 received directed broadcast bytes discarded by this interface due to interface is not enabled for directed broadcast.
aluSARVRtrIfRxV4DiscardDirectBcastPkts [Alu SARVRtr If Rx V4 Discard Direct Bcast Pkts] (aluVRtrIfRxV4DiscardDirectBcastPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDirectBcastPkts indicates the number of IPv4 received directed broadcast packets discarded by this interface due to interface is not enabled for directed broadcast.
aluSARVRtrIfRxV4DiscardFltrActionDropBytes [Alu SARVRtr If Rx V4 Discard Fltr Action Drop Bytes] (aluVRtrIfRxV4DiscardFltrActionDropBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrActionDropBytes indicates the number of IPv4 received bytes discarded by this interface due to filter action as 'drop'.
aluSARVRtrIfRxV4DiscardFltrActionDropPkts [Alu SARVRtr If Rx V4 Discard Fltr Action Drop Pkts] (aluVRtrIfRxV4DiscardFltrActionDropPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrActionDropPkts indicates the number of IPv4 received packets discarded by this interface due to filter action as 'drop'.
aluSARVRtrIfRxV4DiscardFltrNxtHopNotDirectBytes [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Not Direct Bytes] (aluVRtrIfRxV4DiscardFltrNxtHopNotDirectBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopNotDirectBytes indicates the number of IPv4 received bytes discarded by this interface due to PBR filter direct next-hop is not directly connected.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardFltrNxtHopNotDirectPkts [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Not Direct Pkts] (aluVRtrIfRxV4DiscardFltrNxtHopNotDirectPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopNotDirectPkts indicates the number of IPv4 received packets discarded by this interface due to PBR filter direct next-hop is not directly connected.
aluSARVRtrIfRxV4DiscardFltrNxtHopUnreachBytes [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Unreach Bytes] (aluVRtrIfRxV4DiscardFltrNxtHopUnreachBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopUnreachBytes indicates the number of IPv4 received bytes discarded by this interface due to PBR filter next-hop unreachable.
aluSARVRtrIfRxV4DiscardFltrNxtHopUnreachPkts [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Unreach Pkts] (aluVRtrIfRxV4DiscardFltrNxtHopUnreachPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopUnreachPkts indicates the number of IPv4 received packets discarded by this interface due to PBR filter next-hop unreachable.
aluSARVRtrIfRxV4DiscardInvGREProtBytes [Alu SARVRtr If Rx V4 Discard Inv GREProt Bytes] (aluVRtrIfRxV4DiscardInvGREProtBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvGREProtBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid GRE protocol number for MPLS.
aluSARVRtrIfRxV4DiscardInvGREProtPkts [Alu SARVRtr If Rx V4 Discard Inv GREProt Pkts] (aluVRtrIfRxV4DiscardInvGREProtPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvGREProtPkts indicates the number of IPv4 received packets discarded by this interface due to invalid GRE protocol number for MPLS.
aluSARVRtrIfRxV4DiscardInvHdrCRCBytes [Alu SARVRtr If Rx V4 Discard Inv Hdr CRCBytes] (aluVRtrIfRxV4DiscardInvHdrCRCBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvHdrCRCBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid IP header CRC.
aluSARVRtrIfRxV4DiscardInvHdrCRCPkts [Alu SARVRtr If Rx V4 Discard Inv Hdr CRCPkts] (aluVRtrIfRxV4DiscardInvHdrCRCPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvHdrCRCPkts indicates the number of IPv4 received packets discarded by this interface due to invalid IP header CRC.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardInvLenBytes [Alu SARVRtr If Rx V4 Discard Inv Len Bytes] (aluVRtrIfRxV4DiscardInvLenBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvLenBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid length of the IP packet.
aluSARVRtrIfRxV4DiscardInvLenPkts [Alu SARVRtr If Rx V4 Discard Inv Len Pkts] (aluVRtrIfRxV4DiscardInvLenPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvLenPkts indicates the number of IPv4 received packets discarded by this interface due to invalid length of the IP packet.
aluSARVRtrIfRxV4DiscardInvMcastBytes [Alu SARVRtr If Rx V4 Discard Inv Mcast Bytes] (aluVRtrIfRxV4DiscardInvMcastBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvMcastBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid multicast address.
aluSARVRtrIfRxV4DiscardInvMcastPkts [Alu SARVRtr If Rx V4 Discard Inv Mcast Pkts] (aluVRtrIfRxV4DiscardInvMcastPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvMcastPkts indicates the number of IPv4 received packets discarded by this interface due to invalid multicast address.
aluSARVRtrIfRxV4DiscardMtuExceededBytes [Alu SARVRtr If Rx V4 Discard Mtu Exceeded Bytes] (aluVRtrIfRxV4DiscardMtuExceededBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardMtuExceededBytes indicates the number of IPv4 received bytes discarded by this interface due to MTU exceeded.
aluSARVRtrIfRxV4DiscardMtuExceededPkts [Alu SARVRtr If Rx V4 Discard Mtu Exceeded Pkts] (aluVRtrIfRxV4DiscardMtuExceededPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardMtuExceededPkts indicates the number of IPv4 received packets discarded by this interface due to MTU exceeded.
aluSARVRtrIfRxV4DiscardSrcMartianAddrBytes [Alu SARVRtr If Rx V4 Discard Src Martian Addr Bytes] (aluVRtrIfRxV4DiscardSrcMartianAddrBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardSrcMartianAddrBytes indicates the number of IPv4 received bytes discarded by this interface due to martian source address.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardSrcMartianAddrPkts [Alu SARVRtr If Rx V4 Discard Src Martian Addr Pkts] (aluVRtrIfRxV4DiscardSrcMartianAddrPkts)	java. math. BigInte- ger	The value of aluVRtrIfRxV4DiscardSrcMartianAddrPkts indicates the number of IPv4 received packets discarded by this interface due to martian source address.
aluSARVRtrIfRxV4OtherDiscardsBytes [Alu SARVRtr If Rx V4 Other Discards Bytes] (aluVRtrIfRxV4OtherDiscardsBytes)	java. math. BigInte- ger	The value of aluVRtrIfRxV4OtherDiscardsBytes indicates the number of IPv4 received bytes discarded by this interface due to other reasons not specified above.
aluSARVRtrIfRxV4OtherDiscardsPkts [Alu SARVRtr If Rx V4 Other Discards Pkts] (aluVRtrIfRxV4OtherDiscardsPkts)	java. math. BigInte- ger	The value of aluVRtrIfRxV4OtherDiscardsPkts indicates the number of IPv4 received packets discarded by this interface due to other reasons not specified above.
aluSARVRtrIfRxV6DiscardMtuExceededBytes [Alu SARVRtr If Rx V6 Discard Mtu Exceeded Bytes] (aluVRtrIfRxV6DiscardMtuExceededBytes)	java. math. BigInte- ger	The value of aluVRtrIfRxV6DiscardMtuExceededBytes indicates the number of IPv6 received bytes discarded by this interface due to MTU exceeded.
aluSARVRtrIfRxV6DiscardMtuExceededPkts [Alu SARVRtr If Rx V6 Discard Mtu Exceeded Pkts] (aluVRtrIfRxV6DiscardMtuExceededPkts)	java. math. BigInte- ger	The value of aluVRtrIfRxV6DiscardMtuExceededPkts indicates the number of IPv6 received packets discarded by this interface due to MTU exceeded.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>V6RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
v6ActiveNbrEntries [V6 Active Nbr Entries] (vRtrV6StatActiveNbrEntries)	long	vRtrV6StatActiveNbrEntries indicates the number of active V6 neighbor discovery entries for the specified virtual router in the system.
v6AggregateActiveRoutes [V6 Aggregate Active Routes] (vRtrV6AggregateActiveRoutes)	long	vRtrV6AggregateActiveRoutes indicates the current number of active v6 aggregate routes for this instance of the route table.
v6AggregateRoutes [V6 Aggregate Routes] (vRtrV6AggregateRoutes)	long	vRtrV6AggregateRoutes indicates the current number of v6 aggregate routes for this instance of the route table.
v6BgpActiveRoutes [V6 Bgp Active Routes] (vRtrV6BGPAActiveRoutes)	long	vRtrV6BGPAActiveRoutes indicates the current number of v6 active bgp routes for this instance of the route table.
v6BgpRoutes [V6 Bgp Routes] (vRtrV6BGPRoutes)	long	vRtrV6BGPRoutes indicates the current number of v6 bgp routes for this instance of the route table.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6BgpVpnActiveRoutes [V6 Bgp Vpn Active Routes] (vRtrV6StatBGPVpnActiveRoutes)	long	vRtrV6StatBGPVpnActiveRoutes indicates the current number of active VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6BgpVpnRoutes [V6 Bgp Vpn Routes] (vRtrV6StatBGPVpnRoutes)	long	vRtrV6StatBGPVpnRoutes indicates the current number of VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6Dhcpv6NaActiveRoutes [V6 Dhcpv 6 Na Active Routes] (vRtrV6Dhcpv6NaActiveRoutes)	long	The value of vRtrV6Dhcpv6NaActiveRoutes indicates the current number of active IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6NaRoutes [V6 Dhcpv 6 Na Routes] (vRtrV6Dhcpv6NaRoutes)	long	The value of vRtrV6Dhcpv6NaRoutes indicates the current number of IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6PdActiveRoutes [V6 Dhcpv 6 Pd Active Routes] (vRtrV6Dhcpv6PdActiveRoutes)	long	The value of vRtrV6Dhcpv6PdActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6PdExclActiveRoutes [V6 Dhcpv 6 Pd Excl Active Routes] (vRtrV6Dhcpv6PdExclActiveRoutes)	long	The value of vRtrV6Dhcpv6PdExclActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdExclRoutes [V6 Dhcpv 6 Pd Excl Routes] (vRtrV6Dhcpv6PdExclRoutes)	long	The value of vRtrV6Dhcpv6PdExclRoutes indicates the current number of IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdRoutes [V6 Dhcpv 6 Pd Routes] (vRtrV6Dhcpv6PdRoutes)	long	The value of vRtrV6Dhcpv6PdRoutes indicates the current number of IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6TaActiveRoutes [V6 Dhcpv 6 Ta Active Routes] (vRtrV6Dhcpv6TaActiveRoutes)	long	The value of vRtrV6Dhcpv6TaActiveRoutes indicates the current number of active IPv6 DHCPv6 temporary address routes for this instance of the route table.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6Dhcpv6TaRoutes [V6 Dhcpv 6 Ta Routes] (vRtrV6Dhcpv6TaRoutes)	long	The value of vRtrV6Dhcpv6TaRoutes indicates the current number of IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6DirectActiveRoutes [V6 Direct Active Routes] (vRtrV6DirectActiveRoutes)	long	vRtrV6DirectActiveRoutes indicates the current number of v6 active direct routes for this instance of the route table.
v6DirectRoutes [V6 Direct Routes] (vRtrV6DirectRoutes)	long	vRtrV6DirectRoutes indicates the current number of v6 direct routes for this instance of the route table.
v6HostActiveRoutes [V6 Host Active Routes] (vRtrV6HostActiveRoutes)	long	The value of vRtrV6HostActiveRoutes indicates the current number of v6 active direct routes with prefix value 128 for this instance of the route table.
v6HostRoutes [V6 Host Routes] (vRtrV6HostRoutes)	long	The value of vRtrV6HostRoutes indicates the current number of v6 direct routes with prefix value 128 for this instance of the route table.
v6IsisActiveRoutes [V6 Isis Active Routes] (vRtrV6ISISActiveRoutes)	long	vRtrV6ISISActiveRoutes indicates the current number of v6 active isis routes for this instance of the route table.
v6IsisRoutes [V6 Isis Routes] (vRtrV6ISISRoutes)	long	vRtrV6ISISRoutes indicates the current number of v6 isis routes for this instance of the route table.
v6LdpActiveTunnels [V6 Ldp Active Tunnels] (vRtrV6StatActiveLdpTunnels)	long	vRtrV6StatActiveLdpTunnels indicates the current number of v6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.
v6LdpTunnels [V6 Ldp Tunnels] (vRtrV6StatTotalLdpTunnels)	long	vRtrV6StatTotalLdpTunnels indicates the current number of both active and inactive v6 LDP tunnels.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ManagedActiveRoutes [V6 Managed Active Routes] (vRtrV6ManagedActiveRoutes)	long	The value of vRtrV6ManagedActiveRoutes indicates the total number of active IPv6 managed routes for the specified virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrV6ManagedRoutes)	long	The value of vRtrV6ManagedRoutes indicates the total number of active and inactive IPv6 managed routes for the specified virtual router.
v6MulticastRoutes [V6 Multicast Routes] (vRtrV6MulticastRoutes)	long	vRtrV6MulticastRoutes indicates the current number of v6 rows in the vRtrPimNgGrpSrcTable.
v6NatActiveRoutes [V6 Nat Active Routes] (vRtrV6NatActiveRoutes)	long	The value of vRtrV6NatActiveRoutes indicates the current number of IPv6 active NAT routes for this instance of the route table.
v6NatRoutes [V6 Nat Routes] (vRtrV6NatRoutes)	long	The value of vRtrV6NatRoutes indicates the current number of IPv6 NAT routes for this instance of the route table.
v6OspfActiveRoutes [V6 Ospf Active Routes] (vRtrV6OSPFActiveRoutes)	long	vRtrV6OSPFActiveRoutes indicates the current number of v6 active ospf routes for this instance of the route table.
v6OspfRoutes [V6 Ospf Routes] (vRtrV6OSPFRoutes)	long	vRtrV6OSPFRoutes indicates the current number of v6 ospf routes for this instance of the route table.
v6PerActiveRoutes [V6 Per Active Routes] (vRtrV6PeriodicActiveRoutes)	long	The value of vRtrV6PeriodicActiveRoutes indicates the current number of active IPv6 periodic routes for this instance of the route table.
v6PerRoutes [V6 Per Routes] (vRtrV6PeriodicRoutes)	long	The value of vRtrV6PeriodicRoutes indicates the current number of IPv6 periodic routes for this instance of the route table.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RipActiveRoutes [V6 Rip Active Routes] (vRtrV6RIPActiveRoutes)	long	vRtrV6RIPActiveRoutes indicates the current number of active v6 rip routes for this instance of the route table.
v6RipRoutes [V6 Rip Routes] (vRtrV6RIPRoutes)	long	vRtrV6RIPRoutes indicates the current number of v6 rip routes for this instance of the route table.
v6RouterInterfacesActive [V6 Router Interfaces Active] (vRtrV6StatActiveIfs)	long	vRtrV6StatActiveIfs indicates the current number of v6 router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
v6RouterInterfacesConfigured [V6 Router Interfaces Configured] (vRtrV6StatConfiguredIfs)	long	vRtrV6StatConfiguredIfs indicates the current number of v6 router interfaces configured on this virtual router.
v6RoutesInVrf [V6 Routes In Vrf] (vRtrV6StatCurrNumRoutes)	long	vRtrV6StatCurrNumRoutes indicates the current number of v6 routes in the VRF for this virtual router.
v6SdpActiveTunnels [V6 Sdp Active Tunnels] (vRtrV6StatActiveSdpTunnels)	long	vRtrV6StatActiveSdpTunnels indicates the current number of v6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
v6SdpTunnels [V6 Sdp Tunnels] (vRtrV6StatTotalSdpTunnels)	long	vRtrV6StatTotalSdpTunnels indicates the current number of both active and inactive v6 SDP tunnels.
v6StaticActiveRoutes [V6 Static Active Routes] (vRtrV6StaticActiveRoutes)	long	vRtrV6StaticActiveRoutes indicates the current number of v6 active static routes for this instance of the route table.
v6StaticRoutes [V6 Static Routes] (vRtrV6StaticRoutes)	long	vRtrV6StaticRoutes indicates the current number of v6 static routes for this instance of the route table.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6SubMgmtActiveRoutes [V6 Sub Mgmt Active Routes] (vRtrV6SubMgmtActiveRoutes)	long	vRtrV6SubMgmtActiveRoutes indicates the current number of v6 active subscriber management routes for this instance of the route table.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrV6SubMgmtRoutes)	long	vRtrV6SubMgmtRoutes indicates the current number of v6 subscriber management routes for this instance of the route table.
v6TotalNbrEntries [V6 Total Nbr Entries] (vRtrV6StatTotalNbrEntries)	long	vRtrV6StatTotalNbrEntries indicates the total number of active and inactive v6 neighbor discovery entries for the specified virtual router in the system.
v6VpnLeakActiveRoutes [V6 Vpn Leak Active Routes] (vRtrV6VPNLeakActiveRoutes)	long	vRtrV6VPNLeakActiveRoutes indicates the current number of v6 active VPN Leak routes for this instance of the route table.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrV6VPNLeakRoutes)	long	vRtrV6VPNLeakRoutes indicates the current number of v6 VPN Leak routes for this instance of the route table.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIfIcmp6InNbrAdvertisements)	long	The value of vRtrIfIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIfIcmp6InNbrSolicits)	long	The value of vRtrIfIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIfIcmp6InPktTooBigs)	long	The value of vRtrIfIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIfIcmp6InRedirects)	long	The value of vRtrIfIcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIfIcmp6InRtrAdvertisements)	long	The value of vRtrIfIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIflcmp6OutGrpMembReductions)	long	The value of vRtrIflcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIflcmp6OutGrpMembResponses)	long	The value of vRtrIflcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIflcmp6OutNbrAdvertisements)	long	The value of vRtrIflcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIflcmp6OutNbrSolicits)	long	The value of vRtrIflcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.
outTotalMessages [Out Total Messages] (vRtrIflcmp6OutMsgs)	long	The value of vRtrIflcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.

Table 344 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 345 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.

Table 345 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.

Table 345 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats MIB entry name: tmnxTwampSrvConnStatsEntry Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established. Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server. Supports realtime plotting Supports scheduled collection Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 345 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 345 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.

Table 345 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		

Table 345 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 346 securitypolicy statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicerGroupStats</p> <p>MIB entry name: aluSecPolicerGrpOperEntry</p> <p>Entry description: Each row entry represents a particular security app group.</p> <p>Table description (for aluSecPolicerGrpOperTable): The aluSecPolicerGrpOperTable has an entry for each security policer group configured globally on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: securitypolicy.PolicerGroup</p>		
policerFwdBytesPassed [Policer Fwd Bytes Passed] (aluSecPolicerGrpOperFwdBytesPassed)	java. math. BigInteger	Bytes passed thru policer in session forward direction.
policerFwdPktsDrop [Policer Fwd Pkts Drop] (aluSecPolicerGrpOperFwdPktsDrop)	java. math. BigInteger	Pkts dropped by policer in session forward direction.
policerFwdPktsPassed [Policer Fwd Pkts Passed] (aluSecPolicerGrpOperFwdPktsPassed)	java. math. BigInteger	Pkts passed thru policer in session forward direction.
policerGrpId [Policer Grp Id] (aluSecPolicerGrpOperId)	long	The value of the object aluSecPolicerGrpOperId specifies the unique policer group id.
policerGrpOperDescription [Policer Grp Oper Description] (aluSecPolicerGrpOperDescription)	String	Description of this security policer group.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
policerGrpOperName [Policer Grp Oper Name] (aluSecPolicerGrpOperName)	String	Name of the security policer group.
policerGrpRate [Policer Grp Rate] (aluSecPolicerGrpOperRate)	int	The aluSecPolicerGrpOperRate object specifies the maximum ingress bandwidth (in mega-bits per second) that the policer can receive. A value of -1 means that no policing will be performed.
policerGrpRateCbs [Policer Grp Rate Cbs] (aluSecPolicerGrpOperRateCbs)	long	aluSecPolicerGrpOperRateCbs specifies the committed burst size that hard policer can accept while complying to the ingress rate aluSecPolicerGrpOperRate.
policerRevBytesPassed [Policer Rev Bytes Passed] (aluSecPolicerGrpOperRevBytesPassed)	java. math. BigInteger	Bytes passed thru policer in session reverse direction.
policerRevPktsDrop [Policer Rev Pkts Drop] (aluSecPolicerGrpOperRevPktsDrop)	java. math. BigInteger	Pkts dropped by policer in session reverse direction.
policerRevPktsPassed [Policer Rev Pkts Passed] (aluSecPolicerGrpOperRevPktsPassed)	java. math. BigInteger	Pkts passed thru policer in session reverse direction.
policyRefCount [Policy Ref Count] (aluSecPolicerGrpOperPlcyRefCount)	int	Number of policy references.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SecuritySessionStats MIB entry name: aluSecSessionStatsEntry Entry description: Each row entry represents an active session. Table description (for aluSecSessionStatsTable): The aluSecSessionStatsTable has an entry for each active session. Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
fwdBytesPassed [Fwd Bytes Passed] (aluSecSessionFwdBytesPassed)	java. math. BigInteger	Bytes passed thru session in forward direction.
fwdDropActionPkts [Fwd Drop Action Pkts] (aluSecSessionFwdDropActionPkts)	java. math. BigInteger	Packets/Fragments dropped due to session action being drop.
fwdDropIpOptPkts [Fwd Drop Ip Opt Pkts] (aluSecSessionFwdDropIpOptPkts)	java. math. BigInteger	Packets dropped due to containing prohibited IP Options for this session.
fwdDropMaxIcmpErr [Fwd Drop Max Icmp Err] (aluSecSessionFwdDropMaxIcmpErr)	java. math. BigInteger	ICMP Error Packets dropped due to exceeding the maximum number of errors permitted for this session.
fwdDropMaxPkts [Fwd Drop Max Pkts] (aluSecSessionFwdDropMaxPkts)	java. math. BigInteger	Packets dropped due to exceeding the maximum number of packets permitted for this session.
fwdPktsPassed [Fwd Pkts Passed] (aluSecSessionFwdPktsPassed)	java. math. BigInteger	Pkts passed thru session in forward direction.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPolicerDrop [Fwd Policer Drop] (aluSecSessionFwdPolicerDrop)	java. math. BigInteger	Packets dropped due to rate exceeded in policer.
fwdSecDrop [Fwd Sec Drop] (aluSecSessionFwdSecurityDrop)	java. math. BigInteger	Packets dropped due to applications inseptions.
inboundZoneId [Inbound Zone Id] (aluSecSessionInboundZoneId)	long	The value of aluSecSessionInboundZoneId specifies the zone this session is entering.
outboundZoneId [Outbound Zone Id] (aluSecSessionOutboundZoneId)	long	The value of aluSecSessionOutboundZoneId specifies the zone this session is leaving.
revBytesPassed [Rev Bytes Passed] (aluSecSessionRevBytesPassed)	java. math. BigInteger	Bytes passed thru session in reverse direction.
revDropActionPkts [Rev Drop Action Pkts] (aluSecSessionRevDropActionPkts)	java. math. BigInteger	Packets/Fragments dropped due to session action being drop.
revDropIpOptPkts [Rev Drop Ip Opt Pkts] (aluSecSessionRevDropIpOptPkts)	java. math. BigInteger	Packets dropped due to containing prohibited IP Options for this session.
revDropMaxIcmpErr [Rev Drop Max Icmp Err] (aluSecSessionRevDropMaxIcmpErr)	java. math. BigInteger	ICMP Error Packets dropped due to exceeding the maximum number of errors permitted for this session.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
revDropMaxPkts [Rev Drop Max Pkts] (aluSecSessionRevDropMaxPkts)	java. math. BigInteger	Packets dropped due to exceeding the maximum number of packets permitted for this session.
revPktsPassed [Rev Pkts Passed] (aluSecSessionRevPktsPassed)	java. math. BigInteger	Pkts passed thru session in reverse direction.
revPolicerDrop [Rev Policer Drop] (aluSecSessionRevPolicerDrop)	java. math. BigInteger	Packets dropped due to rate exceeded in policer.
revSecDrop [Rev Sec Drop] (aluSecSessionRevSecurityDrop)	java. math. BigInteger	Packets dropped due to applications inspections.
sessionId [Session Id] (aluSecSessionId)	long	The value of aluSecSessionId specifies the session index for this active session.
<p>ZonePolicyStats MIB entry name: aluZonePlcyOperEntry Entry description: Each row entry represents a particular zone entry. Table description (for aluZonePlcyOperTable): The aluZonePlcyOperTable describes the active policy of this zone. This table is a flattened ordered list of rules for this zone based on the security policies that have been activated. Supports realtime plotting Supports scheduled collection Monitored class: securitypolicy.Zone</p>		
isActive [Is Active] (aluZonePlcyOperActive)	boolean	The value of the object aluZonePlcyOperActive indicates whether this rule is active for rule parsing in the zone policy.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ruleActiveSessions [Rule Active Sessions] (aluZonePlcyOperRuleActiveSessions)	java. math. BigInteger	The value of aluZonePlcyOperRuleActiveSessions specifies the number of currently active sessions this rule has outstanding.
ruleHitCount [Rule Hit Count] (aluZonePlcyOperRuleHitCount)	java. math. BigInteger	The value of aluZonePlcyOperRuleHitCount specifies the number of times this rule has been matched.
ruleId [Rule Id] (aluZonePlcyOperRuleId)	long	The value of the object aluZonePlcyOperRuleId rule id of each operational rule in the Zone. The rule id is assigned by the system based on the security policies that have been activated on this zone.
zoneId [Zone Id] (aluZoneOperId)	long	The value of the object aluZoneOperId specifies the unique id of the Zone in the system.
<p>ZoneQueueStats MIB entry name: aluSecZoneStatsEntry Entry description: Each row entry represents stats for a security zone. Table description (for aluSecZoneStatsTable): The aluSecZoneStatsTable has an entry for each security zone Supports realtime plotting Supports scheduled collection Monitored class: securitypolicy.Zone</p>		
rxCtrlQueueAutoBind [Rx Ctrl Queue Auto Bind] (aluSecZoneRxCtrlQueueAutoBind)	boolean	All Auto-Bind zones share a single Rx Control Queue. This object indicates whether this zone row is displaying the aggregates stats for all Auto-Bind Zones
rxCtrlQueueDropBytes [Rx Ctrl Queue Drop Bytes] (aluSecZoneRxCtrlQueueDroBytes)	java. math. BigInteger	Bytes dropped from the Receiving Security Control Queue

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCtrlQueueDropPkts [Rx Ctrl Queue Drop Pkts] (aluSecZoneRxCtrlQueueDroPkts)	java. math. BigInteger	Pkts dropped from the Receiving Security Control Queue
rxCtrlQueueFwdBytes [Rx Ctrl Queue Fwd Bytes] (aluSecZoneRxCtrlQueueFwdBytes)	java. math. BigInteger	Bytes forwarded from the Receiving Security Control Queue to security engine for further inspection
rxCtrlQueueFwdPkts [Rx Ctrl Queue Fwd Pkts] (aluSecZoneRxCtrlQueueFwdPkts)	java. math. BigInteger	Pkts forwarded from the Receiving Security Control Queue to security engine for further inspection
zoneld [Zone Id] (aluSecZoneld)	long	The value of aluSecZoneld specifies the security zone index for this row entry.
ZoneStats MIB entry name: aluZoneOperEntry Entry description: Each row entry represents a particular zone. Table description (for aluZoneOperTable): The aluZoneOperTable has an entry for each zone configured on this system. Supports realtime plotting Supports scheduled collection Monitored class: securitypolicy.Zone		
byPassZoneConfig [By Pass Zone Config] (aluZoneOperBypass)	boolean	The value of aluZoneOperBypass specifies whether this zone is being bypassed.
inActiveSessions [In Active Sessions] (aluZoneOperInActiveSessions)	java. math. BigInteger	The value of the object aluZoneOperInActiveSessions indicates the number of currently active inbound sessions for this zone.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBytesDefAction [In Bytes Def Action] (aluZoneOperInBytesDefAction)	java. math. BigInteger	The number of inbound bytes that the default action was applied.
inBytesDropped [In Bytes Dropped] (aluZoneOperInBytesDropped)	java. math. BigInteger	The number of inbound bytes dropped due to policy.
inDropAction [In Drop Action] (aluZoneOperInDropAction)	java. math. BigInteger	The accumulated number of inbound sessions with drop action.
inFwdAction [In Fwd Action] (aluZoneOperInFwdAction)	java. math. BigInteger	The accumulated number of inbound sessions with forward action.
inIcmpActiveSessions [In Icmp Active Sessions] (aluZoneOperInIcmpActSessions)	java. math. BigInteger	The value of the object aluZoneOperInIcmpActSessions indicates the number of active sessions with protocol ICMP.
inIcmpSessionLimit [In Icmp Session Limit] (aluZoneOperInIcmpSessLimit)	long	The value of the object aluZoneOperInIcmpSessLimit indicates the number of permitted active in sessions with protocol ICMP.
inNatAction [In Nat Action] (aluZoneOperInNatAction)	java. math. BigInteger	The accumulated number of inbound sessions with NAT action.
inOtherActiveSessions [In Other Active Sessions] (aluZoneOperInOthActSessions)	java. math. BigInteger	The value of the object aluZoneOperInOthActiveSessions indicates the number of active sessions of all other protocols.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOtherSessionLimit [In Other Session Limit] (aluZoneOperInOthSessLimit)	long	The value of the object aluZoneOperInOthSessLimit indicates the number of permitted active in sessions of all other protocols.
inPktsDefAction [In Pkts Def Action] (aluZoneOperInPktsDefAction)	java. math. BigInteger	The number of inbound packets that the default action was applied.
inPktsDropped [In Pkts Dropped] (aluZoneOperInPktsDropped)	java. math. BigInteger	The number of inbound packets dropped due to policy.
inSessionCount [In Session Count] (aluZoneOperInSessionCount)	java. math. BigInteger	The value of the object aluZoneOperInSessionCount indicates the total number of inbound sessions ever established for this zone.
inTcpActiveSessions [In Tcp Active Sessions] (aluZoneOperInTcpActSessions)	java. math. BigInteger	The value of the object aluZoneInOperTcpActSessions indicates the number of active sessions with protocol TCP.
inTcpSessionLimit [In Tcp Session Limit] (aluZoneOperInTcpSessLimit)	long	The value of the object aluZoneOperInTcpSessLimit indicates the number of permitted active in sessions with protocol TCP.
inUdpActiveSessions [In Udp Active Sessions] (aluZoneOperInUdpActSessions)	java. math. BigInteger	The value of the object aluZoneInOperUdpActSessions indicates the number of active sessions with protocol UDP.
inUdpSessionLimit [In Udp Session Limit] (aluZoneOperInUdpSessLimit)	long	The value of the object aluZoneOperInUdpSessLimit indicates the number of permitted active in sessions with protocol UDP.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outActiveSessions [Out Active Sessions] (aluZoneOperOutActiveSessions)	java. math. BigInteger	The value of the object aluZoneOperOutActiveSessions indicates the number of currently active outbound sessions for this zone.
outBytesDefAction [Out Bytes Def Action] (aluZoneOperOutBytesDefAction)	java. math. BigInteger	The number of outbound bytes that the default action was applied.
outBytesDropped [Out Bytes Dropped] (aluZoneOperOutBytesDropped)	java. math. BigInteger	The number of outbound bytes dropped due to policy.
outDropAction [Out Drop Action] (aluZoneOperOutDropAction)	java. math. BigInteger	The accumulated number of outbound sessions with drop action.
outFwdAction [Out Fwd Action] (aluZoneOperOutFwdAction)	java. math. BigInteger	The accumulated number of outbound sessions with forward action.
outIcmpActiveSessions [Out Icmp Active Sessions] (aluZoneOperOutIcmpActSessions)	java. math. BigInteger	The value of the object aluZoneOperOutIcmpActSessions indicates the number of active sessions with protocol ICMP.
outIcmpSessionLimit [Out Icmp Session Limit] (aluZoneOperOutIcmpSessLimit)	long	The value of the object aluZoneOperInIcmpSessLimit indicates the number of permitted active out sessions with protocol ICMP.
outNatAction [Out Nat Action] (aluZoneOperOutNatAction)	java. math. BigInteger	The accumulated number of outbound sessions with NAT action.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOtherActiveSessions [Out Other Active Sessions] (aluZoneOperOutOthActSessions)	java. math. BigInteger	The value of the object aluZoneOperOutOthActSessions indicates the number of active sessions of all other protocols.
outOtherSessionLimit [Out Other Session Limit] (aluZoneOperOutOthSessLimit)	long	The value of the object aluZoneOperInOthSessLimit indicates the number of permitted active out sessions of all other protocols.
outPktsDefAction [Out Pkts Def Action] (aluZoneOperOutPktsDefAction)	java. math. BigInteger	The number of outbound packets that the default action was applied.
outPktsDropped [Out Pkts Dropped] (aluZoneOperOutPktsDropped)	java. math. BigInteger	The number of outbound packets dropped due to policy.
outSessionCount [Out Session Count] (aluZoneOperOutSessionCount)	java. math. BigInteger	The value of the object aluZoneOperOutSessionCount indicates the total number of outbound sessions ever established for this zone.
outTcpActiveSessions [Out Tcp Active Sessions] (aluZoneOperOutTcpActSessions)	java. math. BigInteger	The value of the object aluZoneOperOutTcpActSessions indicates the number of active sessions with protocol TCP.
outTcpSessionLimit [Out Tcp Session Limit] (aluZoneOperOutTcpSessLimit)	long	The value of the object aluZoneOperInTcpSessLimit indicates the number of permitted active outsessions with protocol TCP.
outUdpActiveSessions [Out Udp Active Sessions] (aluZoneOperOutUdpActSessions)	java. math. BigInteger	The value of the object aluZoneOperUdpActSessions indicates the number of active sessions with protocol UDP.

Table 346 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outUdpSessionLimit [Out Udp Session Limit] (aluZoneOperOutUdpSessLimit)	long	The value of the object aluZoneOperInUdpSessLimit indicates the number of permitted active out sessions with protocol UDP.
zoneId [Zone Id] (aluZoneOperId)	long	The value of the object aluZoneOperId specifies the unique id of the Zone in the system.
zoneName [Zone Name] (aluZoneOperName)	String	The value of the object aluZoneOperName specifies the name of the Zone in the system.
zonePlcyLastCommit [Zone Plcy Last Commit] (aluZoneOperPlcyLastCommit)	long	The last time a commit was performed on this zone.
zonePlcyRuleCount [Zone Plcy Rule Count] (aluZoneOperPlcyRuleCount)	int	The value of aluZoneOperPlcyRuleCount indicates the number of rules that this policy contains based on the security policies activated on this zone.
zoneSvcId [Zone Svc Id] (aluZoneOperSvcId)	int	Specifies the service this zone belongs to when zone type is 'service'.

Table 347 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>SapBaseStats MIB entry name: sapBaseStatsEntry Entry description: Basic statistics about a specific SAP. Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInte- ger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchip- DroppedPackets)	java. math. BigInte- ger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOf- feredHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOf- feredHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOf- feredLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOf- feredLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.
<p>SapIngQosQueueStats MIB entry name: sapIngQosQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java.math.BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java.math.BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java.math.BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.
<p>Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular testhead session. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the information of test sessions. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional</p>		

Table 347 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 348 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmIPV6FilterStats</p> <p>MIB entry name: tCpmIPV6FilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPV6FilterEntry indexed by the same tCpmIPV6FilterEntryId. Entries are created when tCpmIPV6FilterEntry rows are created.</p> <p>Table description (for tCpmIPV6FilterStatsTable): The tCpmIPV6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPV6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPV6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPV6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPV6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPV6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPV6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPV6FilterEntry with the same index.
<p>CpmIPFilterStats</p> <p>MIB entry name: tCpmIPFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPFilterEntry indexed by the same tCpmIPFilterEntryId. Entries are created when tCpmIPFilterEntry rows are created.</p> <p>Table description (for tCpmIPFilterStatsTable): The tCpmIPFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPFilterEntry</p>		

Table 348 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey</p>		

Table 348 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.

Table 349 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetFarEndLineCurrentStats MIB entry name: sonetFarEndLineCurrentEntry Entry description: An entry in the SONET/SDH Far End Line Current table. Table description (for sonetFarEndLineCurrentTable): The SONET/SDH Far End Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetFarEndLineCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndLineCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineCurrentSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineIntervalStats MIB entry name: sonetFarEndLineIntervalEntry Entry description: An entry in the SONET/SDH Far End Line Interval table. Table description (for sonetFarEndLineIntervalTable): The SONET/SDH Far End Line Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndLineIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineIntervalSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathCurrentStats</p> <p>MIB entry name: sonetFarEndPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Current table.</p> <p>Table description (for sonetFarEndPathCurrentTable): The SONET/SDH Far End Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndPathCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathCurrentSEs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathCurrentUAs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathIntervalStats</p> <p>MIB entry name: sonetFarEndPathIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Interval table.</p> <p>Table description (for sonetFarEndPathIntervalTable): The SONET/SDH Far End Path Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndPathIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathIntervalSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
<p>SonetFarEndVtCurrentStats MIB entry name: sonetFarEndVtCurrentEntry Entry description: An entry in the SONET/SDH Far End VT Current table. Table description (for sonetFarEndVtCurrentTable): The SONET/SDH Far End VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVtCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndVtCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVtCurrentSEsS)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVtCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndVTIntervalStats MIB entry name: sonetFarEndVTIntervalEntry Entry description: An entry in the SONET/SDH Far End VT Interval table. Table description (for sonetFarEndVTIntervalTable): The SONET/SDH Far End VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVTIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndVTIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVTIntervalSESS)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVTIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineCurrentStats MIB entry name: sonetLineCurrentEntry Entry description: An entry in the SONET/SDH Line Current table. Table description (for sonetLineCurrentTable): The SONET/SDH Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval.
currentStatus [Current Status] (sonetLineCurrentStatus)	long	This variable indicates the status of the interface. The sonetLineCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetLineNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetLineNoDefect 2 sonetLineAIS 4 sonetLineRDI
erroredSeconds [Errored Seconds] (sonetLineCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetLineCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetLineIntervalStats MIB entry name: sonetLineIntervalEntry Entry description: An entry in the SONET/SDH Line Interval table. Table description (for sonetLineIntervalTable): The SONET/SDH Line Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetLineIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetLineIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetLineIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetPathCurrentStats</p> <p>MIB entry name: sonetPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Path Current table.</p> <p>Table description (for sonetPathCurrentTable): The SONET/SDH Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval.
currentStatus [Current Status] (sonetPathCurrentStatus)	long	This variable indicates the status of the interface. The sonetPathCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetPathNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetPathNoDefect 2 sonetPathSTSLOP 4 sonetPathSTSAIS 8 sonetPathSTSRDI 16 sonetPathUnequipped 32 sonetPathSignalLabelMismatch
currentWidth [Current Width] (sonetPathCurrentWidth)	int	A value that indicates the type of the SONET/SDH Path. For SONET, the assigned types are the STS-Nc SPEs, where N = 1, 3, 12, 24, 48, 192 and 768. STS-1 is equal to 51.84 Mbps. For SDH, the assigned types are the STM-Nc VCs, where N = 1, 4, 16, 64 and 256.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetPathCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetPathCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval.
<p>SonetPathIntervalStats MIB entry name: sonetPathIntervalEntry Entry description: An entry in the SONET/SDH Path Interval table. Table description (for sonetPathIntervalTable): The SONET/SDH Path Interval table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetPathIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalNumber [Interval Number] (sonetPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathIntervalSEs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetPathIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in a particular 15-minute interval in the past 24 hours.
<p>SonetSectionCurrentStats MIB entry name: sonetSectionCurrentEntry Entry description: An entry in the SONET/SDH Section Current table. Table description (for sonetSectionCurrentTable): The SONET/SDH Section Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetSectionCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval.
currentStatus [Current Status] (sonetSectionCurrentStatus)	long	This variable indicates the status of the interface. The sonetSectionCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetSectionNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetSectionNoDefect 2 sonetSectionLOS 4 sonetSectionLOF

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetSectionCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionCurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
SonetSectionIntervalStats MIB entry name: sonetSectionIntervalEntry Entry description: An entry in the SONET/SDH Section Interval table. Table description (for sonetSectionIntervalTable): The SONET/SDH Section Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetSectionIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetSectionIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionIntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionIntervalSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
SonetVtCurrentStats MIB entry name: sonetVtCurrentEntry Entry description: An entry in the SONET/SDH VT Current table. Table description (for sonetVtCurrentTable): The SONET/SDH VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVtCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in the current 15 minute interval.
currentStatus [Current Status] (sonetVtCurrentStatus)	long	This variable indicates the status of the interface. The sonetVtCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects and failures simultaneously. The sonetVTNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetVTNoDefect 2 sonetVTLOP 4 sonetVtPathAIS 8 sonetVtPathRDI 16 sonetVtPathRFI 32 sonetVTUnequipped 64 sonetVTSignalLabelMismatch
currentWidth [Current Width] (sonetVtCurrentWidth)	int	A value that indicates the type of the SONET VT and SDH VC. Assigned widths are VT1.5/VC11, VT2/VC12, VT3, VT6/VC2, and VT6c.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetVTCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetVTCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetVTCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in the current 15 minute interval.
<p>SonetVTIntervalStats MIB entry name: sonetVTIntervalEntry Entry description: An entry in the SONET/SDH VT Interval table. Table description (for sonetVTIntervalTable): The SONET/SDH VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetVTIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetVTIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 349 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredSeconds [Severely Errored Seconds] (sonetVTIntervalSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetVTIntervalUASSs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in a particular 15-minute interval in the past 24 hours.

Table 350 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: aluSdpBindStatsEntry Entry description: Additional 7705 SAR stats for a specific SDP Binding. Table description (for aluSdpBindStatsTable): An extended table that contains 7705 SAR specific SDP Binding stats. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressDroppedPackets [Egress Dropped Packets] (aluSdpBindBaseStatsEgress- DroppedPackets)	java. math. BigInte- ger	The value of aluSdpBindBaseStatsEgressDroppedPackets indicates the number of packets dropped egressing the sdp binding.
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmPsnpgErrorStats</p> <p>MIB entry name: sdpBindIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindIgmPsnpgStatsEntry is an entry in the sdpBindIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindIgmPsnpgStatsTable): sdpBindIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgImportPolicyDrops [Sdp Bnd Igm Psnpg Import Policy Drops] (sdpBndIgmPsnpgImportPolicyDrops)	long	The value of the object sdpBndIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumGroupsDrops [Sdp Bnd IgmP Snpg Max Num Groups Drops] (sdpBndIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmPsnpgMaxNumGrpSourcesDrops [Sdp Bnd IgmP Snpg Max Num Grp Sources Drops] (sdpBndIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SDP Bind.
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd IgmP Snpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdplInfoEntry Entry description: Information about a specific SDP. Table description (for sdplInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		

Table 350 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 351 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveClockRecoveryStats</p> <p>MIB entry name: aluPortAcrClkStatsEntry</p> <p>Entry description: Defines an entry in aluPortAcrClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortAcrClkStatsTable): Defines the Nokia SAR series port adaptive clock recovery (ACR) statistics table for providing, via SNMP, the capability of retrieving statistical information relating to clock that is derived from the ACR CPIPE PW.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
freqOffsetMeanPastDay [Freq Offset Mean Past Day] (aluCurrent24HourFreqOffsetMeanPpb)	long	aluCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetMeanPastMinute [Freq Offset Mean Past Minute] (aluCurrent1MinFreqOffsetMeanPpb)	long	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
freqOffsetStdDevPastDay [Freq Offset Std Dev Past Day] (aluCurrent24HourFreqOffsetStdDevPpb)	long	aluCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetStdDevPastMinute [Freq Offset Std Dev Past Minute] (aluCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
phaseErrorMeanPastMinuteTime [Phase Error Mean Past Minute Time] (aluCurrent1MinPhaseErrorMeanNs)	long	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
phaseErrorStdDevPastMinute [Phase Error Std Dev Past Minute] (aluCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.
<p>DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.
<p>DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLEs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSEs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3CurrentStats MIB entry name: dsx3CurrentEntry Entry description: An entry in the DS3/E3 Current table. Table description (for dsx3CurrentTable): The DS3/E3 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3CurrentCCVs)	long	The number of C-bit Coding Violations.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitErroredSeconds [CBit Errored Seconds] (dsx3CurrentCESs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3CurrentCSEs)	long	The number of C-bit Severely Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx3CurrentLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3CurrentLESSs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx3CurrentPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3CurrentPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3CurrentPSEs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3CurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3CurrentUASs)	long	The counter associated with the number of Unavailable Seconds.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3FarEndCurrentStats</p> <p>MIB entry name: dsx3FarEndCurrentEntry</p> <p>Entry description: An entry in the DS3 Far End Current table.</p> <p>Table description (for dsx3FarEndCurrentTable): The DS3 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end block error code within the C-bits.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndCurrentCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndCurrentCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndCurrentCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx3FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx3FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
timeElapsed [Time Elapsed] (dsx3FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndCurrentUASs)	long	The counter associated with the number of Far End unavailable seconds.
validIntervals [Valid Intervals] (dsx3FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS3FarEndIntervalStats MIB entry name: dsx3FarEndIntervalEntry Entry description: An entry in the DS3 Far End Interval table. Table description (for dsx3FarEndIntervalTable): The DS3 Far End Interval Table contains various statistics collected by each DS3 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndIntervalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndIntervalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in one of the previous 96, individual 15 minute, intervals. In the case where the agent is a proxy and data is not available, return noSuchInstance.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndIntervalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
unavailableSeconds [Unavailable Seconds] (dsx3FarEndIntervalUASs)	long	The counter associated with the number of Far End unavailable seconds.
<p>DS3FarEndTotalStats MIB entry name: dsx3FarEndTotalEntry Entry description: An entry in the DS3 Far End Total table. Table description (for dsx3FarEndTotalTable): The DS3 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndTotalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndTotalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndTotalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndTotalUASs)	long	The counter associated with the number of Far End unavailable seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>DS3IntervalStats</p> <p>MIB entry name: dsx3IntervalEntry</p> <p>Entry description: An entry in the DS3/E3 Interval table.</p> <p>Table description (for dsx3IntervalTable): The DS3/E3 Interval Table contains various statistics collected by each DS3/E3 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx3IntervalNumber) and for one specific interface (identified by dsx3IntervalIndex).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3IntervalCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3IntervalCESs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3IntervalCSESs)	long	The number of C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineCodingViolations [Line Coding Violations] (dsx3IntervalLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3IntervalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences).
pBitCodingViolations [PBit Coding Violations] (dsx3IntervalPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3IntervalPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3IntervalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3IntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3IntervalUASs)	long	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS3TotalStats MIB entry name: dsx3TotalEntry Entry description: An entry in the DS3/E3 Total table. Table description (for dsx3TotalTable): The DS3/E3 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3TotalCCVs)	long	The number of C-bit Coding Violations encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3TotalCESSs)	long	The number of C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3TotalCSESs)	long	The number of C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx3TotalLCVs)	long	The counter associated with the number of Line Coding Violations encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx3TotalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences) encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx3TotalPCVs)	long	The counter associated with the number of P-bit Coding Violations, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitErroredSeconds [PBit Errored Seconds] (dsx3TotalPESs)	long	The counter associated with the number of P-bit Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3TotalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3TotalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds, encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx3TotalUASs)	long	The counter associated with the number of Unavailable Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>VoiceChanStats</p> <p>MIB entry name: aluVoiceEntry</p> <p>Entry description: Each row entry represents a Voice channel on an IOM card in a chassis in the system. Channel entries for voice ports can be created and deleted via SNMP SET operations. For each aluVoiceEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for aluVoiceTable): aluVoiceTable has an entry for each Voice channel on an IOM card in each chassis in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.VoiceChannel</p>		
answeredIncomingCallTime [Answered Incoming Call Time] (aluVoiceIncomingCallTimeAns)	long	The total duration (in seconds) of all incoming calls that were answered. This count is accumulated since the last time the statistics were cleared.

Table 351 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
answeredIncomingCalls [Answered Incoming Calls] (aluVoiceIncomingCallCountAns)	long	The number of incoming calls (received by the circuit) that were answered. This count is accumulated since the last time the statistics were cleared.
answeredOutgoingCallTime [Answered Outgoing Call Time] (aluVoiceOutgoingCallTimeAns)	long	The total duration (in seconds) of all outgoing calls that were answered. This count is accumulated since the last time the statistics were cleared.
answeredOutgoingCalls [Answered Outgoing Calls] (aluVoiceOutgoingCallCountAns)	long	The number of outgoing calls (originated by the circuit) that were answered. This count is accumulated since the last time the statistics were cleared.
idleTime [Idle Time] (aluVoiceIdleTime)	long	The time in seconds for which the circuit was idle. This count is accumulated since the last time the statistics were cleared.
incomingCallTime [Incoming Call Time] (aluVoiceIncomingCallTime)	long	The total duration (in seconds) of all incoming calls. This count is accumulated since the last time the statistics were cleared.
incomingCalls [Incoming Calls] (aluVoiceIncomingCallCount)	long	The number of incoming calls (received by the circuit). This count is accumulated since the last time the statistics were cleared.
outOfServiceTime [Out Of Service Time] (aluVoiceOutOfServiceTime)	long	The time in seconds for which the circuit was unavailable for connection. This count is accumulated since the last time the statistics were cleared.
outgoingCallTime [Outgoing Call Time] (aluVoiceOutgoingCallTime)	long	The total duration (in seconds) of all outgoing calls. This count is accumulated since the last time the statistics were cleared.
outgoingCalls [Outgoing Calls] (aluVoiceOutgoingCallCount)	long	The number of outgoing calls (originated by the circuit). This count is accumulated since the last time the statistics were cleared.

Table 352 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping</p>		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
tmnxPimSnpgIfRxBadEncodings [Tmnx Pim Snpg If Rx Bad Encodings] (tmnxPimSnpgIfRxBadEncodings)	long	The value of tmnxPimSnpgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
tmnxPimSnpgIfRxBadVersionDscrd [Tmnx Pim Snpg If Rx Bad Version Dscrd] (tmnxPimSnpgIfRxBadVersionDscrd)	long	The value of tmnxPimSnpgIfRxBadVersionDscrd indicates the number of PIM messages with bad versions received on this interface.
tmnxPimSnpgIfRxHellos [Tmnx Pim Snpg If Rx Hellos] (tmnxPimSnpgIfRxHellos)	long	The value of tmnxPimSnpgIfRxHellos indicates the number of PIM hello messages received on this interface.
tmnxPimSnpgIfRxHellosDropped [Tmnx Pim Snpg If Rx Hellos Dropped] (tmnxPimSnpgIfRxHellosDropped)	long	The value of tmnxPimSnpgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfRxJoinPruneErrs [Tmnx Pim Snpg If Rx Join Prune Errs] (tmnxPimSnpgIfRxJoinPruneErrs)	long	The value of tmnxPimSnpgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
tmnxPimSnpgIfRxJoinPrunes [Tmnx Pim Snpg If Rx Join Prunes] (tmnxPimSnpgIfRxJoinPrunes)	long	The value of tmnxPimSnpgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
tmnxPimSnpgIfRxNbrUnknown [Tmnx Pim Snpg If Rx Nbr Unknown] (tmnxPimSnpgIfRxNbrUnknown)	long	The value of tmnxPimSnpgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
tmnxPimSnpgIfRxPkts [Tmnx Pim Snpg If Rx Pkts] (tmnxPimSnpgIfRxPkts)	long	The value of tmnxPimSnpgIfRxPkts indicates the number of multicast data packets received on this interface.
tmnxPimSnpgIfSGTypes [Tmnx Pim Snpg If SGTypes] (tmnxPimSnpgIfSGTypes)	long	The value of tmnxPimSnpgIfSGTypes indicates the number of (S,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfStarGTypes [Tmnx Pim Snpg If Star GTypes] (tmnxPimSnpgIfStarGTypes)	long	The value of tmnxPimSnpgIfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfTxJoinPrunes [Tmnx Pim Snpg If Tx Join Prunes] (tmnxPimSnpgIfTxJoinPrunes)	long	The value of tmnxPimSnpgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpgIfTxPkts [Tmnx Pim Snpg If Tx Pkts] (tmnxPimSnpgIfTxPkts)	long	The value of tmnxPimSnpgIfTxPkts indicates the number of multicast data packets transmitted on this interface.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfacelgmpSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (saplgmpSnpgMaxNumGroupsDrops)	long	The value of the object saplgmpSnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpgMaxNumGrpSourcesDrops [Sap Igmp Snpg Max Num Grp Sources Drops] (saplgmpSnpgMaxNumGrpSrcsDrops)	long	The value of the object saplgmpSnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SAP.
saplgmpSnpgMaxNumSourcesDrops [Sap Igmp Snpg Max Num Sources Drops] (saplgmpSnpgMaxNumSourcesDrops)	long	The value of the object saplgmpSnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
saplgmpSnpgMcacPolicyDrops [Sap Igmp Snpg Mcac Policy Drops] (saplgmpSnpgMcacPolicyDrops)	long	The value of the object saplgmpSnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGmcsFailures [Sap Igmp SnpG Mcs Failures] (saplgmpSnpGmcsFailures)	long	The value of the object saplgmpSnpGmcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
saplgmpSnpGRxBadEncodedPkts [Sap Igmp SnpG Rx Bad Encoded Pkts] (saplgmpSnpGRxBadEncodedPkts)	long	The value of the object saplgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpGRxBadIgmpChkSmPkts [Sap Igmp SnpG Rx Bad Igmp ChkSm Pkts] (saplgmpSnpGRxBadIgmpChkSmPkts)	long	The value of the object saplgmpSnpGRxBadIgmpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpGRxBadIpChkSmPkts [Sap Igmp SnpG Rx Bad Ip ChkSm Pkts] (saplgmpSnpGRxBadIpChkSmPkts)	long	The value of the object saplgmpSnpGRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.
saplgmpSnpGRxBadLenPkts [Sap Igmp SnpG Rx Bad Len Pkts] (saplgmpSnpGRxBadLenPkts)	long	The value of the object saplgmpSnpGRxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpGRxNoRtrAlertPkts [Sap Igmp SnpG Rx No Rtr Alert Pkts] (saplgmpSnpGRxNoRtrAlertPkts)	long	The value of the object saplgmpSnpGRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpGRxWrongVersionPkts [Sap Igmp SnpG Rx Wrong Version Pkts] (saplgmpSnpGRxWrongVersionPkts)	long	The value of the object saplgmpSnpGRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpGRxZeroSrcAdrPkts [Sap Igmp SnpG Rx Zero Src Adr Pkts] (saplgmpSnpGRxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpGRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGSendQueryCfgDrops [Sap Igmp SnpG Send Query Cfg Drops] (saplgmpSnpGSendQueryCfgDrops)	long	The value of the object saplgmpSnpGSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpGCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmPStats</p> <p>MIB entry name: saplgmpSnpGStatsEntry</p> <p>Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpGFwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGFwdGenQueries)	long	The value of the object saplgmpSnpGFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGFwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGFwdGrpSpecQueries)	long	The value of the object saplgmpSnpGFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGFwdSrcSpecQueries [Sap Igmp SnpG Fwd Src Spec Queries] (saplgmpSnpGFwdSrcSpecQueries)	long	The value of the object saplgmpSnpGFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
saplgmpSnpGFwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGFwdUnknownType)	long	The value of the object saplgmpSnpGFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
saplgmpSnpGRxSrcSpecQueries [Sap Igmp SnpG Rx Src Spec Queries] (saplgmpSnpGRxSrcSpecQueries)	long	The value of the object saplgmpSnpGRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpGRxUnknownType [Sap Igmp SnpG Rx Unknown Type] (saplgmpSnpGRxUnknownType)	long	The value of the object saplgmpSnpGRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpGRxV1Reports [Sap Igmp SnpG Rx V1 Reports] (saplgmpSnpGRxV1Reports)	long	The value of the object saplgmpSnpGRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxV1Reports [Sap Igmp Snpgrx Tx V1 Reports] (saplgmpSnpgrxTxV1Reports)	long	The value of the object saplgmpSnpgrxTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpgrxTxV2Leaves [Sap Igmp Snpgrx Tx V2 Leaves] (saplgmpSnpgrxTxV2Leaves)	long	The value of the object saplgmpSnpgrxTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpgrxTxV2Reports [Sap Igmp Snpgrx Tx V2 Reports] (saplgmpSnpgrxTxV2Reports)	long	The value of the object saplgmpSnpgrxTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxV3Reports [Sap Igmp Snpg Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMldSnpgErrorStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'.
<p>L2AccessInterfaceMldSnpgStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.
L2AccessIrfDhcpRelayCfgStats MIB entry name: sapTlsDhcpStatsEntry Entry description: DHCP statistics for a TLS SAP. Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgErrorStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'. SdpBindingMldSnpgStats MIB entry name: sdpBindMldSnpgStatsEntry Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SDP Bind in a TIs. Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SdpBindingMldSnpgCfg

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.
numStarGTypes [Num Star GTypes] (tmnxPimSnpgGenStatsStarGTypes)	long	The value of tmnxPimSnpgGenStatsStarGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'starG'.

Table 352 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteSourceGroupRecordPimSnoopingStats</p> <p>MIB entry name: tmnxPimSnpGGrpSrcStatsEntry</p> <p>Entry description: An entry in the tmnxPimSnpGGrpSrcStatsTable.</p> <p>Table description (for tmnxPimSnpGGrpSrcStatsTable): tmnxPimSnpGGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpGGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpGGrpSrcStatsFwdedOct [Tmnx Pim SnpG Grp Src Stats Fwded Oct] (tmnxPimSnpGGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpGGrpSrcStatsFwdedPkts [Tmnx Pim SnpG Grp Src Stats Fwded Pkts] (tmnxPimSnpGGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.

Table 353 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 353 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
<p>InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance</p>		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 353 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

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26.1 Performance statistics counters

26.1.1 Counters

Table 354 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 354 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpExceptionHitCountStats MIB entry name: aluNgeCompliances Supports realtime plotting Supports scheduled collection Monitored class: acfilter.IpExceptionFilterEntry		
egressHitByteCount [Egress Hit Byte Count] (aluNgeIPExceptEgressHitByteCount)	java. math. BigInteger	The compliance statement for management of group encryption on Nokia 7705 systems.
egressHitCount [Egress Hit Count] (aluNgeIPExceptEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (aluNgeIPExceptIngrHitByteCount)	java. math. BigInteger	This object indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (aluNgeIPExceptIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 354 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 354 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 355 apipe statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapAGBaseStats MIB entry name: aluSapAGBaseStatsEntry Entry description: Basic statistics about a specific SAP Aggregation Group. Table description (for aluSapAGBaseStatsTable): A table that contains basic statistics of a SAP Aggregation Group. Supports realtime plotting Supports scheduled collection Monitored class: apipe.SapAggregationGroup</p>		
sapAGBaseStatsAuthentication- PktsDiscarded [Sap AGBase Stats Authentication Pkts Discarded] (aluSapAGBaseStatsAuthentica- tionPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
sapAGBaseStatsAuthentication- PktsSuccess [Sap AGBase Stats Authentication Pkts Success] (aluSapAGBaseStatsAuthentica- tionPktsSuccess)	long	The number of DHCP packets successfully authenticated.
sapAGBaseStatsCustId [Sap AGBase Stats Cust Id] (aluSapAGBaseStatsCustId)	long	The Customer ID for the associated service.
sapAGBaseStatsEgressDropped- InProfOctets [Sap AGBase Stats Egress Dropped In Prof Octets] (aluSapAGBaseStatsEgressDrop- pedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsEgressDropped- InProfPackets [Sap AGBase Stats Egress Dropped In Prof Packets] (aluSapAGBaseStatsEgressDrop- pedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsEgressDropped- OutProfOctets [Sap AGBase Stats Egress Dropped Out Prof Octets] (aluSapAGBaseStatsEgress- DroppedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsEgressDropped- OutProfPackets [Sap AGBase Stats Egress Dropped Out Prof Packets] (aluSapAGBaseStatsEgress- DroppedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsEgressForward- edInProfOctets [Sap AGBase Stats Egress Forwarded In Prof Octets] (aluSapAGBaseStatsEgressFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded.
sapAGBaseStatsEgressForward- edInProfPackets [Sap AGBase Stats Egress Forwarded In Prof Packets] (aluSapAGBaseStatsEgressFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsEgressForwardedOutProfOctets [Sap AGBase Stats Egress Forwarded Out Prof Octets] (aluSapAGBaseStatsEgressForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded.
sapAGBaseStatsEgressForwardedOutProfPackets [Sap AGBase Stats Egress Forwarded Out Prof Packets] (aluSapAGBaseStatsEgressForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded.
sapAGBaseStatsIngressDroppedHiPrioOctets [Sap AGBase Stats Ingress Dropped Hi Prio Octets] (aluSapAGBaseStatsIngressDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsIngressDroppedHiPrioPackets [Sap AGBase Stats Ingress Dropped Hi Prio Packets] (aluSapAGBaseStatsIngressDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsIngressDroppedLoPrioOctets [Sap AGBase Stats Ingress Dropped Lo Prio Octets] (aluSapAGBaseStatsIngressDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsIngressDropped-LoPrioPackets [Sap AGBase Stats Ingress Dropped Lo Prio Packets] (aluSapAGBaseStatsIngress-DroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP Aggregation Group's ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGBaseStatsIngressDroppedOctets [Sap AGBase Stats Ingress Dropped Octets] (aluSapAGBaseStatsIngress-DroppedOctets)	java. math. BigInteger	The number of octets dropped in ingress due to: SAP state, bad checksum, etc.
sapAGBaseStatsIngressDroppedPackets [Sap AGBase Stats Ingress Dropped Packets] (aluSapAGBaseStatsIngress-DroppedPackets)	java. math. BigInteger	The number of packets dropped in ingress due to: SAP state, bad checksum, etc.
sapAGBaseStatsIngressForwardedInProfOctets [Sap AGBase Stats Ingress Forwarded In Prof Octets] (aluSapAGBaseStatsIngressForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded.
sapAGBaseStatsIngressForwardedInProfPackets [Sap AGBase Stats Ingress Forwarded In Prof Packets] (aluSapAGBaseStatsIngressForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsIngressForwardedOutProfOctets [Sap AGBase Stats Ingress Forwarded Out Prof Octets] (aluSapAGBaseStatsIngressForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded.
sapAGBaseStatsIngressForwardedOutProfPackets [Sap AGBase Stats Ingress Forwarded Out Prof Packets] (aluSapAGBaseStatsIngressForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded.
sapAGBaseStatsIngressOfferedHiPrioOctets [Sap AGBase Stats Ingress Offered Hi Prio Octets] (aluSapAGBaseStatsIngressOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets offered, as determined by the SAP Aggregation Group's ingress QoS policy.
sapAGBaseStatsIngressOfferedHiPrioPackets [Sap AGBase Stats Ingress Offered Hi Prio Packets] (aluSapAGBaseStatsIngressOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets offered, as determined by the SAP Aggregation Group's ingress QoS policy.
sapAGBaseStatsIngressOfferedLoPrioOctets [Sap AGBase Stats Ingress Offered Lo Prio Octets] (aluSapAGBaseStatsIngressOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets offered, as determined by the SAP Aggregation Group's ingress QoS policy.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGBaseStatsIngressOfferedLoPrioPackets [Sap AGBase Stats Ingress Offered Lo Prio Packets] (aluSapAGBaseStatsIngressOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets offered, as determined by the SAP Aggregation Group's ingress QoS policy.
sapAGBaseStatsIngressOfferedUncoloredOctets [Sap AGBase Stats Ingress Offered Uncolored Octets] (aluSapAGBaseStatsIngressOfferedUncoloredOctets)	java. math. BigInteger	The number of uncolored octets offered, as determined by the SAP ingress QoS policy.
sapAGBaseStatsIngressOfferedUncoloredPackets [Sap AGBase Stats Ingress Offered Uncolored Packets] (aluSapAGBaseStatsIngressOfferedUncoloredPackets)	java. math. BigInteger	The number of uncolored packets offered, as determined by the SAP ingress QoS policy.
sapAGBaseStatsLastClearedTime [Sap AGBase Stats Last Cleared Time] (aluSapAGBaseStatsLastClearedTime)	long	The value of aluSapAGBaseStatsLastClearedTime indicates the sysUpTime when the counters in this table were last cleared.
sapAGBaseStatsUnknownVpiVciCellsDropped [Sap AGBase Stats Unknown Vpi Vci Cells Dropped] (aluSapAGBaseStatsUnknownVpiVciCellsDropped)	java. math. BigInteger	The number of cells received with vpi/vci that is not defined under vcid-translation. The cells with unknown vpi/vci are dropped.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapAGEgrQosQStats</p> <p>MIB entry name: aluSapAGEgrQosQStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP Aggregation Group's QoS queue.</p> <p>Table description (for aluSapAGEgrQosQStatsTable): A table that contains egress QoS queue SAP Aggregation Group statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: apipe.SapAggregationGroup</p>		
sapAGEgrQosCustId [Sap AGEgr Qos Cust Id] (aluSapAGEgrQosCustId)	long	The Customer ID for the associated service.
sapAGEgrQosQStatsDroppedInProfOctets [Sap AGEgr Qos QStats Dropped In Prof Octets] (aluSapAGEgrQosQStatsDropped-InProfOctets)	java.math.BigInteger	The number of in-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGEgrQosQStatsDroppedInProfPackets [Sap AGEgr Qos QStats Dropped In Prof Packets] (aluSapAGEgrQosQStatsDropped-InProfPackets)	java.math.BigInteger	The number of in-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGEgrQosQStatsDroppedOutProfOctets [Sap AGEgr Qos QStats Dropped Out Prof Octets] (aluSapAGEgrQosQStatsDropped-OutProfOctets)	java.math.BigInteger	The number of out-of-profile octets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGEgrQosQStatsDroppedOut- ProfPackets [Sap AGEgr Qos QStats Dropped Out Prof Packets] (aluSapAGEgrQosQStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of in-profile packets discarded due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGEgrQosQStatsForwardedIn- ProfOctets [Sap AGEgr Qos QStats Forwarded In Prof Octets] (aluSapAGEgrQosQStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded.
sapAGEgrQosQStatsForwardedIn- ProfPackets [Sap AGEgr Qos QStats Forwarded In Prof Packets] (aluSapAGEgrQosQStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.
sapAGEgrQosQStatsForwarded- OutProfOctets [Sap AGEgr Qos QStats Forwarded Out Prof Octets] (aluSapAGEgrQosQStatsForward- edOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate below CIR) forwarded.
sapAGEgrQosQStatsForwarded- OutProfPackets [Sap AGEgr Qos QStats Forwarded Out Prof Packets] (aluSapAGEgrQosQStatsForward- edOutProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGEgrQosQueueId [Sap AGEgr Qos Queue Id] (aluSapAGEgrQosQueueId)	long	The index of the egress QoS queue of this SAP Aggregation Group.
<p>SapAGIngQosQStats MIB entry name: aluSapAGIngQosQStatsEntry Entry description: Ingress statistics about a specific SAP Aggregation Group?s QoS queue. Table description (for aluSapAGIngQosQStatsTable): A table that contains ingress QoS queue SAP Aggregation Group statistics. Supports realtime plotting Supports scheduled collection Monitored class: apipe.SapAggregationGroup</p>		
sapAGIngQosCustId [Sap AGIng Qos Cust Id] (aluSapAGIngQosCustId)	long	The Customer ID for the associated service.
sapAGIngQosQStatsDroppedHiPrioOctets [Sap AGIng Qos QStats Dropped Hi Prio Octets] (aluSapAGIngQosQStatsDroppe- dHiPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGIngQosQStatsDroppedHiPrioPackets [Sap AGIng Qos QStats Dropped Hi Prio Packets] (aluSapAGIngQosQStatsDroppe- dHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGIngQosQStatsDroppedLoPrioOctets [Sap AGIng Qos QStats Dropped Lo Prio Octets] (aluSapAGIngQosQStatsDropped- LoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGIngQosQStatsDroppedLoPrioPackets [Sap AGIng Qos QStats Dropped Lo Prio Packets] (aluSapAGIngQosQStatsDropped- LoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP Aggregation Group ingress QoS policy, dropped due to: MBS exceeded, buffer pool limit exceeded, etc.
sapAGIngQosQStatsForwardedIn- ProfOctets [Sap AGIng Qos QStats Forwarded In Prof Octets] (aluSapAGIngQosQStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded.
sapAGIngQosQStatsForwardedIn- ProfPackets [Sap AGIng Qos QStats Forwarded In Prof Packets] (aluSapAGIngQosQStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded.
sapAGIngQosQStatsForwarded- OutProfOctets [Sap AGIng Qos QStats Forwarded Out Prof Octets] (aluSapAGIngQosQStatsForward- edOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded.
sapAGIngQosQStatsForwarded- OutProfPackets [Sap AGIng Qos QStats Forwarded Out Prof Packets] (aluSapAGIngQosQStatsForward- edOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGIngQosQStatsOfferedHiPrioOctets [Sap AGIng Qos QStats Offered Hi Prio Octets] (aluSapAGIngQosQStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsOfferedHiPrioPackets [Sap AGIng Qos QStats Offered Hi Prio Packets] (aluSapAGIngQosQStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsOfferedLoPrioOctets [Sap AGIng Qos QStats Offered Lo Prio Octets] (aluSapAGIngQosQStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsOfferedLoPrioPackets [Sap AGIng Qos QStats Offered Lo Prio Packets] (aluSapAGIngQosQStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, offered as determined by the SAP Aggregation Group ingress QoS policy.
sapAGIngQosQStatsUncoloredOctetsOffered [Sap AGIng Qos QStats Uncolored Octets Offered] (aluSapAGIngQosQStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress.

Table 355 apipe statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapAGIngQosQStatsUncolored- PacketsOffered [Sap AGIng Qos QStats Uncolored Packets Offered] (aluSapAGIngQosQStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The number of uncolored packets offered to the ingress.
sapAGIngQosQueueId [Sap AGIng Qos Queue Id] (aluSapAGIngQosQueueId)	long	The index of the ingress QoS queue of this SAP Aggregation Group.

Table 356 aps statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ApsChannelStats MIB entry name: apsChanStatusEntry Entry description: A conceptual row in the apsChanStatusTable. Table description (for apsChanStatusTable): This table contains status information for all SONET LTE interfaces that are included in APS groups. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsChannel</p>		
discontinuityTime [Discontinuity Time] (apsChanStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this channel's counters suffered a discontinuity. The relevant counters are the specific instances associated with this channel of any Counter32 object contained in apsChanStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.
lastSwitchover [Last Switchover] (apsChanStatusLastSwitchover)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the value of sysUpTime when this channel last completed a switch to the protection line. If this channel has never switched to the protection line, the value 0 will be returned. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the value of sysUpTime the last time that a working channel was switched back to the working line from this protection line. If no working channel has ever switched back to the working line from this protection line, the value 0 will be returned.

Table 356 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalDegrades [Signal Degrades] (apsChanStatusSignalDegrades)	long	A count of Signal Degrade conditions. This condition occurs when the line Bit Error Rate exceeds the currently configured value of the relevant instance of apsConfigSdBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
signalFailures [Signal Failures] (apsChanStatusSignalFailures)	long	A count of Signal Failure conditions that have been detected on the incoming signal. This condition occurs when a loss of signal, loss of frame, AIS-L or a Line bit error rate exceeding the currently configured value of the relevant instance of apsConfigSfBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
switchoverSeconds [Switchover Seconds] (apsChanStatusSwitchoverSeconds)	long	The cumulative Protection Switching Duration (PSD) time in seconds. For a working channel, this is the cumulative number of seconds that service was carried on the protection line. For the protection line, this is the cumulative number of seconds that the protection line has been used to carry any working channel traffic. This information is only valid if revertive switching is enabled. The value 0 will be returned otherwise. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime. For example, if the value of an instance of apsChanStatusSwitchoverSeconds changes from a non-zero value to zero due to revertive switching being disabled, it is expected that the corresponding value of apsChanStatusDiscontinuityTime will be updated to reflect the time of the configuration change.

Table 356 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
switchovers [Switchovers] (apsChanStatusSwitchovers)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the number of times this channel has switched to the protection line. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the number of times that any working channel has been switched back to the working line from this protection line. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
<p>ApsGroupStats MIB entry name: apsStatusEntry Entry description: A conceptual row in the apsStatusTable. Table description (for apsStatusTable): This table provides status information about APS groups that have been configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsGroup</p>		
channelMismatches [Channel Mismatches] (apsStatusChannelMismatches)	long	A count of Channel Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
discontinuityTime [Discontinuity Time] (apsStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this APS group's counters suffered a discontinuity. The relevant counters are the specific instances associated with this APS group of any Counter32 object contained in apsStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.

Table 356 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fEPLFs [fEPLFs] (apsStatusfEPLFs)	long	A count of Far-End Protection-Line Failure conditions. This condition is declared based on receiving SF on the protection line in the K1 byte. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
modeMismatches [Mode Mismatches] (apsStatusModeMismatches)	long	A count of Mode Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
pSBFs [PSBFs] (apsStatusPSBFs)	long	A count of Protection Switch Byte Failure conditions. This condition occurs when either an inconsistent APS byte or an invalid code is detected. An inconsistent APS byte occurs when no three consecutive K1 bytes of the last 12 successive frames are identical, starting with the last frame containing a previously consistent byte. An invalid code occurs when the incoming K1 byte contains an unused code or a code irrelevant for the specific switching operation (e.g., Reverse Request while no switching request is outstanding) in three consecutive frames. An invalid code also occurs when the incoming K1 byte contains an invalid channel number in three consecutive frames. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.

Table 357 atm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmOamVplStatistics</p> <p>MIB entry name: tAtmOamVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVplStatisticsTable): The tAtmOamVplStatisticsTable is used to gather oam statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		
tAtmOamVplStatsAISCellsRxd [TAtm Oam Vpl Stats AISCells Rxd] (tAtmOamVplStatsAISCellsRxd)	long	The value of tAtmOamVplStatsAISCellsRxd indicates the number of AIS cells received on this VPL for both end to end and segment.
tAtmOamVplStatsAISCellsTxd [TAtm Oam Vpl Stats AISCells Txd] (tAtmOamVplStatsAISCellsTxd)	long	The value of tAtmOamVplStatsAISCellsTxd indicates the number of AIS cells transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsCrc10Errors [TAtm Oam Vpl Stats Crc 10 Errors] (tAtmOamVplStatsCrc10Errors)	long	The value of tAtmOamVplStatsCrc10Errors indicates the number of OAM cells discarded on this VPL with CRC 10 errors.
tAtmOamVplStatsLoopbackCellsRxd [TAtm Oam Vpl Stats Loopback Cells Rxd] (tAtmOamVplStatsLoopbackCellsRxd)	long	The value of tAtmOamVplStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VPL for both end to end and segment.
tAtmOamVplStatsLoopbackCellsTxd [TAtm Oam Vpl Stats Loopback Cells Txd] (tAtmOamVplStatsLoopbackCellsTxd)	long	The value of tAtmOamVplStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsOtherCellsRxd [TAtm Oam Vpl Stats Other Cells Rxd] (tAtmOamVplStatsOtherCellsRxd)	long	This value of tAtmOamVplStatsOtherCellsRxd indicates the number of OAM cells that are received on this VPL but not identified.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmOamVplStatsRDICellsRxd [TAtm Oam Vpl Stats RDICells Rxd] (tAtmOamVplStatsRDICellsRxd)	long	The value of tAtmOamVplStatsRDICellsRxd indicates the number of RDI cells received on this VPL for both end to end and segment.
tAtmOamVplStatsRDICellsTxd [TAtm Oam Vpl Stats RDICells Txd] (tAtmOamVplStatsRDICellsTxd)	long	The value of tAtmOamVplStatsRDICellsTxd indicates the number of RDI cells transmitted on this VPL for both end to end and segment.
<p>AtmVplStatistics MIB entry name: tAtmVplStatisticsEntry Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB. Table description (for tAtmVplStatisticsTable): The tAtmVplStatisticsTable is used to gather cell-level statistics on a particular VPL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.VPConnection</p>		
tAtmVplStatsDrpCellsRxd [TAtm Vpl Stats Drp Cells Rxd] (tAtmVplStatsDrpCellsRxd)	long	The value of tAtmVplStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsRxd [TAtm Vpl Stats Drp Clp 0 Cells Rxd] (tAtmVplStatsDrpClp0CellsRxd)	long	The value of tAtmVplStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsTxd [TAtm Vpl Stats Drp Clp 0 Cells Txd] (tAtmVplStatsDrpClp0CellsTxd)	long	The value of tAtmVplStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VPL. This includes both discards due to buffer management and policer.
tAtmVplStatsTagCells [TAtm Vpl Stats Tag Cells] (tAtmVplStatsTagCells)	long	The value of tAtmVplStatsTagCells indicates the number of tagged CLP=0 cells of the VPL. The egress may or may not discard these cells.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVplStatsTotalBytesRxd [TAtm Vpl Stats Total Bytes Rxd] (tAtmVplStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesRxd indicates the number of bytes received by this VPL. This is the number of tAtmVplStatsTotalCellsRxd multiplied by 53.
tAtmVplStatsTotalBytesTxd [TAtm Vpl Stats Total Bytes Txd] (tAtmVplStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesTxd indicates the number of bytes transmitted by this VPL. This is the number of tAtmVplStatsTotalCellsTxd multiplied by 53.
tAtmVplStatsTotalCellsRxd [TAtm Vpl Stats Total Cells Rxd] (tAtmVplStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsRxd indicates the number of valid ATM cells received by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalCellsTxd [TAtm Vpl Stats Total Cells Txd] (tAtmVplStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsRxd [TAtm Vpl Stats Total Clp 0 Cells Rxd] (tAtmVplStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsTxd [TAtm Vpl Stats Total Clp 0 Cells Txd] (tAtmVplStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tAtmIntfStatsEntry</p> <p>Entry description: An entry in the tAtmIntfStatsEntry containing statistics information applicable to an ATM interface.</p> <p>Table description (for tAtmIntfStatsTable): The tAtmIntfStatsTable contains ATM interface stats at the ATM Layer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmInterfaceStatsTotalBytesRxd [TAtm Interface Stats Total Bytes Rxd] (tAtmIntfStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesRxd indicates the number of bytes received on this interface. This is the number of tAtmIntfStatsTotalCellsRxd multiplied by 53.
tAtmInterfaceStatsTotalBytesTxd [TAtm Interface Stats Total Bytes Txd] (tAtmIntfStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesTxd indicates the number of bytes transmitted on this interface. This is the number of tAtmIntfStatsTotalCellsTxd multiplied by 53.
tAtmInterfaceStatsTotalCellsRxd [TAtm Interface Stats Total Cells Rxd] (tAtmIntfStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsRxd indicates the number of valid ATM cells received by the ATM interface including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmInterfaceStatsTotalCellsTxd [TAtm Interface Stats Total Cells Txd] (tAtmIntfStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the ATM interface including both CLP=0 and CLP=1 cells.
tAtmInterfaceStatsTotalUnknownCellsDropped [TAtm Interface Stats Total Unknown Cells Dropped] (tAtmIntfStatsTotalUnknCellsDrp)	long	The value of tAtmIntfStatsTotalUnknCellsDrp indicates the number of cells dropped due to an unknown VPI/VCI.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionAal5PerformanceStats</p> <p>MIB entry name: aal5VccEntry</p> <p>Entry description: This list contains the AAL5 VCC performance parameters and is indexed by ifIndex values of AAL5 interfaces and the associated VPI/VCI values.</p> <p>Table description (for aal5VccTable): This table contains AAL5 VCC performance parameters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
aal5CrcErrors [Aal5 Crc Errors] (aal5VccCrcErrors)	long	The number of AAL5 CPCS PDUs received with CRC-32 errors on this AAL5 VCC at the interface associated with an AAL5 entity.
aal5OverSizedSDUs [Aal5 Over Sized SDUs] (aal5VccOverSizedSDUs)	long	The number of AAL5 CPCS PDUs discarded on this AAL5 VCC at the interface associated with an AAL5 entity because the AAL5 SDUs were too large.
aal5SarTimeOuts [Aal5 Sar Time Outs] (aal5VccSarTimeOuts)	long	The number of partially re-assembled AAL5 CPCS PDUs which were discarded on this AAL5 VCC at the interface associated with an AAL5 entity because they were not fully re-assembled within the required time period. If the re-assembly timer is not supported, then this object contains a zero value.
<p>PvcConnectionAal5Stats</p> <p>MIB entry name: tAal5VccStatisticsEntry</p> <p>Entry description: An entry in the tAal5VccStatisticsTable containing statistics information applicable to a particular AAL5 VCC entry in the AToM MIB.</p> <p>Table description (for tAal5VccStatisticsTable): tAal5VccStatisticsTable is used to gather AAL5-level statistics on a particular AAL5 VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aal5DroppedPacketsRxd [Aal5 Dropped Packets Rxd] (tAal5VccStatsDrpPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsRxd indicates the number of dropped AAL-5 SDUs that have been received on the AAL-5 VCC.
aal5DroppedPacketsTxd [Aal5 Dropped Packets Txd] (tAal5VccStatsDrpPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsTxd indicates the number of dropped AAL-5 SDUs that would have been transmitted on the AAL-5 VCC.
aal5PacketsRxd [Aal5 Packets Rxd] (tAal5VccStatsPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsRxd indicates the number of valid AAL-5 SDUs and AAL-5 SDUs with CRC-32 errors received by the AAL-5 VCC.
aal5PacketsTxd [Aal5 Packets Txd] (tAal5VccStatsPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsTxd indicates the number of AAL-5 SDUs transmitted by the AAL-5 VCC.
PvcConnectionOamStats MIB entry name: tAtmOamVclStatisticsEntry Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmOamVclStatisticsTable): The tAtmOamVclStatisticsTable is used to gather oam statistics on a particular VCL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection		
oamAISCellsRxd [Oam AISCells Rxd] (tAtmOamVclStatsAISCellsRxd)	long	The value of tAtmOamVclStatsAISCellsRxd indicates the number of AIS cells received on this VC for both end to end and segment.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oamAISCellsTxd [Oam AISCells Txd] (tAtmOamVclStatsAISCellsTxd)	long	The value of tAtmOamVclStatsAISCellsTxd indicates the number of AIS cells transmitted on this VC for both end to end and segment.
oamCrc10Errors [Oam Crc 10 Errors] (tAtmOamVclStatsCrc10Err)	long	The value of tAtmOamVclStatsCrc10Err indicates the number of oam cells discarded with CRC 10 Errors.
oamLoopbackCellsRxd [Oam Loopback Cells Rxd] (tAtmOamVclStatsLoopbackCellsRxd)	long	The value of tAtmOamVclStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VC for both end to end and segment.
oamLoopbackCellsTxd [Oam Loopback Cells Txd] (tAtmOamVclStatsLoopbackCellsTxd)	long	The value of tAtmOamVclStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VC for both end to end and segment.
oamOtherCellsRxd [Oam Other Cells Rxd] (tAtmOamVclStatsOtherCellsRxd)	long	This value of tAtmOamVclStatsOtherCellsRxd indicates the number of oam cells that are received but not identified.
oamRDICellsRxd [Oam RDICells Rxd] (tAtmOamVclStatsRDICellsRxd)	long	The value of tAtmOamVclStatsRDICellsRxd indicates the number of RDI cells received on this VC for both end to end and segment.
oamRDICellsTxd [Oam RDICells Txd] (tAtmOamVclStatsRDICellsTxd)	long	The value of tAtmOamVclStatsRDICellsTxd indicates the number of RDI cells transmitted on this VC for both end to end and segment.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionStats</p> <p>MIB entry name: tAtmVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmVclStatisticsTable): The tAtmVclStatisticsTable is used to gather cell-level statistics on a particular VCL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
totalBytesRxd [Total Bytes Rxd] (tAtmVclStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesRxd indicates the number of bytes received by this Vcl. This is the number of tAtmVclStatsTotalCellsRxd multiplied by 53.
totalBytesTxd [Total Bytes Txd] (tAtmVclStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesTxd indicates the number of bytes transmitted by this Vcl. This is the number of tAtmVclStatsTotalCellsTxd multiplied by 53.
totalPacketsRxd [Total Packets Rxd] (tAtmVclStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsRxd indicates the number of valid ATM cells received by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
totalPacketsTxd [Total Packets Txd] (tAtmVclStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 357 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TCStats</p> <p>MIB entry name: atmInterfaceTCEntry</p> <p>Entry description: This list contains TC Sublayer parameters and state variables at the ATM interface and is indexed by the ifIndex value of the ATM interface.</p> <p>Table description (for atmInterfaceTCTable): This table contains ATM interface TC Sublayer parameters and state variables, one entry per ATM interface port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
ocdEvents [Ocd Events] (atmInterfaceOCDEvents)	long	The number of times the Out of Cell Delineation (OCD) events occur. If seven consecutive ATM cells have Header Error Control (HEC) violations, an OCD event occurs. A high number of OCD events may indicate a problem with the TC Sublayer.
<p>TCSubLayerStats</p> <p>MIB entry name: tAtmTCSublayerEntry</p> <p>Entry description: An entry in the tAtmTCSublayerEntry containing additional management information about the Transmission Coverage Sublayer.</p> <p>Table description (for tAtmTCSublayerTable): The tAtmTCSublayerTable contains the Transmission Convergence Sublayer data.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
hecErrors [Hec Errors] (tAtmTCSublayerHecErrors)	long	The value of tAtmTCSublayerHecErrors indicates the number of cells with uncorrectable HEC Errors on this interface.
hecErrorsFixed [Hec Errors Fixed] (tAtmTCSublayerHecErrorsFixed)	long	The value of tAtmTCSublayerHecErrorsFixed indicates the number of cells with correctable HEC Errors on this interface.

Table 358 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 358 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.

Table 358 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
mvpnActivePrefixes [Mvpn Active Prefixes] (tBgpPeerNgOperMvpnV4ActivePfxs)	long	The value of tBgpPeerNgOperMvpnV4ActivePfxs indicates the number of active MVPN IPv4 prefixes from this peer.

Table 358 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mvpnPrefixesSuppressedByDamping [Mvpn Prefixes Suppressed By Damping] (tBgpPeerNgOperMvpnV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMvpnV4SuppPfxDamp indicates the number of MVPN IPv4 prefixes from this peer, which have been suppressed by damping.
mvpnReceivedPrefixes [Mvpn Received Prefixes] (tBgpPeerNgOperMvpnV4RecvPfxs)	long	The value of tBgpPeerNgOperMvpnV4RecvPfxs indicates the number of MVPN IPv4 prefixes received from this peer.
mvpnSentPrefixes [Mvpn Sent Prefixes] (tBgpPeerNgOperMvpnV4SentPfxs)	long	The value of tBgpPeerNgOperMvpnV4SentPfxs indicates the number of MVPN IPv4 prefixes transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.

Table 358 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.

Table 358 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 359 bundle statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BundleStats</p> <p>MIB entry name: tmnxBundleEntry</p> <p>Entry description: Each row entry represents a multilink bundle on a MDA. Entries can be created and deleted via SNMP SET operations using the tmnxBundleRowStatus object. The tmnxBundleBundleID will contain the bundle number encoded in it. The bundle number is unique for a MDA. For each tmnxBundleEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for tmnxBundleTable): The tmnxBundleTable has an entry for a bundle created on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.Interface</p>		
inputDiscards [Input Discards] (tmnxBundleInputDiscards)	long	tmnxBundleInputDiscards indicates the number of LCP packets that were discarded. This object is only supported for a tmnxBundleType value of mlppp.
upTime [Up Time] (tmnxBundleUpTime)	long	tmnxBundleUpTime indicates the time since the bundle is operationally 'inService'.
<p>MultiClassMlpppStats</p> <p>MIB entry name: tmnxMcMlpppStatsEntry</p> <p>Entry description: Defines an entry in tmnxMcMlpppStatsTable. Entries are created and deleted by the system depending on the number of classes being used by a given MLPPP bundle.</p> <p>Table description (for tmnxMcMlpppStatsTable): Defines the Nokia SROS series Multiclass MLPPP statistics table for providing the capability of retrieving the traffic statistics for the physical queues being used for a class of a multiclass MLPPP bundle to forward the traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.MultiClassMlpppSpecifics</p>		

Table 359 bundle statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcMlpppStatsEgressErrPkt [Mc Mlppp Stats Egress Err Pkt] (tmnxMcMlpppStatsEgressErrPkt)	long	The value of tmnxMcMlpppStatsEgressErrPkt indicates the total number of packets discarded due to segmentation errors on the bundle for the given class on egress.
mcMlpppStatsEgressOct [Mc Mlppp Stats Egress Oct] (tmnxMcMlpppStatsEgressOct)	long	The value of tmnxMcMlpppStatsEgressOct indicates the total number of octets in all packets received on the bundle for the given class on egress before segmentation.
mcMlpppStatsEgressPkt [Mc Mlppp Stats Egress Pkt] (tmnxMcMlpppStatsEgressPkt)	long	The value of tmnxMcMlpppStatsEgressPkt indicates the total number of packets forwarded on the bundle for the given class on egress towards the line.
mcMlpppStatsIngressErrPkt [Mc Mlppp Stats Ingress Err Pkt] (tmnxMcMlpppStatsIngressErrPkt)	long	The value of tmnxMcMlpppStatsIngressErrPkt indicates the total number of packets discarded due to reassembly errors on the bundle for the given class on ingress.
mcMlpppStatsIngressOct [Mc Mlppp Stats Ingress Oct] (tmnxMcMlpppStatsIngressOct)	long	The value of tmnxMcMlpppStatsIngressOct indicates the total number of octets in all packets received on the bundle for the given class on ingress before reassembly.
mcMlpppStatsIngressPkt [Mc Mlppp Stats Ingress Pkt] (tmnxMcMlpppStatsIngressPkt)	long	The value of tmnxMcMlpppStatsIngressPkt indicates the total number of packets forwarded on the bundle for the given class on ingress towards higher layer protocols.

Table 360 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcp6ServerPoolStats</p> <p>MIB entry name: tmnxDhcpsPoolStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPoolStats6Table represents additional columns of operational data for a pool that belongs to the specified DHCPv6 server instance. The value of these columns is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.</p> <p>Table description (for tmnxDhcpsPoolStats6Table): The tmnxDhcpsPoolStats6Table has an entry for each pool that belongs to the specified DHCPv6 server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Address6Pool</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpsPoolStats6Advertise)	long	The value of tmnxDhcpsPoolStats6Advertise indicates the number of local leases in this pool that are in state 'advertised'.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpsPoolStats6HasExt)	boolean	The value of tmnxDhcpsPoolStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.
freeBlocks [Free Blocks] (tmnxDhcpsPoolStats6FreeBlk)	java.math.BigInteger	The value of tmnxDhcpsPoolStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpsPoolStats6AdvertP)	long	The value of tmnxDhcpsPoolStats6AdvertP indicates the highest value of tmnxDhcpsPoolStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPctP)	int	The value of tmnxDhcpsPoolStats6UsedPctP indicates the highest value of tmnxDhcpsPoolStats6UsedPct since the last reset of the extended statistics.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValRemoteAdvertisedLeases [Highest Val Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertP)	long	The value of tmnxDhcpsPoolStats6FoAdvertP indicates the highest value of tmnxDhcpsPoolStats6FoAdvertise since the last reset of the extended statistics.
highestValRemotePctBlocksInUse [Highest Val Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPctP)	int	The value of tmnxDhcpsPoolStats6FoUsedPctP indicates the highest value of tmnxDhcpsPoolStats6FoUsedPct since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpsPoolStats6FoStableP)	long	The value of tmnxDhcpsPoolStats6FoStableP indicates the highest value of tmnxDhcpsPoolStats6FoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpsPoolStats6StableP)	long	The value of tmnxDhcpsPoolStats6StableP indicates the highest value of tmnxDhcpsPoolStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpsPoolStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FreeBlk since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpsPoolStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6UsedBlk since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePctP)	int	The value of tmnxDhcpsPoolStats6FreePctP indicates the lowest value of tmnxDhcpsPoolStats6FreePct since the last reset of the extended statistics.
lowestValRemoteFreeBlocks [Lowest Val Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoFreeBlk since the last reset of the extended statistics.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemotePctBlocksUnused [Lowest Val Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePctP)	int	The value of tmnxDhcpsPoolStats6FoFreePctP indicates the lowest value of tmnxDhcpsPoolStats6FoFreePct since the last reset of the extended statistics.
lowestValRemoteUnusedBlocks [Lowest Val Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoUsedBlk since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPct)	int	The value of tmnxDhcpsPoolStats6UsedPct indicates the percentage of /64 blocks currently in use.
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePct)	int	The value of tmnxDhcpsPoolStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpsPoolStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6ProvBlk indicates the number of provisioned /64 blocks.
remoteAdvertisedLeases [Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertise)	long	The value of tmnxDhcpsPoolStats6FoAdvertise indicates the number of remote leases in this pool that are in state 'advertised'.
remoteFreeBlocks [Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlk indicates the remote number of provisioned but unused /64 blocks.
remotePctBlocksInUse [Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPct)	int	The value of tmnxDhcpsPoolStats6FoUsedPct indicates the percentage of remote /64 blocks currently in use.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remotePctBlocksUnused [Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePct)	int	The value of tmnxDhcpsPoolStats6FoFreePct indicates the percentage of remote /64 blocks currently unused.
remoteProvisionedBlocks [Remote Provisioned Blocks] (tmnxDhcpsPoolStats6FoProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoProvBlk indicates the remote number of provisioned /64 blocks.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpsPoolStats6FoStable)	long	The value of tmnxDhcpsPoolStats6FoStable indicates the number of remote leases in this pool that are in state 'stable'.
remoteUnusedBlocks [Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlk indicates the remote number of provisioned but unused /64 blocks.
slaacPrefixInternalRequests [Slaac Prefix Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxSlaa)	long	The value of tmnxDhcpsPoolStats6IntNoPfxSlaa indicates the number of times the following event occurred: an internal request for a SLAAC prefix (IA_PD (Identity Association for Prefix Delegation)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
stableLeases [Stable Leases] (tmnxDhcpsPoolStats6Stable)	long	The value of tmnxDhcpsPoolStats6Stable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpsPoolStats6ExtResetT)	long	The value of tmnxDhcpsPoolStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpsPoolStats6AdvertPT)	long	The value of tmnxDhcpsPoolStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6AdvertPT.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpsPoolStats6FreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FreeBlkP.
timeSinceLastRemoteAdvertisedLeases [Time Since Last Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertPT)	long	The value of tmnxDhcpsPoolStats6FoAdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoAdvertP.
timeSinceLastRemoteFreeBlocks [Time Since Last Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FoFreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoFreeBlkP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpsPoolStats6FoStablePT)	long	The value of tmnxDhcpsPoolStats6FoStablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoStableP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpsPoolStats6StablePT)	long	The value of tmnxDhcpsPoolStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6StableP.
unusedBlocks [Unused Blocks] (tmnxDhcpsPoolStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlk indicates the number of provisioned but unused /64 blocks.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wanAddressInternalRequests [Wan Address Internal Requests] (tmnxDhcpSvrSubnetStats6IntNoPfxWan)	long	The value of tmnxDhcpSvrSubnetStats6IntNoPfxWan indicates the number of times the following event occurred: an internal request for a WAN address (IA_NA (Identity association for non-temporary addresses)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
<p>LocalDhcp6ServerPrefixStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStats6Table represents additional columns of operational data for a subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStats6Table): The tmnxDhcpSvrSubnetStats6Table has an entry for each subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Dhcp6AddressPrefix</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpSvrSubnetStats6Advertise)	long	The value of tmnxDhcpSvrSubnetStats6Advertise indicates the number of leases in this subnet that are in state 'advertised'.
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStats6Declined)	long	The value of tmnxDhcpSvrSubnetStats6Declined indicates the number of addresses in this subnet that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrSubnetStats6HasExt)	boolean	The value of tmnxDhcpSvrSubnetStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
freeBlocks [Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertP)	long	The value of tmnxDhcpSvrSubnetStats6AdvertP indicates the highest value of tmnxDhcpSvrSubnetStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctP)	int	The value of tmnxDhcpSvrSubnetStats6UsedPctP indicates the highest value of tmnxDhcpSvrSubnetStats6UsedPct since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStats6StableP)	long	The value of tmnxDhcpSvrSubnetStats6StableP indicates the highest value of tmnxDhcpSvrSubnetStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctP)	int	The value of tmnxDhcpSvrSubnetStats6FreePctP indicates the lowest value of tmnxDhcpSvrSubnetStats6FreePct since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPct)	int	The value of tmnxDhcpSvrSubnetStats6UsedPct indicates the percentage of /64 blocks currently in use.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePct)	int	The value of tmnxDhcpSvrSubnetStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpSvrSubnetStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6ProvBlk indicates the number of provisioned /64 blocks.
reconfigurePendingLeases [Reconfigure Pending Leases] (tmnxDhcpSvrSubnetStats6RCPending)	long	The value of tmnxDhcpSvrSubnetStats6RCPending indicates the number of leases in this subnet that are in state 'reconfigurePending'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStats6RmPending)	long	The value of tmnxDhcpSvrSubnetStats6RmPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStats6Stable)	long	The value of tmnxDhcpSvrSubnetStats6Stable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStats6ExtResetT)	long	The value of tmnxDhcpSvrSubnetStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertPT)	long	The value of tmnxDhcpSvrSubnetStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6AdvertP.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreeBlkP.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctBlocksInUse [Time Since Last Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedPctP.
timeSinceLastPctBlocksUnused [Time Since Last Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctPT)	long	The value of tmnxDhcpSvrSubnetStats6FreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreePctP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStats6StablePT)	long	The value of tmnxDhcpSvrSubnetStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6StableP.
timeSinceLastUnusedBlocks [Time Since Last Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedBlkP.
unusedBlocks [Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlk indicates the number of provisioned but unused /64 blocks.
<p>LocalDhcp6ServerStats MIB entry name: tmnxDhcpServerStats6Entry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStats6Table): The tmnxDhcpServerStats6Table contains basic statistics about the DHCPv6 server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcp6Server</p>		
clientIgnoredOffers [Client Ignored Offers] (tmnxDhcpSvrStats6OffersIgnore)	long	The value of tmnxDhcpSvrStats6OffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedBadPacket [Dropped Bad Packet] (tmnxDhcpSvrStats6DropBadPackets)	long	The value of tmnxDhcpSvrStats6DropBadPackets indicates the number of DHCP packets received which were corrupt.
droppedDestinedToOther [Dropped Destined To Other] (tmnxDhcpSvrStats6DropDestOther)	long	The value of tmnxDhcpSvrStats6DropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
droppedGenericError [Dropped Generic Error] (tmnxDhcpSvrStats6DropGenError)	long	The value of tmnxDhcpSvrStats6DropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
droppedInternalConflicts [Dropped Internal Conflicts] (tmnxDhcpSvrStats6DropIntWConflct)	long	The value of tmnxDhcpSvrStats6DropIntWConflct indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.
droppedInternalFailover [Dropped Internal Failover] (tmnxDhcpSvrStats6DropIntWFo)	long	The value of tmnxDhcpSvrStats6DropIntWFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
droppedInternalIntIdMap [Dropped Internal Int Id Map] (tmnxDhcpSvrStats6DropIntWIfldMap)	long	The value of tmnxDhcpSvrStats6DropIntWFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because interface ID mapping is enabled for the server instance.
droppedInternalUserIdent [Dropped Internal User Ident] (tmnxDhcpSvrStats6DropIntWUserld)	long	The value of tmnxDhcpSvrStats6DropIntWFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because tmnxDhcpServerCfgUserIdent is not set to duid (2) for the server instance.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInvalidType [Dropped Invalid Type] (tmnxDhcpSvrStats6DropInvlIdTypes)	long	The value of tmnxDhcpSvrStats6DropInvlIdTypes indicates the number of DHCP packets received which had an invalid message type.
droppedLeaseNotReady [Dropped Lease Not Ready] (tmnxDhcpSvrStats6DropLseNotReady)	long	The value of tmnxDhcpSvrStats6DropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
droppedMaxLeasesReached [Dropped Max Leases Reached] (tmnxDhcpSvrStats6DropMaxReached)	long	The value of tmnxDhcpSvrStats6DropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
droppedNotServingPool [Dropped Not Serving Pool] (tmnxDhcpSvrStats6DropNoSrvngPool)	long	The value of tmnxDhcpSvrStats6DropNoSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
droppedOverload [Dropped Overload] (tmnxDhcpSvrStats6DropOverload)	long	The value of tmnxDhcpSvrStats6DropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
droppedPersistenceOverload [Dropped Persistence Overload] (tmnxDhcpSvrStats6DropPerOverload)	long	The value of tmnxDhcpSvrStats6DropPerOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
droppedServerShutdown [Dropped Server Shutdown] (tmnxDhcpSvrStats6DropSvrDown)	long	The value of tmnxDhcpSvrStats6DropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicateRequestDropped [Duplicate Request Dropped] (tmnxDhcpSvrStats6DropDuplDiffRly)	long	The value of tmnxDhcpSvrStats6DropDuplDiffRly indicates the number of DHCP requests dropped by the server instance because they were received from a different Relay IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
leasesTimedOut [Leases Timed Out] (tmnxDhcpSvrStats6LeasesExpired)	long	The value of tmnxDhcpSvrStats6LeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
receivedConfirmPackets [Received Confirm Packets] (tmnxDhcpSvrStats6RxConfirms)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxConfirms indicates the number of confirm messages received by the DHCP server instance.
receivedDeclinePackets [Received Decline Packets] (tmnxDhcpSvrStats6RxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxDeclines indicates the number of decline messages received by the DHCP server instance.
receivedInformationRequestPackets [Received Information Request Packets] (tmnxDhcpSvrStats6RxInfRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxInfRequests indicates the number of information-request messages received by the DHCP server instance.
receivedIntIpoeWanRequests [Received Int Ipoe Wan Requests] (tmnxDhcpSvrStats6RxIntReqIpoeWan)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReqIpoeWan indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE.
receivedIntPppSlaacRequests [Received Int Ppp Slaac Requests] (tmnxDhcpSvrStats6RxIntPppSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntPppSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for PPP SLAAC (stateless autoconfiguration).

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedInternalReleases [Received Internal Releases] (tmnxDhcpSvrStats6RxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.
receivedRebindPackets [Received Rebind Packets] (tmnxDhcpSvrStats6RxRebinds)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRebinds indicates the number of rebind messages received by the DHCP server instance.
receivedReleasePackets [Received Release Packets] (tmnxDhcpSvrStats6RxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxReleases indicates the number of release messages received by the DHCP server instance.
receivedRenewPackets [Received Renew Packets] (tmnxDhcpSvrStats6RxRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRenews indicates the number of renew messages received by the DHCP server instance.
receivedRequestPackets [Received Request Packets] (tmnxDhcpSvrStats6RxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of request messages received by the DHCP server instance.
receivedSolicitPackets [Received Solicit Packets] (tmnxDhcpSvrStats6RxSolicits)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxSolicits indicates the number of solicit messages received by the DHCP server instance.
sentAdvertisePackets [Sent Advertise Packets] (tmnxDhcpSvrStats6TxAdvertises)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of advertise messages sent by the DHCP server instance.
sentReconfigurePackets [Sent Reconfigure Packets] (tmnxDhcpSvrStats6TxReconfigures)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReconfigures indicates the number of reconfigure messages sent by the DHCP server instance.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sentReplyPackets [Sent Reply Packets] (tmnxDhcpSvrStats6TxReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReplies indicates the number of reply messages sent by the DHCP server instance.
<p>LocalDhcpServerStats MIB entry name: tmnxDhcpServerStatsEntry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServer</p>		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUseGiAddress was disabled.
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllow)	long	The value of tmnxDhcpSvrStatsDropUserNotAllow indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		

Table 360 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.

Table 361 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessPortControlStats</p> <p>MIB entry name: aluPortCtlStatsEntry</p> <p>Entry description: Defines an entry in aluPortCtlStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortCtlStatsTable): Defines the Nokia SAR series port control statistics table for providing, via SNMP, the capability of retrieving the detailed control packet statistics for ports in access modes. This table is not applicable to ports in network or hybrid mode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
accessCtlEgressDroOcts [Access Ctl Egress Dro Octs] (aluPortAccessCtlEgrDroOcts)	java. math. BigInteger	aluPortAccessCtlEgrDroOcts indicates the number of CTL octets that get dropped on access port egress .
accessCtlEgressDroPkts [Access Ctl Egress Dro Pkts] (aluPortAccessCtlEgrDroPkts)	java. math. BigInteger	aluPortAccessCtlEgrDroPkts indicates the number of CTL packets that get dropped on access port egress .
accessCtlEgressFwdOcts [Access Ctl Egress Fwd Octs] (aluPortAccessCtlEgrFwdOcts)	java. math. BigInteger	aluPortAccessCtlEgrFwdOcts indicates the number of CTL octets that get forwarded on access port egress .
accessCtlIngressDroOcts [Access Ctl Ingress Dro Octs] (aluPortAccessCtlInDroOcts)	java. math. BigInteger	aluPortAccessCtlInDroOcts indicates the number of CTL octets that get dropped on access port ingress .
accessCtlIngressDroPkts [Access Ctl Ingress Dro Pkts] (aluPortAccessCtlInDroPkts)	java. math. BigInteger	aluPortAccessCtlInDroPkts indicates the number of CTL packets that get dropped on access port ingress .

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accessCtlIngressFwdOcts [Access Ctl Ingress Fwd Octs] (aluPortAccessCtlInFwdOcts)	java. math. BigInteger	aluPortAccessCtlInFwdOcts indicates the number of CTL octets that get forwarded on access port ingress .
accessCtlIngressFwdPkts [Access Ctl Ingress Fwd Pkts] (aluPortAccessCtlInFwdPkts)	java. math. BigInteger	aluPortAccessCtlInFwdPkts indicates the number of CTL packets that get forwarded on access port ingress .
accessCtlEgressFwdPkts [Access Ctl Egress Fwd Pkts] (aluPortAccessCtlEgrFwdPkts)	java. math. BigInteger	aluPortAccessCtlEgrFwdPkts indicates the number of CTL packets that get forwarded on access port egress .
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.
<p>CiscoHDLCStats MIB entry name: tmnxCiscoHDLCStatsEntry Entry description: An entry in the tmnxCiscoHDLCStatsTable. Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel </p>		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DetailedPacketDiscardStats</p> <p>MIB entry name: aluPortDiscardsStatsEntry</p> <p>Entry description: Defines an entry in aluPortDiscardStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortDiscardStatsTable): Defines the Nokia SAR series port packet discard statistics table for providing, via SNMP, the capability of retrieving the detailed packet discard statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort • tdmequipment.DS0ChannelGroup 		
inCsmQHiPriDiscards [In Csm QHi Pri Discards] (aluPortInCsmQHiPriDiscards)	java. math. BigInteger	aluPortInCsmQHiPriDiscards indicates the number of packets discarded in the Ingress CSM High Priority Queue.
inCsmQLowPriDiscards [In Csm QLow Pri Discards] (aluPortInCsmQLowPriDiscards)	java. math. BigInteger	aluPortInCsmQLowPriDiscards indicates the number of packets discarded in the Ingress CSM Low Priority Queue.
inCsmQMediumPriDiscards [In Csm QMedium Pri Discards] (aluPortInCsmQMediumPriDiscards)	java. math. BigInteger	aluPortInCsmQMediumPriDiscards indicates the number of packets discarded in the Ingress CSM Medium Priority Queue.
inHdlcCrcDiscards [In Hdlc Crc Discards] (aluPortInHdlcCrcDiscards)	java. math. BigInteger	aluPortInHdlcCrcDiscards indicates the number of packets discarded due to the HDLC frame containing a CRC error. This statistic is only applicable to interfaces that have an encapsulation type of PPP-AUTO.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inIPAddrProtoDiscards [In IPAddr Proto Discards] (aluPortInIPAddrProtoDiscards)	java. math. BigInteger	aluPortInIPAddrProtoDiscards indicates the number of packets discarded that contained an invalid IP address or unsupported IP protocol.
inL2AddrProtoDiscards [In L2 Addr Proto Discards] (aluPortInL2AddrProtoDiscards)	java. math. BigInteger	aluPortInL2AddrProtoDiscards indicates the number of packets discarded that contained an unsupported type/protocol or unknown address at layer 2.
inMPLSLabelDiscards [In MPLSLabel Discards] (aluPortInMPLSLabelDiscards)	java. math. BigInteger	aluPortInMPLSLabelDiscards indicates the number of packets discarded that contained unknown mpls outer tunnels, unknown inner label or more than two unsupported labels.
inOtherDiscards [In Other Discards] (aluPortInOtherDiscards)	java. math. BigInteger	aluPortInOtherDiscards indicates the number of packets discarded at ingress for other reasons during processing.
outCsmQDiscards [Out Csm QDiscards] (aluPortOutCsmQDiscards)	java. math. BigInteger	aluPortOutCsmQDiscards indicates the number of packets discarded in the Egress CSM Queue.
outOtherDiscards [Out Other Discards] (aluPortOutOtherDiscards)	java. math. BigInteger	aluPortOutOtherDiscards indicates the number of packets discarded at egress for other reasons during processing.
outPortMtuDiscards [Out Port Mtu Discards] (aluPortOutPortMtuDiscards)	java. math. BigInteger	aluPortOutPortMtuDiscards indicates the number of packets discarded at egress due to the packet exceeding the configured port mtu.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FabricDeviceStats</p> <p>MIB entry name: aluFabricDeviceStatsEntry</p> <p>Entry description: An entry in the aluFabricDeviceStatsTable contains stats collected from fabric device itself, either traffic to a specific fabric port designated to an MDA, or global total traffic egress from the fabric device. aluFabricDeviceStatsIndex indicates the MDA number for the fabric port stats or 0 for global stats. Fabric Stats are not available on Nokia SAR-M platform, therefore all objects of aluFabricDeviceStatsEntry are set to 0.</p> <p>Table description (for aluFabricDeviceStatsTable): This table contains statistics collected from Fabric Device of the Nokia 7705 system</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.DaughterCardSlot • equipment.SystemStatsHolder 		
fabricDeviceStatsDroOcts [Fabric Device Stats Dro Octs] (aluFabricDeviceStatsDroOcts)	java. math. BigInteger	aluFabricDeviceStatsDroOcts indicates the number of octets from dropped packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsDroOcts indicates the total octets of all dropped packets at the fabric. aluFabricDeviceStatsDroOcts is not available on SAR-8 system, and is set to 0 in these cases.
fabricDeviceStatsDroPkts [Fabric Device Stats Dro Pkts] (aluFabricDeviceStatsDroPkts)	java. math. BigInteger	aluFabricDeviceStatsDroPkts indicates the number of dropped packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsDroPkts indicates the total of all dropped packets at the fabric.
fabricDeviceStatsFwdOcts [Fabric Device Stats Fwd Octs] (aluFabricDeviceStatsFwdOcts)	java. math. BigInteger	aluFabricDeviceStatsFwdOcts indicates the number of forwarded octets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsFwdOcts indicates the total octets forwarded by the fabric. aluFabricDeviceStatsFwdOcts is not available for global counter entry on SAR-8 system, and it is set to 0 in these cases.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fabricDeviceStatsFwdPkts [Fabric Device Stats Fwd Pkts] (aluFabricDeviceStatsFwdPkts)	java. math. BigInteger	aluFabricDeviceStatsFwdPkts indicates the number of forwarded packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsFwdPkts indicates the total of all forwarded packets from the fabric.
fabricDeviceStatsIndex [Fabric Device Stats Index] (aluFabricDeviceStatsIndex)	long	<p>aluFabricDeviceStatsIndex serves as the index that uniquely identify the fabric device counter. R2.x and R3.x of Nokia 7705 support two entries of fabric device counters as followed: 1) Entry with aluFabricDeviceStatsIndex = 0 is a global device counter which counts all egress traffic from the fabric. This is the sum of all fabric port traffic, including ports to all MDAs and ports to any other intalled cards such as inactive CSM. 2) Entry with aluFabricDeviceStatsIndex = 1 is a fabric port counter which counts all egress traffic toward the MDA that has aluExtTmnxMDAFabricStatsEnabled being TRUE in AluExtTmnxMDAEntry. Starting with R4.0, Nokia 7705 system supports multiple fabric port counters. One entry for each MDA, plus one entry for the global counters.</p> <p>aluFabricDeviceStatsIndex is numbered as followed: - Entry with aluFabricDeviceStatsIndex = 0 is a global device counter which counts all egress traffic from the fabric. This is the sum of all fabric port traffic, including ports to all MDAs and ports to any other intalled cards such as inactive CSM. - Otherwise aluFabricDeviceStatsIndex > 0 indicates the MDA slot number tmnxMDASlotNum. These entries contain fabric port counters of egress traffic from the fabric device to the MDA with slot number specified by aluFabricDeviceStatsIndex.</p> <p>aluExtTmnxMDAFabricStatsEnabled must be TRUE on the MDA for the stats to be valid. If aluExtTmnxMDAFabricStatsEnabled is FALSE, all stats in the entry are set to 0. Starting with release 7.0 Nokia 7705 uses entry with aluFabricDeviceStatsIndex = 0xff = 255 to contain counts of all firewall security traffic egress from the fabric.</p>

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fabricDeviceStatsMcastFwdPkts [Fabric Device Stats Mcast Fwd Pkts] (aluFabricDeviceStatsMcastFwdPkts)	java. math. BigInteger	aluFabricDeviceStatsMcastFwdPkts indicates the number of forwarded multicast packets (multipoint/broadcast/unknown traffic) from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsMcastFwdPkts indicates the total of all forwarded multicast packets from the fabric to all MDAs.
fabricDeviceStatsUcastFwdPkts [Fabric Device Stats Ucast Fwd Pkts] (aluFabricDeviceStatsUcastFwdPkts)	java. math. BigInteger	aluFabricDeviceStatsUcastFwdPkts indicates the number of forwarded unicast packets from the fabric to the indexed MDA. If the entry is a global counter then aluFabricDeviceStatsUcastFwdPkts indicates the total of all forwarded unicast packets from the fabric.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats MIB entry name: vRtrFibStatEntry Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
<p>GponPortSpecificsStats MIB entry name: aluGponPortCurrentEntry Entry description: Defines an entry in aluGponPortCurrentTable. Entries are created and deleted by the system depending on port configuration. Table description (for aluGponPortCurrentTable): The aluGponPortCurrentTable contains various statistics being collected from the ONT for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
alignmentErr [Alignment Err] (aluGponPortCurrentAEs)	long	A count of frames having Alignment Errors.
badHeaders [Bad Headers] (aluGponPortCurrentBadHeaders)	long	A count of Received GEM Headers that are bad.
carrierSenseErr [Carrier Sense Err] (aluGponPortCurrentCSEs)	long	A count of Carrier Sense Errors.
deferredTx [Deferred Tx] (aluGponPortCurrentDTs)	long	A count of frames delayed due to Deferred Transmission.
dropFramesDn [Drop Frames Dn] (aluGponPortCurrentDropFrsDn)	long	A count of Dropped Frames Downstream.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropFramesUp [Drop Frames Up] (aluGponPortCurrentDropFrsUp)	long	A count of Dropped Frames Upstream.
excessiveCollisions [Excessive Collisions] (aluGponPortCurrentECs)	long	A count of Excessive Collisions.
fcsErrors [Fcs Errors] (aluGponPortCurrentFCSEs)	long	A count of Frame Check Sequence(FCS)Errors.
internalMacRxErr [Internal Mac Rx Err] (aluGponPortCurrentIMREs)	long	A count of unsuccessfully received frames due to Internal MAC Receive Error.
internalMacTxErr [Internal Mac Tx Err] (aluGponPortCurrentIMTEs)	long	A count of unsuccessfully transmitted frames due to Internal MAC Transmit Error.
lateCollisions [Late Collisions] (aluGponPortCurrentLCs)	long	A count of Late Collisions.
lostFrgsDn [Lost Frags Dn] (aluGponPortCurrentLostFrgsDn)	long	A count of Lost GEM Fragments (downstream).
lostFrgsUp [Lost Frags Up] (aluGponPortCurrentLostFrgsUp)	long	A count of Lost GEM Fragments (upstream).
multipleCollisionFrames [Multiple Collision Frames] (aluGponPortCurrentMCFs)	long	A count of successfully transmitted Multiple Collision Frames.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBufferOverflows [Rx Buffer Overflows] (aluGponPortCurrentRBOs)	long	A count of Receive Buffer Overflows.
rxEtherBytes [Rx Ether Bytes] (aluGponPortCurrentRxBytes)	long	A count of Received Ethernet Bytes.
rxEtherFrames [Rx Ether Frames] (aluGponPortCurrentRxFrames)	long	A count of Received Ethernet Frames.
rxFramesMcast [Rx Frames Mcast] (aluGponPortCurrentRxFrmsMcast)	long	A count of Received Multicast Ethernet Frames.
rxGemBlocks [Rx Gem Blocks] (aluGponPortCurrentRxBlocks)	long	A count of Received GEM Blocks.
rxGemFrag [Rx Gem Frags] (aluGponPortCurrentRxFrags)	long	A count of Received GEM Fragments.
singleCollisionFrames [Single Collision Frames] (aluGponPortCurrentSCFs)	long	A count of successfully transmitted Single Collision Frames.
sqeTestErrMsg [Sqe Test Err Msg] (aluGponPortCurrentSQEs)	long	A count of SQE Test Error messages generated.
tooLongFrames [Too Long Frames] (aluGponPortCurrentFTLs)	long	A count of Frames that are Too Long.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBufferOverflows [Tx Buffer Overflows] (aluGponPortCurrentTBOs)	long	A count of Transmit Buffer Overflows.
txEtherBytes [Tx Ether Bytes] (aluGponPortCurrentTxBytes)	long	A count of Transmitted Ethernet Bytes.
txEtherFrames [Tx Ether Frames] (aluGponPortCurrentTxFrames)	long	A count of Transmitted Ethernet Frames.
txFramesMcast [Tx Frames Mcast] (aluGponPortCurrentTxFrsMcast)	long	A count of Transmitted Multicast Ethernet Frames.
txGemBlocks [Tx Gem Blocks] (aluGponPortCurrentTxBlocks)	long	A count of Transmitted GEM Blocks.
txGemFrag [Tx Gem Frags] (aluGponPortCurrentTxFrag)	long	A count of Transmitted GEM Fragments.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPoli- cyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
IpSecQueueCtlStats MIB entry name: aluIPsecCtrlQueueStatsEntry Entry description: Each row entry contains statistics collected from IPsec encryption Control Queue for a specific MDA. Table description (for aluIPsecCtrlQueueStatsTable): This table contains statistics collected from IPsec encryption Control Queues of a specific MDA in the Nokia 7705 system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
encryptionCtrlQueueDroppedBytes [Encryption Ctrl Queue Dropped Bytes] (aluIPsecCtrlQueueDroBytes)	java. math. BigInteger	aluIPsecCtrlQueueDroBytes indicates the number of bytes dropped from this control queue.
encryptionCtrlQueueDroppedPackets [Encryption Ctrl Queue Dropped Packets] (aluIPsecCtrlQueueDroPkts)	java. math. BigInteger	aluIPsecCtrlQueueDroPkts indicates the number of packets dropped from this control queue.
encryptionCtrlQueueFwdBytes [Encryption Ctrl Queue Fwd Bytes] (aluIPsecCtrlQueueFwdBytes)	java. math. BigInteger	aluIPsecCtrlQueueFwdBytes indicates the number of bytes forwarded from this control queue.
encryptionCtrlQueueFwdPackets [Encryption Ctrl Queue Fwd Packets] (aluIPsecCtrlQueueFwdPkts)	java. math. BigInteger	aluIPsecCtrlQueueFwdPkts indicates the number of packets forwarded from this control queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpSecQueueStats MIB entry name: aluSecQueueStatsEntry Entry description: Each row entry contains security statistics for an MDA. Table description (for aluSecQueueStatsTable): This table contains statistics collected from security queues of a specific MDA in the Nokia 7705 system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot</p>		
deryptionHiPriorityDroppedBytes [Decryption Hi Priority Dropped Bytes] (aluSecQueueDroHiPrioBytes)	java. math. BigInteger	aluSecQueueDroLowPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security bytes dropped from this queue.
deryptionHiPriorityDroppedPackets [Decryption Hi Priority Dropped Packets] (aluSecQueueDroHiPrioPkts)	java. math. BigInteger	aluSecQueueDroHiPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security packets dropped from this queue.
deryptionHiPriorityForwardedBytes [Decryption Hi Priority Forwarded Bytes] (aluSecQueueFwdHiPrioBytes)	java. math. BigInteger	aluSecQueueFwdHiPrioBytes is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security bytes forwarded from this queue.
deryptionHiPriorityForwardedPackets [Decryption Hi Priority Forwarded Packets] (aluSecQueueFwdHiPrioPkts)	java. math. BigInteger	aluSecQueueFwdHiPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security packets forwarded from this queue..
deryptionLowPriorityDroppedBytes [Decryption Low Priority Dropped Bytes] (aluSecQueueDroLowPrioBytes)	java. math. BigInteger	aluSecQueueDroLowPrioBytes is only applicable and valid if aluSecQueueMode is priority. It indicates the number of low priority security bytes dropped from this queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
decryptionLowPriorityDroppedPackets [Decryption Low Priority Dropped Packets] (aluSecQueueDroLowPrioPkts)	java. math. BigInteger	aluSecQueueDroLowPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of low priority security packets dropped from this queue.
decryptionLowPriorityForwardedBytes [Decryption Low Priority Forwarded Bytes] (aluSecQueueFwdLowPrioBytes)	java. math. BigInteger	aluSecQueueFwdLowPrioBytes is only applicable and valid if aluSecQueueMode is priority. It indicates the number of high priority security bytes forwarded from this queue.
decryptionLowPriorityForwardedPackets [Decryption Low Priority Forwarded Packets] (aluSecQueueFwdLowPrioPkts)	java. math. BigInteger	aluSecQueueFwdLowPrioPkts is only applicable and valid if aluSecQueueMode is priority. It indicates the number of low priority security packets forwarded from this queue.
encryptionInProfileDroppedBytes [Encryption In Profile Dropped Bytes] (aluSecQueueDroInProfBytes)	java. math. BigInteger	aluSecQueueDroInProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security bytes dropped from this queue.
encryptionInProfileDroppedPackets [Encryption In Profile Dropped Packets] (aluSecQueueDroInProfPkts)	java. math. BigInteger	aluSecQueueDroInProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security packets dropped from this queue.
encryptionInProfileForwardedBytes [Encryption In Profile Forwarded Bytes] (aluSecQueueFwdInProfBytes)	java. math. BigInteger	aluSecQueueFwdInProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security bytes forwarded from this queue.
encryptionInProfileForwardedPackets [Encryption In Profile Forwarded Packets] (aluSecQueueFwdInProfPkts)	java. math. BigInteger	aluSecQueueFwdInProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of in-profile security packets forwarded from this queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptionOutProfileDroppedBytes [Encryption Out Profile Dropped Bytes] (aluSecQueueDroOutProfBytes)	java. math. BigInteger	aluSecQueueDroOutProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security bytes dropped from this queue.
encryptionOutProfileDroppedPackets [Encryption Out Profile Dropped Packets] (aluSecQueueDroOutProfPkts)	java. math. BigInteger	aluSecQueueDroInProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security packets dropped from this queue.
encryptionOutProfileForwardedBytes [Encryption Out Profile Forwarded Bytes] (aluSecQueueFwdOutProfBytes)	java. math. BigInteger	aluSecQueueFwdOutProfBytes is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security bytes forwarded from this queue.
encryptionOutProfileForwardedPackets [Encryption Out Profile Forwarded Packets] (aluSecQueueFwdOutProfPkts)	java. math. BigInteger	aluSecQueueFwdOutProfPkts is only applicable and valid if aluSecQueueMode is profile. It indicates the number of out-profile security packets forwarded from this queue.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHighCapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUCastHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorQueueStats</p> <p>MIB entry name: aluMirrorQueueStatsEntry</p> <p>Entry description: Each row entry contains mirror queue statistics for an MDA.</p> <p>Table description (for aluMirrorQueueStatsTable): This table contains statistics collected from queues for mirror traffic of a specific MDA in the Nokia 7705 system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCardSlot</p>		
inProfileDroppedBytes [In Profile Dropped Bytes] (aluMirrorQueueDroInProfBytes)	java. math. BigInteger	aluMirrorQueueDroInProfBytes indicates the number of in-profile bytes dropped from this queue.
inProfileDroppedPackets [In Profile Dropped Packets] (aluMirrorQueueDroInProfPkts)	java. math. BigInteger	aluMirrorQueueDroInProfPkts indicates the number of in-profile packets dropped from this queue.
inProfileForwardedBytes [In Profile Forwarded Bytes] (aluMirrorQueueFwdInProfBytes)	java. math. BigInteger	aluMirrorQueueFwdInProfBytes indicates the number of in-profile bytes forwarded from this queue.
inProfileForwardedPackets [In Profile Forwarded Packets] (aluMirrorQueueFwdInProfPkts)	java. math. BigInteger	aluMirrorQueueFwdInProfPkts indicates the number of in-profile packets forwarded from this queue.
outProfileDroppedBytes [Out Profile Dropped Bytes] (aluMirrorQueueDroOutProfBytes)	java. math. BigInteger	aluMirrorQueueDroOutProfBytes indicates the number of out-profile bytes dropped from this queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outProfileDroppedPackets [Out Profile Dropped Packets] (aluMirrorQueueDroOutProfPkts)	java. math. BigInteger	aluMirrorQueueDroInProfPkts indicates the number of out-profile packets dropped from this queue.
outProfileForwardedBytes [Out Profile Forwarded Bytes] (aluMirrorQueueFwdOutProfBytes)	java. math. BigInteger	aluMirrorQueueFwdOutProfBytes indicates the number of out-profile bytes forwarded from this queue.
outProfileForwardedPackets [Out Profile Forwarded Packets] (aluMirrorQueueFwdOutProfPkts)	java. math. BigInteger	aluMirrorQueueFwdOutProfPkts indicates the number of out-profile packets forwarded from this queue.
<p>NetworkPortEgressControlStats</p> <p>MIB entry name: aluPortNetEgressControlStatsEntry</p> <p>Entry description: Defines an entry in aluPortNetEgressControlStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortNetEgressControlStatsTable): Defines the Nokia SAR series port egress control statistics table for providing, via SNMP, the capability of retrieving the egress control traffic statistics for ports in network or hybrid modes.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort • tdmequipment.DS0ChannelGroup 		
dropOctets [Drop Octets] (aluPortNetEgressControlDroOcts)	java. math. BigInteger	aluPortNetEgressControlDroOcts indicates the number of egress control octets dropped on this port.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropPackets [Drop Packets] (aluPortNetEgressControlDroPkts)	java. math. BigInteger	aluPortNetEgressControlDroPkts indicates the number of egress control packets dropped on this port.
fwdOctets [Fwd Octets] (aluPortNetEgressControlFwdOcts)	java. math. BigInteger	aluPortNetEgressControlFwdOcts indicates the number of egress control octets forwarded on this port.
fwdPackets [Fwd Packets] (aluPortNetEgressControlFwdPkts)	java. math. BigInteger	aluPortNetEgressControlFwdPkts indicates the number of egress control packets forwarded on this port.
<p>NetworkPortIngressControlStats MIB entry name: aluPortNetIngressControlStatsEntry Entry description: Defines an entry in aluPortNetIngressControlStatsTable. Entries are created and deleted by the system depending port configuration. Table description (for aluPortNetIngressControlStatsTable): Defines the Nokia SAR series port ingress control statistics table for providing, via SNMP, the capability of retrieving the ingress control traffic statistics for ports in network or hybrid modes. This table is not applicable to ports in access mode. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort • tdmequipment.DS0ChannelGroup 		
dropOctets [Drop Octets] (aluPortNetIngressControlDroOcts)	java. math. BigInteger	aluPortNetIngressControlDroOcts indicates the number of ingress control octets dropped on this port.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropPackets [Drop Packets] (aluPortNetIngressControlDroPkts)	java. math. BigInteger	aluPortNetIngressControlDroPkts indicates the number of ingress control packets dropped on this port.
fwdOctets [Fwd Octets] (aluPortNetIngressControlFwdOcts)	java. math. BigInteger	aluPortNetIngressControlFwdOcts indicates the number of ingress control octets forwarded on this port.
fwdPackets [Fwd Packets] (aluPortNetIngressControlFwdPkts)	java. math. BigInteger	aluPortNetIngressControlFwdPkts indicates the number of ingress control packets forwarded on this port.
<p>NgeMdaStats MIB entry name: aluNgeMdaStatsEntry Entry description: Statistics for a single group encryption MDA. Table description (for aluNgeMdaStatsTable): Table to store group encryption MDA level statistics. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot</p>		
ngeMdaDecryptBytes [Nge Mda Decrypt Bytes] (aluNgeMdaDecryptBytes)	java. math. BigInteger	The value of aluNgeMdaDecryptBytes indicates the number of bytes successfully decrypted by the group encryption data path.
ngeMdaDecryptPackets [Nge Mda Decrypt Packets] (aluNgeMdaDecryptPkts)	java. math. BigInteger	The value of aluNgeMdaDecryptPkts indicates the number of packets successfully decrypted by the group encryption data path.
ngeMdaEncryptBytes [Nge Mda Encrypt Bytes] (aluNgeMdaEncryptBytes)	java. math. BigInteger	The value of aluNgeMdaEncryptBytes indicates the number of bytes successfully encrypted by the group encryption data path.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ngeMdaEncryptPackets [Nge Mda Encrypt Packets] (aluNgeMdaEncryptPkts)	java. math. BigInteger	The value of aluNgeMdaEncryptPkts indicates the number of packets successfully encrypted by the group encryption data path.
ngeMdaInDropAuthFailure [Nge Mda In Drop Auth Failure] (aluNgeMdaInDropAuthFailure)	long	The value of aluNgeMdaInDropAuthFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that authentication failed on the received packets.
ngeMdaInDropControlWordMismatch [Nge Mda In Drop Control Word Mismatch] (aluNgeMdaInDropControlWordMismatch)	long	The value of aluNgeMdaInDropControlWordMismatch indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that the decrypted control word does not match the outer control word.
ngeMdaInDropEnqueueError [Nge Mda In Drop Enqueue Error] (aluNgeMdaInDropEnqueueError)	long	The value of aluNgeMdaInDropEnqueueError indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that there are enqueue errors in the encryption engine.
ngeMdaInDropInvalidSpi [Nge Mda In Drop Invalid Spi] (aluNgeMdaInDropInvalidSpi)	long	The value of aluNgeMdaInDropInvalidSpi indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
ngeMdaInDropPackets [Nge Mda In Drop Packets] (aluNgeMdaInDropPkts)	long	The value of aluNgeMdaInDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ngeMdaInDropPaddingFailure [Nge Mda In Drop Padding Failure] (aluNgeMdaInDropPaddingFailure)	long	The value of aluNgeMdaInDropPaddingFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption data path. This implies that there are padding errors detected on the received packets.
ngeMdaOutDropEnqueueError [Nge Mda Out Drop Enqueue Error] (aluNgeMdaOutDropEnqueueError)	long	The value of aluNgeMdaDropOutEnqueueError indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption data path. This implies that there are enqueue errors in the encryption engine.
ngeMdaOutDropPackets [Nge Mda Out Drop Packets] (aluNgeMdaOutDropPkts)	long	The value of aluNgeMdaOutDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption data path.
ngeMdaOutDropUnsupportedUplink [Nge Mda Out Drop Unsupported Uplink] (aluNgeMdaOutDropUnsupportedUplink)	long	The value of aluNgeMdaOutDropUnsupportedUplink indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption data path. This implies that the resolved uplink does not support encryption.
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queuelid [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortNetRingAddDropStats</p> <p>MIB entry name: aluPortNetRingAddDropStatsEntry</p> <p>Entry description: Defines an entry in aluPortNetRingAddDropStatsTable. Entries are created and deleted by the system depending on the add-drop port queue policy being used at the specific port.</p> <p>Table description (for aluPortNetRingAddDropStatsTable): Defines the Nokia 7705 series network add-drop ring port statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the ring add-drop port queues.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inProfileOctetsDropped [In Profile Octets Dropped] (aluPortNetRingAddDropDroInProfOcts)	java. math. BigInteger	aluPortNetRingAddDropDroInProfOcts indicates the number of conforming network add-drop octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (aluPortNetRingAddDropFwdInProfOcts)	java. math. BigInteger	aluPortNetRingAddDropFwdInProfOcts indicates the number of conforming network add-drop octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (aluPortNetRingAddDropDroInProfPkts)	java. math. BigInteger	aluPortNetRingAddDropDroInProfPkts indicates the number of conforming network add-drop packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (aluPortNetRingAddDropFwdInProfPkts)	java. math. BigInteger	aluPortNetRingAddDropFwdInProfPkts indicates the number of conforming network add-drop packets forwarded on this port using this queue.
outProfileOctetsDropped [Out Profile Octets Dropped] (aluPortNetRingAddDropDroOutProfOcts)	java. math. BigInteger	aluPortNetRingAddDropDroOutProfOcts indicates the number of exceeding network add-drop octets dropped on this port using this queue.
outProfileOctetsForwarded [Out Profile Octets Forwarded] (aluPortNetRingAddDropFwdOutProfOcts)	java. math. BigInteger	aluPortNetRingAddDropFwdOutProfOcts indicates the number of exceeding network add-drop octets forwarded on this port using this queue.
outProfilePacketsDropped [Out Profile Packets Dropped] (aluPortNetRingAddDropDroOutProfPkts)	java. math. BigInteger	aluPortNetRingAddDropDroOutProfPkts indicates the number of exceeding network add-drop packets dropped on this port using this queue.
outProfilePacketsForwarded [Out Profile Packets Forwarded] (aluPortNetRingAddDropFwdOutProfPkts)	java. math. BigInteger	aluPortNetRingAddDropFwdOutProfPkts indicates the number of exceeding network add-drop packets forwarded on this port using this queue.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queueId [Queue Id] (aluPortNetRingAddDropQueueIndex)	long	aluPortNetRingAddDropQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network ring add-drop queue for the specified port in the managed system.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.
<p>ShDslLineStats MIB entry name: aluShdslLineStatsEntry Entry description: Defines an entry in aluShdslLineStatsTable. Entries are created and deleted by the system depending on port configuration. Table description (for aluShdslLineStatsTable): The aluShdslLineStatsTable contains the SHDSL Performance statistics being collected from the Socrate-4e for each physical SHDSL line on the 'SHDSL' tmnxPortType port. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
shdslLineStatsCvError [Shdsl Line Stats CvError] (aluShdslLineStatsCvError)	java. math. BigInte- ger	Code Violation Error Counter (Network Side). It is updated every second when the link is active.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
shdslLineStatsES [Shdsl Line Stats ES] (aluShdslLineStatsES)	java. math. BigInteger	Erroneous Seconds Counter (Network Side). It is updated every second when the link is active.
shdslLineStatsInvalidDataFlag [Shdsl Line Stats Invalid Data Flag] (aluShdslLineStatsInvalidDataFlag)	long	It indicates the validity of the PM data. It is set to 0 when the counters are reliable, otherwise it indicates that the far-end counters are not reliable.
shdslLineStatsLOSWS [Shdsl Line Stats LOSWS] (aluShdslLineStatsLOSWS)	java. math. BigInteger	LOSWS Counter (Network Side). It is updated every second when the link is active.
shdslLineStatsLinkLoss [Shdsl Line Stats Link Loss] (aluShdslLineStatsLinkLoss)	java. math. BigInteger	Link Loss Counter (Network Side). This counter is only valid for the local STU-R and is not polled by the STU-C,
shdslLineStatsSES [Shdsl Line Stats SES] (aluShdslLineStatsSES)	java. math. BigInteger	Severely Erroneous Seconds Counter (Network Side). It is updated every second when the link is active.
shdslLineStatsUAS [Shdsl Line Stats UAS] (aluShdslLineStatsUAS)	java. math. BigInteger	Unavailable Seconds Counter (Network Side). It is updated every second when the link is active.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>XDSLLineStats</p> <p>MIB entry name: aluXdslLineStatsEntry</p> <p>Entry description: Defines an entry in aluXdslLineStatsTable. Entries are created and deleted by the system depending on port configuration.</p> <p>Table description (for aluXdslLineStatsTable): The aluXdslLineStatsTable contains various statistics being collected from the BCM6519 for each physical XDSL line on the 'XDSL' tmnxPortType port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
xdslLineStatsFarEndAS [Xdsl Line Stats Far End AS] (aluXdslLineStatsFarEndAS)	java. math. BigInteger	A count of Available Seconds - Far-End: Count of 1 second intervals for which the ADSL line is available.
xdslLineStatsFarEndES [Xdsl Line Stats Far End ES] (aluXdslLineStatsFarEndES)	java. math. BigInteger	A count of Errored Seconds - Far-End: Count of 1-second intervals with one or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsFarEndFECS [Xdsl Line Stats Far End FECS] (aluXdslLineStatsFarEndFECS)	java. math. BigInteger	A count of Forward Error Correction Seconds - Far-End: Count of 1-second intervals with one or more FEC corrections on either one of the active latencies at the far-end.
xdslLineStatsFarEndLEFTRS [Xdsl Line Stats Far End LEFTRS] (aluXdslLineStatsFarEndLEFTRS)	java. math. BigInteger	A count of Low Error-Free Troughput Rate Seconds - Far-End.
xdslLineStatsFarEndLOFS [Xdsl Line Stats Far End LOFS] (aluXdslLineStatsFarEndLOFS)	java. math. BigInteger	A count of Loss of Framing Seconds - Far-End: Count of 1-second intervals containing one or more SEF defects at the far-end.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
xdslLineStatsFarEndLOSS [Xdsl Line Stats Far End LOSS] (aluXdslLineStatsFarEndLOSS)	java. math. BigInteger	A count of Loss of Signal Seconds - Far-End: Count of 1-second intervals with one or more LOS defects present at the far-end.
xdslLineStatsFarEndLPRS [Xdsl Line Stats Far End LPRS] (aluXdslLineStatsFarEndLPRS)	java. math. BigInteger	A count of Loss of power Seconds - Far-End: Count of 1-second intervals containing one or more LPR defects at the far-end.
xdslLineStatsFarEndSES [Xdsl Line Stats Far End SES] (aluXdslLineStatsFarEndSES)	java. math. BigInteger	A count of Severely Errored Seconds - Far-End: Count of 1-second intervals with 18 or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsFarEndUAS [Xdsl Line Stats Far End UAS] (aluXdslLineStatsFarEndUAS)	java. math. BigInteger	A count of Unavailable Seconds - Far-End: Count of 1-second intervals for which the ADSL line is not available (the line becomes unavailable at the onset of 10 continuous SES).
xdslLineStatsNearEndAS [Xdsl Line Stats Near End AS] (aluXdslLineStatsNearEndAS)	java. math. BigInteger	A count of Available Seconds - Near-End: Count of 1 second intervals for which the ADSL line is available.
xdslLineStatsNearEndES [Xdsl Line Stats Near End ES] (aluXdslLineStatsNearEndES)	java. math. BigInteger	A count of Errored Seconds - Near-End: Count of 1-second intervals with one or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsNearEndFECS [Xdsl Line Stats Near End FECS] (aluXdslLineStatsNearEndFECS)	java. math. BigInteger	A count of Forward Error Correction Seconds - Near-End: Count of 1-second intervals with one or more FEC corrections on either one of the active latencies at the near-end.
xdslLineStatsNearEndLEFTRS [Xdsl Line Stats Near End LEFTRS] (aluXdslLineStatsNearEndLEFTRS)	java. math. BigInteger	A count of Low Error-Free Troughput Rate Seconds - Near-End.

Table 361 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
xdslLineStatsNearEndLOFS [Xdsl Line Stats Near End LOFS] (aluXdslLineStatsNearEndLOFS)	java. math. BigInteger	A count of Loss of Framing Seconds - Near-End: Count of 1-second intervals containing one or more SEF defects at the near-end.
xdslLineStatsNearEndLOSS [Xdsl Line Stats Near End LOSS] (aluXdslLineStatsNearEndLOSS)	java. math. BigInteger	A count of Loss of Signal Seconds - Near-End: Count of 1-second intervals with one or more LOS defects present at the near-end.
xdslLineStatsNearEndLPRS [Xdsl Line Stats Near End LPRS] (aluXdslLineStatsNearEndLPRS)	java. math. BigInteger	A count of Loss of power Seconds - Near-End: Count of 1-second intervals containing one or more LPR defects at the near-end.
xdslLineStatsNearEndSES [Xdsl Line Stats Near End SES] (aluXdslLineStatsNearEndSES)	java. math. BigInteger	A count of Severely Errored Seconds - Near-End: Count of 1-second intervals with 18 or more FEBE anomalies, or 1 or more LOS defects, or one or more RDI defects.
xdslLineStatsNearEndUAS [Xdsl Line Stats Near End UAS] (aluXdslLineStatsNearEndUAS)	java. math. BigInteger	A count of Unavailable Seconds - Near-End: Count of 1-second intervals for which the ADSL line is not available (the line becomes unavailable at the onset of 10 continuous SES).
xdslLineStatsUpTime [Xdsl Line Stats Up Time] (aluXdslLineStatsUpTime)	long	A count of the number of seconds already in showtime.

Table 362 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 362 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 363 fr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tmnxFRDlcmiEntry</p> <p>Entry description: The Parameters for a particular Data Link Connection Management Interface. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxFRDlcmiTable): The tmnxFRDlcmiTable has an entry for each port in the system that is configured for Frame Relay. It contains the parameters for the Data Link Connection Management Interface (DLCMI) for the frame relay service on this port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: fr.Interface</p>		
lmiDiscardedMessages [Lmi Discarded Messages] (tmnxFRDlcmiDiscardedMsgs)	long	tmnxFRDlcmiDiscardedMsgs indicates the number of times the LMI agent discarded a received message because it wasn't expecting it, the type of message was incorrect, or the contents of the message were invalid.
lmiInvalidRxSeqNumMessages [Lmi Invalid Rx Seq Num Messages] (tmnxFRDlcmiInvRxSeqNumMsgs)	long	tmnxFRDlcmiInvRxSeqNumMsgs indicates the number of times the LMI agent received a message with an invalid receive sequence number: i.e. a sequence number that does not match the last transmitted sequence number of the agent.
lmiRxStatusEnquiryMessages [Lmi Rx Status Enquiry Messages] (tmnxFRDlcmiRxStatusEnqMsgs)	long	tmnxFRDlcmiRxStatusEnqMsgs indicates the number of LMI Status Enquiry messages received on this Frame Relay interface.
lmiRxStatusMessages [Lmi Rx Status Messages] (tmnxFRDlcmiRxStatusMsgs)	long	tmnxFRDlcmiRxStatusMsgs indicates the number of LMI Status messages received on this Frame Relay interface.
lmiStatusEnquiryMsgTimeouts [Lmi Status Enquiry Msg Timeouts] (tmnxFRDlcmiStatusEnqMsgTimeouts)	long	tmnxFRDlcmiStatusEnqMsgTimeouts indicates the number of times the LMI agent did not receive a Status Enquiry message within the allotted time.

Table 363 fr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lmiStatusMsgTimeouts [Lmi Status Msg Timeouts] (tmnxFRDlcmiStatusMsgTimeouts)	long	tmnxFRDlcmiStatusMsgTimeouts indicates the number of times the LMI agent did not receive a Status message within the allotted time.
lmiTxStatusEnquiryMessages [Lmi Tx Status Enquiry Messages] (tmnxFRDlcmiTxStatusEnqMsgs)	long	tmnxFRDlcmiTxStatusEnqMsgs indicates the number of LMI Status Enquiry messages transmitted on this Frame Relay interface.
lmiTxStatusMessages [Lmi Tx Status Messages] (tmnxFRDlcmiTxStatusMsgs)	long	tmnxFRDlcmiTxStatusMsgs indicates the number of LMI Status messages transmitted on this Frame Relay interface.

Table 364 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 364 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 364 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 364 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 365 ipsec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecSAStats MIB entry name: tmnxIPsecSAStatsEntry Entry description: Information about a single IPsec SA Statistics entry. Table description (for tmnxIPsecSAStatsTable): Table to retrieve the IPsec SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecSecurityAssociation</p>		
bytesProcessed [Bytes Processed] (tmnxIPsecSAStatsBytesProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tmnxIPsecSAStatsCryptoErrors)	long	The value of tmnxIPsecSAStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tmnxIPsecSAStatsPktsProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tmnxIPsecSAStatsPolicyErrors)	long	The value of tmnxIPsecSAStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.
replayErrors [Replay Errors] (tmnxIPsecSAStatsReplayErrors)	long	The value of tmnxIPsecSAStatsReplayErrors indicates the number of replay errors encountered on this SA.

Table 365 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saErrors [Sa Errors] (tmnxIPsecSASStatsSAErrors)	long	The value of tmnxIPsecSASStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, ploicy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecTunnelStats MIB entry name: tmnxIPsecTunnelStatsEntry Entry description: Statistics for a single IPsec Tunnel. Table description (for tmnxIPsecTunnelStatsTable): Table to store IPsec Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecTunnel		
isakmpEstabTime [Isakmp Estab Time] (tmnxIPsecTunnellsakmpEstabTime)	long	The value of tmnxIPsecTunnellsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tmnxIPsecTunnellsakmpNegLifeTime)	long	The value of tmnxIPsecTunnellsakmpNegLifeTime indicates the lifetime negotiated for phase1 lke key.
isakmpState [Isakmp State] (tmnxIPsecTunnellsakmpState)	long	The value of tmnxIPsecTunnellsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tmnxIPsecTunnelNumCtrlPktsRx)	long	The value of tmnxIPsecTunnelNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.
numCtrlPktsTx [Num Ctrl Pkts Tx] (tmnxIPsecTunnelNumCtrlPktsTx)	long	The value of tmnxIPsecTunnelNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.

Table 365 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlRxErrors [Num Ctrl Rx Errors] (tmnxIPsecTunnelNumCtrlRxErrors)	long	The value of tmnxIPsecTunnelNumCtrlRxErrors indicates the number of control packet receive errors.
numCtrlTxErrors [Num Ctrl Tx Errors] (tmnxIPsecTunnelNumCtrlTxErrors)	long	The value of tmnxIPsecTunnelNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tmnxIPsecTunnelNumDpdAckRx)	long	The value of tmnxIPsecTunnelNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tmnxIPsecTunnelNumDpdAckTx)	long	The value of tmnxIPsecTunnelNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tmnxIPsecTunnelNumDpdRx)	long	The value of tmnxIPsecTunnelNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tmnxIPsecTunnelNumDpdTx)	long	The value of tmnxIPsecTunnelNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tmnxIPsecTunnelNumExpRx)	long	The value of tmnxIPsecTunnelNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tmnxIPsecTunnelNumInvalidDpdRx)	long	The value of tmnxIPsecTunnelNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 366 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisStatsCSNPDrop)	long	The value of the object tmnxIisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIisStatsCSNPRecd)	long	The value of the object tmnxIisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisStatsCSNPRetrans)	long	The value of the object tmnxIisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIisStatsCSNPSent)	long	The value of the object tmnxIisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIisStatsIIHDrop)	long	The value of the object tmnxIisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisStatsIIHDrop.

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPRetrans)	long	The value of the object tmnxIisisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownRetrans)	long	The value of the object tmnxIisisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.

Table 366 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lfaRuns [Lfa Runs] (tmnxIsisStatsLfaRuns)	long	The value of the object tmnxIsisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 367 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.

Table 367 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.

Table 367 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStpStats</p> <p>MIB entry name: svcTlsInfoEntry</p> <p>Entry description: TLS specific information about a service.</p> <p>Table description (for svcTlsInfoTable): A table that contains TLS service information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.SiteStp</p>		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 368 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 368 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 368 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 368 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 368 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 369 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStatsExtension</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
p2mpFecReceived [P2 mp Fec Received] (vRtrLdpStatsP2MPFECRecv)	long	The value of vRtrLdpStatsP2MPFECRecv specifies the number of P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vRtrLdpStatsP2MPFECSent)	long	The value of vRtrLdpStatsP2MPFECSent specifies the number of P2MP FECs sent by the LDP instance to its neighbors.

Table 369 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 370 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 370 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tnmxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tnmxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tnmxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 370 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 370 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: lldp.LLDPConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 371 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupSourceSummaryStats</p> <p>MIB entry name: vRtrMldGrpSrcSummaryEntry</p> <p>Entry description: An entry in the vRtrMldGrpSrcSummaryTable. Each entry represents the summary counters for each Group/Source combination.</p> <p>Table description (for vRtrMldGrpSrcSummaryTable): The table listing the IP multicast Group/Source summary counters.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Site</p>		
blockedGrpIntfSaps [Blocked Grp Intf Saps] (vRtrMldGrpSrcSummBlkGrpIfSaps)	long	vRtrMldGrpSrcSummBlkGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the blocking list.
blockedHosts [Blocked Hosts] (vRtrMldGrpSrcSummBlkHosts)	long	vRtrMldGrpSrcSummBlkHosts indicates the number of hosts having this Group/Source combination in the blocking list.
blockedInterfaces [Blocked Interfaces] (vRtrMldGrpSrcSummBlkInterfaces)	long	vRtrMldGrpSrcSummBlkInterfaces indicates the number of interfaces having this Group/Source combination in the blocking list.
fwdGrpIntfSaps [Fwd Grp Intf Saps] (vRtrMldGrpSrcSummFwdGrpIfSaps)	long	vRtrMldGrpSrcSummFwdGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the forwarding list.
fwdHosts [Fwd Hosts] (vRtrMldGrpSrcSummFwdHosts)	long	vRtrMldGrpSrcSummFwdHosts indicates the number of hosts having this Group/Source combination in the forwarding list.
fwdInterfaces [Fwd Interfaces] (vRtrMldGrpSrcSummFwdInterfaces)	long	vRtrMldGrpSrcSummFwdInterfaces indicates the number of interfaces having this Group/Source combination in the forwarding list.

Table 371 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.

Table 371 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.

Table 371 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.

Table 371 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.

Table 371 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 372 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/ vRtrMplsLspAge * 100 %).

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats</p> <p>MIB entry name: vRtrMplsIfStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SarMplsInterfaceStats</p> <p>MIB entry name: aluVRtrMplsIfStatEntry</p> <p>Entry description: Information about the extensions of vRtrMplsIfStatTable which represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol.</p> <p>Table description (for aluVRtrMplsIfStatTable): Information about the Nokia 7705 SAR extensions to the vRtrMplsIfStatTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Interface</p>		
lastInvalidLabel [Last Invalid Label] (aluVRtrMplsIfLastInvalidLabel)	int	The value of aluVRtrMplsIfLastInvalidLabel indicates the last invalid MPLS label value.
lastInvalidPos [Last Invalid Pos] (aluVRtrMplsIfLastInvalidPos)	long	The value of aluVRtrMplsIfLastInvalidPos indicates the last invalid MPLS label position.
rxInvIpoMplsPkts [Rx Inv Ipo Mpls Pkts] (aluVRtrMplsIfRxInvIpoMplsPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxInvIpoMplsPkts indicates the total number of invalid IP over MPLS packets received on this interface.
rxInvLabels [Rx Inv Labels] (aluVRtrMplsIfRxInvLabels)	java. math. BigInteger	The value of aluVRtrMplsIfRxInvLabels indicates the total number of invalid MPLS labels received on this interface.
rxMoFRRBkupPathPkts [Rx Mo FRRBkup Path Pkts] (aluVRtrMplsIfRxMoFRRBkupPathPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxMoFRRBkupPathPkts indicates the total number of MPLS packets received on backup path for Multicast-only Fast ReRoute (MoFRR) on this interface.

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxMtuExceedPkts [Rx Mtu Exceed Pkts] (aluVRtrMplsIfRxMtuExceedPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxMtuExceedPkts indicates the total number of MPLS Mtu Exceeded packets received on this interface.
rxOtherDiscardPkts [Rx Other Discard Pkts] (aluVRtrMplsIfRxOtherDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxOtherDiscardPkts indicates the total number of discarded packets on this interface due to other reasons.
rxQueueDiscardPkts [Rx Queue Discard Pkts] (aluVRtrMplsIfRxQueueDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxQueueDiscardPkts indicates the total number of MPLS packets discarded due to queue congestion or maintenance action on this interface.
rxStackTooBigPkts [Rx Stack Too Big Pkts] (aluVRtrMplsIfRxStackTooBigPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxStackTooBigPkts indicates the total number of MPLS stack too big packets received on this interface. This is the number of MPLS labels greater than 5.
rxTTLExpiredPkts [Rx TTLExpired Pkts] (aluVRtrMplsIfRxTTLExpiredPkts)	java. math. BigInteger	The value of aluVRtrMplsIfRxTTLExpiredPkts indicates the total number of MPLS TTL expired packets received on this interface.
txMtuExceedPkts [Tx Mtu Exceed Pkts] (aluVRtrMplsIfTxMtuExceedPkts)	java. math. BigInteger	The value of aluVRtrMplsIfTxMtuExceedPkts indicates the total number of MPLS Mtu Exceeded packets transmitted on this interface.
txOtherDiscardPkts [Tx Other Discard Pkts] (aluVRtrMplsIfTxOtherDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfTxOtherDiscardPkts indicates the total number of discarded packets to be transmitted on this interface due to other reasons.
txQueueDiscardPkts [Tx Queue Discard Pkts] (aluVRtrMplsIfTxQueueDiscardPkts)	java. math. BigInteger	The value of aluVRtrMplsIfTxQueueDiscardPkts indicates the total number of MPLS transmitted packets discarded due to queue congestion or maintenance action on this interface.

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.

Table 372 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 373 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 373 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 373 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 373 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 373 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 374 mwa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MwLinkStats</p> <p>MIB entry name: aluMwLinkStatisticsEntry</p> <p>Entry description: Each row entry represents a Packet Microwave Link that is provisioned on the system.</p> <p>Table description (for aluMwLinkStatisticsTable): The aluMwLinkStatisticsTable has an entry for each Packet Microwave Link in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mwa.MwLink</p>		
mwLinkAggrDiscardedTx [Mw Link Aggr Discarded Tx] (aluMwLinkAggrDiscardedTx)	java. math. BigInteger	aluMwLinkAggrDiscardedTx specifies the number of frames discarded on the radio before transmission.
mwLinkAggrFramesTx [Mw Link Aggr Frames Tx] (aluMwLinkAggrFramesTx)	java. math. BigInteger	aluMwLinkAggrFramesTx specifies the number of ethernet frames to be transmitted over radio link.
mwLinkAggrOctetsTx [Mw Link Aggr Octets Tx] (aluMwLinkAggrOctetsTx)	java. math. BigInteger	aluMwLinkAggrOctetsTx specifies the number of octets to be transmitted over radio link.
mwLinkQueue1DiscardedTx [Mw Link Queue 1 Discarded Tx] (aluMwLinkQueue1DiscardedTx)	java. math. BigInteger	aluMwLinkQueue1DiscardedTx specifies the number of frames discarded on the radio from queue 1 before transmission.
mwLinkQueue1FramesTx [Mw Link Queue 1 Frames Tx] (aluMwLinkQueue1FramesTx)	java. math. BigInteger	aluMwLinkQueue1FramesTx specifies the number of ethernet frames to be transmitted from queue 1 over radio link.

Table 374 mwa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mwLinkQueue1OctetsTx [Mw Link Queue 1 Octets Tx] (aluMwLinkQueue1OctetsTx)	java. math. BigInteger	aluMwLinkQueue1OctetsTx specifies the number of octets to be transmitted from queue 1 over radio link.
mwLinkQueue2DiscardedTx [Mw Link Queue 2 Discarded Tx] (aluMwLinkQueue2DiscardedTx)	java. math. BigInteger	aluMwLinkQueue2DiscardedTx specifies the number of frames discarded on the radio from queue 2 before transmission.
mwLinkQueue2FramesTx [Mw Link Queue 2 Frames Tx] (aluMwLinkQueue2FramesTx)	java. math. BigInteger	aluMwLinkQueue2FramesTx specifies the number of ethernet frames to be transmitted from queue 2 over radio link.
mwLinkQueue2OctetsTx [Mw Link Queue 2 Octets Tx] (aluMwLinkQueue2OctetsTx)	java. math. BigInteger	aluMwLinkQueue2OctetsTx specifies the number of octets transmitted to be from queue 2 over radio link.
mwLinkQueue3DiscardedTx [Mw Link Queue 3 Discarded Tx] (aluMwLinkQueue3DiscardedTx)	java. math. BigInteger	aluMwLinkQueue3DiscardedTx specifies the number of frames discarded on the radio from queue 3 before transmission.
mwLinkQueue3FramesTx [Mw Link Queue 3 Frames Tx] (aluMwLinkQueue3FramesTx)	java. math. BigInteger	aluMwLinkQueue3FramesTx specifies the number of ethernet frames to be transmitted from queue 3 over radio link.
mwLinkQueue3OctetsTx [Mw Link Queue 3 Octets Tx] (aluMwLinkQueue3OctetsTx)	java. math. BigInteger	aluMwLinkQueue3OctetsTx specifies the number of octets to be transmitted from queue 3 over radio link.
mwLinkQueue4DiscardedTx [Mw Link Queue 4 Discarded Tx] (aluMwLinkQueue4DiscardedTx)	java. math. BigInteger	aluMwLinkQueue4DiscardedTx specifies the number of frames discarded on the radio from queue 4 before transmission.

Table 374 mwa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mwLinkQueue4FramesTx [Mw Link Queue 4 Frames Tx] (aluMwLinkQueue4FramesTx)	java. math. BigInteger	aluMwLinkQueue4FramesTx specifies the number of ethernet frames to be transmitted from queue 4 over radio link.
mwLinkQueue4OctetsTx [Mw Link Queue 4 Octets Tx] (aluMwLinkQueue4OctetsTx)	java. math. BigInteger	aluMwLinkQueue4OctetsTx specifies the number of octets to be transmitted from queue 4 over radio link.
mwLinkQueue5DiscardedTx [Mw Link Queue 5 Discarded Tx] (aluMwLinkQueue5DiscardedTx)	java. math. BigInteger	aluMwLinkQueue5DiscardedTx specifies the number of frames discarded on the radio from queue 5 before transmission.
mwLinkQueue5FramesTx [Mw Link Queue 5 Frames Tx] (aluMwLinkQueue5FramesTx)	java. math. BigInteger	aluMwLinkQueue5FramesTx specifies the number of ethernet frames to be transmitted from queue 5 over radio link.
mwLinkQueue5OctetsTx [Mw Link Queue 5 Octets Tx] (aluMwLinkQueue5OctetsTx)	java. math. BigInteger	aluMwLinkQueue5OctetsTx specifies the number of octets to be transmitted from queue 5 over radio link.

Table 375 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SecurityEngineStats MIB entry name: aluSecEngineStatsEntry Entry description: Each row entry represents a security engine. Table description (for aluSecEngineStatsTable): The aluSecEngineStatsTable has an entry for security engine in the system. Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
engineDropPkts [Engine Drop Pkts] (aluSecEngineDropPkts)	java. math. BigInteger	Pkts dropped by Engine due to security policy.
engineId [Engine Id] (aluSecEngineId)	long	The value of aluSecEngineId specifies the identifier for security engine.
engineRxQueueCtrlPkts [Engine Rx Queue Ctrl Pkts] (aluSecEngineRxQueueCtrlPkts)	java. math. BigInteger	Control Pkts forwarded to Engine from Rx Queue.
engineRxQueueDataPkts [Engine Rx Queue Data Pkts] (aluSecEngineRxQueueDataPkts)	java. math. BigInteger	Session Data Pkts forwarded to Engine from Rx Queue.
engineRxQueueDropPkts [Engine Rx Queue Drop Pkts] (aluSecEngineRxQueueDropPkts)	java. math. BigInteger	Pkts dropped by Engine Rx Queue.

Table 375 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
engineUtilization [Engine Utilization] (aluSecEngineUtilization)	long	The value of aluSecEngineUtilization specifies the percentage of the processing capacity in use over the last second.
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmpInGetBulks [Sgi Snmp In Get Bulks] (sgiSnmpInGetBulks)	long	The value of sgiSnmpInGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 375 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 375 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 376 nge statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>KeyGroupSdpBindingStats</p> <p>MIB entry name: aluNgeKeygroupSdpBindStatsEntry</p> <p>Entry description: Information about a single NGE keygroup sdp binding statistics.</p> <p>Table description (for aluNgeKeygroupSdpBindStatsTable): Table to store the NGE keygroup sdp binding statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
decryptedBytes [Decrypted Bytes] (aluNgeKeygroupSdpBindDecryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindDecryptBytes indicates the number of bytes successfully decrypted by the sdp binding.
decryptedPackets [Decrypted Packets] (aluNgeKeygroupSdpBindDecryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindDecryptPkts indicates the number of packets successfully decrypted by the sdp binding.
encryptedBytes [Encrypted Bytes] (aluNgeKeygroupSdpBindEncryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindEncryptBytes indicates the number of bytes successfully encrypted by the sdp binding.
encryptedPackets [Encrypted Packets] (aluNgeKeygroupSdpBindEncryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSdpBindEncryptPkts indicates the number of packets successfully encrypted by the sdp binding.

Table 376 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDroppedInvalidSpi [In Dropped Invalid Spi] (aluNgeKeygroupSdpBindIngDrop-InvalidSpi)	long	The value of aluNgeKeygroupSdpBindIngDropInvalidSpi indicates the number of packets dropped before and during inbound (decryption) processing by the sdp binding. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
inDroppedOther [In Dropped Other] (aluNgeKeygroupSdpBindIngDropOtherPkts)	long	The value of aluNgeKeygroupSdpBindIngDropOtherPkts indicates the number of packets dropped before and during inbound (decryption) processing by the sdp binding for unspecified reasons.
outDroppedTotal [Out Dropped Total] (aluNgeKeygroupSdpBindEgDropPkts)	long	The value of aluNgeKeygroupSdpBindEgDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the sdp binding.
<p>KeyGroupSpiStats MIB entry name: aluNgeKeygroupSpiStatsEntry Entry description: Statistics for a single encryption keygroup SPI. Table description (for aluNgeKeygroupSpiStatsTable): Table to store group encryption keygroup SPI level statistics. Supports realtime plotting Supports scheduled collection Monitored class: nge.SecurityAssociation</p>		
decryptedBytes [Decrypted Bytes] (aluNgeKeygroupSpiDecryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSpiDecryptBytes indicates the number of bytes successfully decrypted by the group encryption keygroup SPI.
decryptedPackets [Decrypted Packets] (aluNgeKeygroupSpiDecryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSpiDecryptPkts indicates the number of packets successfully decrypted by the group encryption keygroup SPI.

Table 376 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptedBytes [Encrypted Bytes] (aluNgeKeygroupSpiEncryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupSpiEncryptBytes indicates the number of bytes successfully encrypted by the group encryption keygroup SPI.
encryptedPackets [Encrypted Packets] (aluNgeKeygroupSpiEncryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupSpiEncryptPkts indicates the number of packets successfully encrypted by the group encryption keygroup SPI.
inDroppedAuthenticationFailure [In Dropped Authentication Failure] (aluNgeKeygroupSpiInDropAuthFailure)	long	The value of aluNgeKeygroupSpiInDropAuthFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that authentication failed on the received packets.
inDroppedControlWordMismatch [In Dropped Control Word Mismatch] (aluNgeKeygroupSpiInDropControlWordMismatch)	long	The value of aluNgeKeygroupSpiInDropControlWordMismatch indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that the decrypted control word does not match the outer control word.
inDroppedEnqueueError [In Dropped Enqueue Error] (aluNgeKeygroupSpiInDropEnqueueError)	long	The value of aluNgeKeygroupSpiInDropEnqueueError indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that there are enqueue errors in the encryption engine.
inDroppedOther [In Dropped Other] (aluNgeKeygroupSpiInDropOther)	long	The value of aluNgeKeygroupSpiInDropOther indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI for unspecified reasons.
inDroppedPaddingFailure [In Dropped Padding Failure] (aluNgeKeygroupSpiInDropPaddingFailure)	long	The value of aluNgeKeygroupSpiInDropPaddingFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI. This implies that there are padding errors detected on the received packets.

Table 376 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDroppedTotal [In Dropped Total] (aluNgeKeygroupSpiInDropPkts)	long	The value of aluNgeKeygroupSpiInDropPkts indicates the total number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup SPI.
outDroppedEnqueueError [Out Dropped Enqueue Error] (aluNgeKeygroupSpiOutDropEnqueueError)	long	The value of aluNgeKeygroupSpiOutDropEnqueueError indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup SPI. This implies that there are enqueue errors in the encryption engine.
outDroppedOther [Out Dropped Other] (aluNgeKeygroupSpiOutDropOther)	long	The value of aluNgeKeygroupSpiOutDropOther indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup SPI for unspecified reasons.
outDroppedTotal [Out Dropped Total] (aluNgeKeygroupSpiOutDropPkts)	long	The value of aluNgeKeygroupSpiOutDropPkts indicates the total number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup SPI.
KeyGroupStats MIB entry name: aluNgeKeygroupStatsEntry Entry description: Statistics for a single group encryption keygroup. Table description (for aluNgeKeygroupStatsTable): Table to store group encryption keygroup level statistics. Supports realtime plotting Supports scheduled collection Monitored class: nge.KeyGroup		
decryptedBytes [Decrypted Bytes] (aluNgeKeygroupDecryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupDecryptBytes indicates the number of bytes successfully decrypted by the group encryption keygroup.

Table 376 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
decryptedPackets [Decrypted Packets] (aluNgeKeygroupDecryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupDecryptPkts indicates the number of packets successfully decrypted by the group encryption keygroup.
encryptedBytes [Encrypted Bytes] (aluNgeKeygroupEncryptBytes)	java. math. BigInteger	The value of aluNgeKeygroupEncryptBytes indicates the number of bytes successfully encrypted by the group encryption keygroup.
encryptedPackets [Encrypted Packets] (aluNgeKeygroupEncryptPkts)	java. math. BigInteger	The value of aluNgeKeygroupEncryptPkts indicates the number of packets successfully encrypted by the group encryption keygroup.
inDroppedAuthenticationFailure [In Dropped Authentication Failure] (aluNgeKeygroupInDropAuthFailure)	long	The value of aluNgeKeygroupInDropAuthFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that authentication failed on the received packets.
inDroppedControlWordMismatch [In Dropped Control Word Mismatch] (aluNgeKeygroupInDropControl- WordMismatch)	long	The value of aluNgeKeygroupInDropControlWordMismatch indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that the decrypted control word does not match the outer control word.
inDroppedEnqueueError [In Dropped Enqueue Error] (aluNgeKeygroupInDropEnqueueError)	long	The value of aluNgeKeygroupInDropEnqueueError indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that there are enqueue errors in the encryption engine.

Table 376 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDroppedInvalidSpi [In Dropped Invalid Spi] (aluNgeKeygroupInDropInvalidSpi)	long	The value of aluNgeKeygroupInDropInvalidSpi indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
inDroppedOther [In Dropped Other] (aluNgeKeygroupInDropOther)	long	The value of aluNgeKeygroupInDropOther indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup for unspecified reasons.
inDroppedPaddingFailure [In Dropped Padding Failure] (aluNgeKeygroupInDropPaddingFailure)	long	The value of aluNgeKeygroupInDropPaddingFailure indicates the number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup. This implies that there are padding errors detected on the received packets.
inDroppedTotal [In Dropped Total] (aluNgeKeygroupInDropPkts)	long	The value of aluNgeKeygroupInDropPkts indicates the total number of packets dropped before and during inbound (decryption) processing by the group encryption keygroup.
inLastDroppedSpi [In Last Dropped Spi] (aluNgeKeygroupInLastDropSpi)	long	The value of aluNgeKeygroupInLastDropSpi indicates the last SPI value of the packet dropped before and during inbound (decryption) processing by the group encryption keygroup. If 0x00000000 is received, it implies that no discard involving SPIs has occurred. If 0xFFFFFFFF is received, it implies that discards occurred involving unencrypted traffic without encryption label. Any other values should be interpreted as a normal SPI ID.
outDroppedEnqueueError [Out Dropped Enqueue Error] (aluNgeKeygroupOutDropEnqueueError)	long	The value of aluNgeKeygroupOutDropEnqueueError indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup. This implies that there are enqueue errors in the encryption engine.

Table 376 nge statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outDroppedOther [Out Dropped Other] (aluNgeKeygroupOutDropOther)	long	The value of aluNgeKeygroupOutDropOther indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup for unspecified reasons.
outDroppedTotal [Out Dropped Total] (aluNgeKeygroupOutDropPkts)	long	The value of aluNgeKeygroupOutDropPkts indicates the total number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup.
outDroppedUnsupportedUplink [Out Dropped Unsupported Uplink] (aluNgeKeygroupOutDropUnsup- portedUplink)	long	The value of aluNgeKeygroupOutDropUnsupportedUplink indicates the number of packets dropped before and during outbound (encryption) processing by the group encryption keygroup. This implies that the resolved uplink does not support encryption.

Table 377 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamIfEvents)	long	The value of tmnxOspfShamIfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkTransmitStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 377 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 378 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 378 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 378 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 378 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 378 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 378 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 379 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats</p> <p>MIB entry name: vRtrPimNgGenStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGenStatTable.</p> <p>Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertizements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertizements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertizement has a router alert set and the destination address is not the router's local address.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertizements (C-RP-Adv).

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.

Table 379 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmtch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmtch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpflfIndex.

Table 380 ppp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppStats</p> <p>MIB entry name: tmnxPppEntry</p> <p>Entry description: Each row entry represents a port from the tmnxPortTable that is configured for PPP. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxPppTable): The tmnxPppTable has an entry for each port in the system that is configured for PPP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ppp.Interface</p>		
keepaliveEchoReplyPacketsReceived [Keepalive Echo Reply Packets Received] (tmnxPppKaInPktCount)	long	The number of echo-reply packets received.
keepaliveEchoRequestPacketsSent [Keepalive Echo Request Packets Sent] (tmnxPppKaOutPktCount)	long	The number of echo-request packets sent.
keepaliveThresholdExceedsCount [Keepalive Threshold Exceeds Count] (tmnxPppKaThresholdExceedsCount)	long	The number of times that tmnxPppKaDropCount was reached.
lqmInRate [Lqm In Rate] (tmnxPppLqmInRate)	long	The average of 'SaveInPackets'/'PeerOutPackets' in the last five consecutive LQRs received.
lqmLqrPacketsReceived [Lqm Lqr Packets Received] (tmnxPppLqmInPktCount)	long	The number of LQR packets received.
lqmLqrPacketsSent [Lqm Lqr Packets Sent] (tmnxPppLqmOutPktCount)	long	The number of LQR packets sent.

Table 380 ppp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lqmOutRate [Lqm Out Rate] (tmnxPppLqmOutRate)	long	The average of 'PeerInPackets'/'LastOutPackets' in the last five consecutive LQRs received.
lqmThresholdExceedsCount [Lqm Threshold Exceeds Count] (tmnxPppLqmThresholdExceedsCount)	long	The number of times that either tmnxPppLqmInRate or tmnxPppLqmOutRate falls below the specified quality percentage when PPP quality or LQM is enforced.

Table 381 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IEEEPTPPortStats</p> <p>MIB entry name: tmnxPtpPortStatsEntry</p> <p>Entry description: The tmnxPtpPortStatsEntry contains the directional packet statistics for a specific Ethernet port configured for direct transport of PTP over Ethernet. Rows are created and destroyed by the system, when corresponding entries in the tmnxPtpPortTable are created and deleted.</p> <p>Table description (for tmnxPtpPortStatsTable): The tmnxPtpPortStatsTable contains packet statistics for Ethernet ports configured for direct transport of PTP over Ethernet.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPort</p>		
ptpPortStatAnnounce [Ptp Port Stat Announce] (tmnxPtpPortStatAnnounce)	long	The value of tmnxPtpPortStatAnnounce indicates the number of accumulated PTP Announce packets transmitted or received on the Ethernet port.
ptpPortStatDelayRequest [Ptp Port Stat Delay Request] (tmnxPtpPortStatDelayRequest)	long	The value of tmnxPtpPortStatDelayRequest indicates the number of accumulated PTP Delay Request packets transmitted or received on the Ethernet port.
ptpPortStatDelayResponse [Ptp Port Stat Delay Response] (tmnxPtpPortStatDelayResponse)	long	The value of tmnxPtpPortStatDelayResponse indicates the number of accumulated PTP Delay Response packets transmitted or received on the Ethernet port.
ptpPortStatDirection [Ptp Port Stat Direction] (tmnxPtpPortStatDirection)	int	The value of tmnxPtpPortStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPortStatDropAltMaster [Ptp Port Stat Drop Alt Master] (tmnxPtpPortStatDropAltMaster)	long	The value of tmnxPtpPortStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatDropBadDomain [Ptp Port Stat Drop Bad Domain] (tmnxPtpPortStatDropBadDomain)	long	The value of tmnxPtpPortStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOther [Ptp Port Stat Drop Other] (tmnxPtpPortStatDropOther)	long	The value of tmnxPtpPortStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in tmnxPtpPortStatDropBadDomain, tmnxPtpPortStatDropAltMaster, and tmnxPtpPortStatDropOutOfSeq. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOutOfSeq [Ptp Port Stat Drop Out Of Seq] (tmnxPtpPortStatDropOutOfSeq)	long	The value of tmnxPtpPortStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPortStatFollowUp [Ptp Port Stat Follow Up] (tmnxPtpPortStatFollowUp)	long	The value of tmnxPtpPortStatFollowUp indicates the number of accumulated PTP Follow-Up packets transmitted or received on the Ethernet port. Because 'tmnxPtpClockStep-Type' is 'oneStep (1)', the system will never transmit PTP Follow-Up packets. However, it may receive PTP Follow-Up packets from a two-step master or boundary clock.
ptpPortStatOther [Ptp Port Stat Other] (tmnxPtpPortStatOther)	long	The value of tmnxPtpPortStatOther indicates the number of accumulated PTP packets of all other types. This object is accumulated in the 'rx' direction only.
ptpPortStatSignaling [Ptp Port Stat Signaling] (tmnxPtpPortStatSignaling)	long	The value of tmnxPtpPortStatSignaling indicates the number of accumulated PTP Signaling packets received on the Ethernet port. This object is accumulated in the 'rx' direction only.
ptpPortStatSync [Ptp Port Stat Sync] (tmnxPtpPortStatSync)	long	The value of tmnxPtpPortStatSync indicates the number of accumulated PTP Sync packets transmitted or received on the Ethernet port.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatTimeStampCpm [Ptp Port Stat Time Stamp Cpm] (tmnxPtpPortStatTimeStampCpm)	long	The value of tmnxPtpPortStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp is taken at the operating system kernel on the CPM card.
ptpPortStatTimeStampPort [Ptp Port Stat Time Stamp Port] (tmnxPtpPortStatTimeStampPort)	long	The value of tmnxPtpPortStatTimeStampPort indicates the accumulated packet statistics for PTP event packets on the Ethernet port where the timestamp is taken at the physical layer on the Ethernet port.
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsTimeStampCpm [Ptp Clk Pkt Stats Time Stamp Cpm] (tmnxPtpClkPktStatsTimeStampCpm)	long	The value of tmnxPtpClkPktStatsTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpClkPktStatsTimeStampPort [Ptp Clk Pkt Stats Time Stamp Port] (tmnxPtpClkPktStatsTimeStampPort)	long	The value of tmnxPtpClkPktStatsTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
<p>PTPStats</p> <p>MIB entry name: aluPtpPeerPacketStatsEntry</p> <p>Entry description: Configuration information concerning IEEE 1588 PTP</p> <p>Table description (for aluPtpPeerPacketStatsTable): This table allows configuration to the IEEE 1588 PTP</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpPeerAlternateMasterDisc [Alu Ptp Peer Alternate Master Disc] (aluPtpPeerAlternateMasterDisc)	java. math. BigInteger	aluPtpPeerAlternateMasterDisc indicates the number of packets discarded on ingress as a result of the processing as described in IEEE P1588 D2.2 section 9.1.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerAnnounceMsgRx [Alu Ptp Peer Announce Msg Rx] (aluPtpPeerAnnounceMsgRx)	java. math. BigInteger	Indicates the number of Announce packets received from the master.
aluPtpPeerAnnounceMsgTx [Alu Ptp Peer Announce Msg Tx] (aluPtpPeerAnnounceMsgTx)	java. math. BigInteger	aluPtpPeerAnnounceMsgTx indicates the number of Announce packets transmitted to the master.
aluPtpPeerBadDomainDisc [Alu Ptp Peer Bad Domain Disc] (aluPtpPeerBadDomainDisc)	java. math. BigInteger	aluPtpPeerBadDomainDisc indicates the number of packets discarded on ingress as a result of the processing as described in IEEE P1588 D2.2 section 9.5.1.
aluPtpPeerBadVersionDisc [Alu Ptp Peer Bad Version Disc] (aluPtpPeerBadVersionDisc)	java. math. BigInteger	aluPtpPeerBadVersionDisc indicates the number of packets discarded on ingress as a result of the IEEE P1588 D2.2 section 7.5.5 version number checking.
aluPtpPeerDelayReqMsgRx [Alu Ptp Peer Delay Req Msg Rx] (aluPtpPeerDelayReqMsgRx)	java. math. BigInteger	Indicates the number of Delay Request packets received from the master.
aluPtpPeerDelayReqMsgTx [Alu Ptp Peer Delay Req Msg Tx] (aluPtpPeerDelayReqMsgTx)	java. math. BigInteger	Indicates the number of Delay Request packets transmitted to the master.
aluPtpPeerDelayRespMsgRx [Alu Ptp Peer Delay Resp Msg Rx] (aluPtpPeerDelayRespMsgRx)	java. math. BigInteger	Indicates the number of Delay Response packets received from the master.
aluPtpPeerDelayRespMsgTx [Alu Ptp Peer Delay Resp Msg Tx] (aluPtpPeerDelayRespMsgTx)	java. math. BigInteger	Indicates the number of Delay Response packets transmitted to the master.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerDuplicateMsgDisc [Alu Ptp Peer Duplicate Msg Disc] (aluPtpPeerDuplicateMsgDisc)	java. math. BigInteger	aluPtpPeerDuplicateMsgDisc indicates the number of packets discarded on ingress as a result of processing described in IEEE P1588 D2.2 section 7.3.7.
aluPtpPeerOutOfOrderSyncPktRx [Alu Ptp Peer Out Of Order Sync Pkt Rx] (aluPtpPeerOutOfOrderSyncPktRx)	java. math. BigInteger	aluPtpPeerOutOfOrderSyncPktRx indicates the number of sync packets discarded on ingress as a sequence number processing
aluPtpPeerSignalingMsgRx [Alu Ptp Peer Signaling Msg Rx] (aluPtpPeerSignalingMsgRx)	java. math. BigInteger	Indicates the number of Signaling packets received from the master.
aluPtpPeerSignalingMsgTx [Alu Ptp Peer Signaling Msg Tx] (aluPtpPeerSignalingMsgTx)	java. math. BigInteger	Indicates the number of Signaling packets transmitted to the master.
aluPtpPeerStepRemovedGreaterThan255Disc [Alu Ptp Peer Step Removed Greater Than 255 Disc] (aluPtpPeerStepRemovedGreaterThan255Disc)	java. math. BigInteger	aluPtpPeerStepRemovedGreaterThan255Disc indicates the number of packets discarded on ingress as a result of processing as described in IEEE P1588 D2.2 section 9.3.2.5.
aluPtpPeerSyncMsgRx [Alu Ptp Peer Sync Msg Rx] (aluPtpPeerSyncMsgRx)	java. math. BigInteger	Indicates the number of Sync packets received from the master.
aluPtpPeerSyncMsgTx [Alu Ptp Peer Sync Msg Tx] (aluPtpPeerSyncMsgTx)	java. math. BigInteger	Indicates the number of Sync packets transmitted to the master.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerTotalUdpEventMsgRx [Alu Ptp Peer Total Udp Event Msg Rx] (aluPtpPeerTotalUdpEventMsgRx)	java. math. BigInteger	Indicates the number of packets received on UDP port 319.
aluPtpPeerTotalUdpEventMsgTx [Alu Ptp Peer Total Udp Event Msg Tx] (aluPtpPeerTotalUdpEventMsgTx)	java. math. BigInteger	Indicates the number of packets transmitted on UDP port 319.
aluPtpPeerTotalUdpGeneralMsgRx [Alu Ptp Peer Total Udp General Msg Rx] (aluPtpPeerTotalUdpGeneralMsgRx)	java. math. BigInteger	Indicates the number of packets received on UDP port 320.
aluPtpPeerTotalUdpGeneralMsgTx [Alu Ptp Peer Total Udp General Msg Tx] (aluPtpPeerTotalUdpGeneralMsgTx)	java. math. BigInteger	Indicates the number of packets transmitted on UDP port 320.
aluPtpPeerUcCancelAckAnnoRx [Alu Ptp Peer Uc Cancel Ack Anno Rx] (aluPtpPeerUcCancelAckAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce cancel acknowledgement packets received.
aluPtpPeerUcCancelAckAnnoTx [Alu Ptp Peer Uc Cancel Ack Anno Tx] (aluPtpPeerUcCancelAckAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce cancel acknowledgement packets transmitted.
aluPtpPeerUcCancelAckDelayRespRx [Alu Ptp Peer Uc Cancel Ack Delay Resp Rx] (aluPtpPeerUcCancelAckDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel acknowledgement packets received.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcCancelAckDelayRespTx [Alu Ptp Peer Uc Cancel Ack Delay Resp Tx] (aluPtpPeerUcCancelAckDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel acknowledgement packets transmitted.
aluPtpPeerUcCancelAckSyncRx [Alu Ptp Peer Uc Cancel Ack Sync Rx] (aluPtpPeerUcCancelAckSyncRx)	java. math. BigInteger	Indicates the number of unicast sync cancel acknowledgement packets received.
aluPtpPeerUcCancelAckSyncTx [Alu Ptp Peer Uc Cancel Ack Sync Tx] (aluPtpPeerUcCancelAckSyncTx)	java. math. BigInteger	Indicates the number of unicast sync cancel acknowledgement packets transmitted.
aluPtpPeerUcCancelAnnoRx [Alu Ptp Peer Uc Cancel Anno Rx] (aluPtpPeerUcCancelAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce cancel request packets received.
aluPtpPeerUcCancelAnnoTx [Alu Ptp Peer Uc Cancel Anno Tx] (aluPtpPeerUcCancelAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce cancel request packets transmitted.
aluPtpPeerUcCancelDelayRespRx [Alu Ptp Peer Uc Cancel Delay Resp Rx] (aluPtpPeerUcCancelDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel packets received.
aluPtpPeerUcCancelDelayRespTx [Alu Ptp Peer Uc Cancel Delay Resp Tx] (aluPtpPeerUcCancelDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response cancel packets transmitted.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcCancelSyncRx [Alu Ptp Peer Uc Cancel Sync Rx] (aluPtpPeerUcCancelSyncRx)	java. math. BigInteger	Indicates the number of unicast sync cancel packets received.
aluPtpPeerUcCancelSyncTx [Alu Ptp Peer Uc Cancel Sync Tx] (aluPtpPeerUcCancelSyncTx)	java. math. BigInteger	Indicates the number of unicast sync cancel packets transmitted.
aluPtpPeerUcGrantAnnoRejected [Alu Ptp Peer Uc Grant Anno Rejected] (aluPtpPeerUcGrantAnnoRejected)	java. math. BigInteger	Indicates the number of times the a Grant indication, for an Announce unicast negotiation, was rejected.
aluPtpPeerUcGrantAnnoRx [Alu Ptp Peer Uc Grant Anno Rx] (aluPtpPeerUcGrantAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce grant packets received.
aluPtpPeerUcGrantAnnoTx [Alu Ptp Peer Uc Grant Anno Tx] (aluPtpPeerUcGrantAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce grant packets transmitted.
aluPtpPeerUcGrantDelayRespRejected [Alu Ptp Peer Uc Grant Delay Resp Rejected] (aluPtpPeerUcGrantDelayRespRejected)	java. math. BigInteger	Indicates the number of times the a Grant indication, for Delay Response unicast negotiations, was rejected.
aluPtpPeerUcGrantDelayRespRx [Alu Ptp Peer Uc Grant Delay Resp Rx] (aluPtpPeerUcGrantDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response grant packets received.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcGrantDelayRespTx [Alu Ptp Peer Uc Grant Delay Resp Tx] (aluPtpPeerUcGrantDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response grant packets transmitted.
aluPtpPeerUcGrantDenyAnnoTx [Alu Ptp Peer Uc Grant Deny Anno Tx] (aluPtpPeerUcGrantDenyAnnoTx)	java. math. BigInteger	Indicates the number of times a unicast request for Announce messages was received but not granted because the requested rate was not supported.
aluPtpPeerUcGrantDenyDelayRespTx [Alu Ptp Peer Uc Grant Deny Delay Resp Tx] (aluPtpPeerUcGrantDenyDelayRespTx)	java. math. BigInteger	Indicates the number of times a unicast request for Delay Response messages was received but not granted because the requested rate was not supported.
aluPtpPeerUcGrantDenySyncTx [Alu Ptp Peer Uc Grant Deny Sync Tx] (aluPtpPeerUcGrantDenySyncTx)	java. math. BigInteger	Indicates the number of times a unicast request for Sync messages was received but not granted because the requested rate was not supported.
aluPtpPeerUcGrantSyncRejected [Alu Ptp Peer Uc Grant Sync Rejected] (aluPtpPeerUcGrantSyncRejected)	java. math. BigInteger	Indicates the number of times the a Grant indication, for Sync unicast negotiations, was rejected.
aluPtpPeerUcGrantSyncRx [Alu Ptp Peer Uc Grant Sync Rx] (aluPtpPeerUcGrantSyncRx)	java. math. BigInteger	Indicates the number of unicast sync grant packets received.
aluPtpPeerUcGrantSyncTx [Alu Ptp Peer Uc Grant Sync Tx] (aluPtpPeerUcGrantSyncTx)	java. math. BigInteger	Indicates the number of unicast sync grant packets transmitted.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcNegRejectsAnno [Alu Ptp Peer Uc Neg Rejects Anno] (aluPtpPeerUcNegRejectsAnno)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the announce message were rejected.
aluPtpPeerUcNegRejectsDelayResp [Alu Ptp Peer Uc Neg Rejects Delay Resp] (aluPtpPeerUcNegRejectsDelayResp)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Delay Response message were rejected.
aluPtpPeerUcNegRejectsSync [Alu Ptp Peer Uc Neg Rejects Sync] (aluPtpPeerUcNegRejectsSync)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the sync message were rejected.
aluPtpPeerUcReqAnnoRx [Alu Ptp Peer Uc Req Anno Rx] (aluPtpPeerUcReqAnnoRx)	java. math. BigInteger	Indicates the number of unicast announce request packets received.
aluPtpPeerUcReqAnnoRxTimeout [Alu Ptp Peer Uc Req Anno Rx Timeout] (aluPtpPeerUcReqAnnoRxTimeout)	java. math. BigInteger	Indicates the number of times the grant for unicast negotiations for the Announce message expired.
aluPtpPeerUcReqAnnoTx [Alu Ptp Peer Uc Req Anno Tx] (aluPtpPeerUcReqAnnoTx)	java. math. BigInteger	Indicates the number of unicast announce request packets transmitted.
aluPtpPeerUcReqAnnoTxTimeout [Alu Ptp Peer Uc Req Anno Tx Timeout] (aluPtpPeerUcReqAnnoTxTimeout)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Announce message failed due to a timeout.
aluPtpPeerUcReqDelayRespRx [Alu Ptp Peer Uc Req Delay Resp Rx] (aluPtpPeerUcReqDelayRespRx)	java. math. BigInteger	Indicates the number of unicast Delay Response request packets received.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerUcReqDelayRespRxTimeout [Alu Ptp Peer Uc Req Delay Resp Rx Timeout] (aluPtpPeerUcReqDelayRespRxTimeout)	java. math. BigInteger	Indicates the number of times the grant for unicast negotiations for the Delay Response message expired.
aluPtpPeerUcReqDelayRespTx [Alu Ptp Peer Uc Req Delay Resp Tx] (aluPtpPeerUcReqDelayRespTx)	java. math. BigInteger	Indicates the number of unicast Delay Response request packets transmitted.
aluPtpPeerUcReqDelayRespTxTimeout [Alu Ptp Peer Uc Req Delay Resp Tx Timeout] (aluPtpPeerUcReqDelayRespTxTimeout)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Delay Response message failed due to a timeout.
aluPtpPeerUcReqSyncRx [Alu Ptp Peer Uc Req Sync Rx] (aluPtpPeerUcReqSyncRx)	java. math. BigInteger	Indicates the number of unicast sync request packets received.
aluPtpPeerUcReqSyncRxTimeout [Alu Ptp Peer Uc Req Sync Rx Timeout] (aluPtpPeerUcReqSyncRxTimeout)	java. math. BigInteger	Indicates the number of times the grant for unicast negotiations for the Sync message expired.
aluPtpPeerUcReqSyncTx [Alu Ptp Peer Uc Req Sync Tx] (aluPtpPeerUcReqSyncTx)	java. math. BigInteger	Indicates the number of unicast sync request packets transmitted.
aluPtpPeerUcReqSyncTxTimeout [Alu Ptp Peer Uc Req Sync Tx Timeout] (aluPtpPeerUcReqSyncTxTimeout)	java. math. BigInteger	Indicates the number of times the unicast negotiations for the Sync message failed due to a timeout.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PtpClockRecoveryAlgStats</p> <p>MIB entry name: aluPtpPeerClkRecAlgEntry</p> <p>Entry description: Defines an entry in aluPtpPeerClkRecAlgTable. Entries are created and deleted by the system depending on the PTP clock configuration.</p> <p>Table description (for aluPtpPeerClkRecAlgTable): Defines the Nokia 7705 IEEE 1588 PTP recovery statistics table for retrieving statistical information relating to the frequency and time recovery algorithm that is derived from PTP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpFreqRecAcquiringCount [Alu Ptp Freq Rec Acquiring Count] (aluPtpFreqRecAcquiringCount)	long	The number of seconds the frequency recovery algorithm was in Acquiring state.
aluPtpFreqRecExcessFreqErrCnt [Alu Ptp Freq Rec Excess Freq Err Cnt] (aluPtpFreqRecExcessFreqErrCnt)	long	The number of Excessive Frequency Error events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecFreeRunCount [Alu Ptp Freq Rec Free Run Count] (aluPtpFreqRecFreeRunCount)	long	The number of seconds the frequency recovery algorithm was in Free Run state.
aluPtpFreqRecGapResetCnt [Alu Ptp Freq Rec Gap Reset Cnt] (aluPtpFreqRecGapResetCnt)	long	The number of Gap Rest events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecHoldOverCount [Alu Ptp Freq Rec Hold Over Count] (aluPtpFreqRecHoldOverCount)	long	The number of seconds the frequency recovery algorithm was in Holdover state.
aluPtpFreqRecLockedCount [Alu Ptp Freq Rec Locked Count] (aluPtpFreqRecLockedCount)	long	The number of seconds the frequency recovery algorithm was in Locked state.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpFreqRecLossResetCnt [Alu Ptp Freq Rec Loss Reset Cnt] (aluPtpFreqRecLossResetCnt)	long	The number of Packet Loss Reset events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPacketLossCnt [Alu Ptp Freq Rec Packet Loss Cnt] (aluPtpFreqRecPacketLossCnt)	long	The number of Packet Loss events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPdvStepCnt [Alu Ptp Freq Rec Pdv Step Cnt] (aluPtpFreqRecPdvStepCnt)	long	The number of PDV Step events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPhaseTrackCount [Alu Ptp Freq Rec Phase Track Count] (aluPtpFreqRecPhaseTrackCount)	long	The number of seconds the frequency recovery algorithm was in Phase Tracking state.
aluPtpFreqRecTripCnt [Alu Ptp Freq Rec Trip Cnt] (aluPtpFreqRecTripCnt)	long	The number of Trip events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecVarTooHighCnt [Alu Ptp Freq Rec Var Too High Cnt] (aluPtpFreqRecVarTooHighCnt)	long	The number of Variance Too High events that have been detected by the frequency recovery algorithm.
<p>PtpClockRecoveryShortIntvlStats MIB entry name: aluPtpPeerRecClkStatsShortIntvlEntry Entry description: An entry in the IEEE PTP 1588 peer clock recovery interval table. Table description (for aluPtpPeerRecClkStatsShortIntvlTable): The PTP Port Recovered Clock Interval Table contains various statistics collected by 1588 PTP clock recovery instance over the previous 15 minutes. The past 15 minutes are broken into 15 1 minute intervals. Each row in this table represents one such interval (identified by AluPtpPeerRecClkStatsShortIntvlEntry). Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPPeer</p>		

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerIntvlClockIndex [Alu Ptp Peer Intvl Clock Index] (aluPtpPeerIntvlClockIndex)	int	The index of the clock associated with this ptp master/peer.
aluPtpPeerIntvlIndex [Alu Ptp Peer Intvl Index] (aluPtpPeerIntvlIndex)	int	The index of the master/peer associated with this ptp port.
aluPtpPeerIntvlNumber [Alu Ptp Peer Intvl Number] (aluPtpPeerIntvlNumber)	int	A number between 1 and 15, where 1 is the most recently completed 1 minute interval and 15 is the 1 minutes interval completed 14 minutes prior to interval 1.
aluPtpPeerIntvlPhaseErrorMeanNs [Alu Ptp Peer Intvl Phase Error Mean Ns] (aluPtpPeerIntvlPhaseErrorMeanNs)	double	The mean of the phase error from the local oscillator clock in nano seconds during the interval.
aluPtpPeerIntvlPhaseErrorMeanPpb [Alu Ptp Peer Intvl Phase Error Mean Ppb] (aluPtpPeerIntvlPhaseErrorMeanPpb)	double	The mean phase error from the local oscillator clock in parts per billion during the interval.
aluPtpPeerIntvlPhaseErrorStdDevNs [Alu Ptp Peer Intvl Phase Error Std Dev Ns] (aluPtpPeerIntvlPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the interval.
aluPtpPeerIntvlPortIndex [Alu Ptp Peer Intvl Port Index] (aluPtpPeerIntvlPortIndex)	int	The index of the port associated with this ptp master/peer.
aluPtpPeerIntvlUpdateTime [Alu Ptp Peer Intvl Update Time] (aluPtpPeerIntvlUpdateTime)	long	The update time of the ACR interval statistics
aluPtpPeerIntvlValidData [Alu Ptp Peer Intvl Valid Data] (aluPtpPeerIntvlValidData)	boolean	This variable indicates if the data for this interval is valid.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PtpClockRecoveryStats</p> <p>MIB entry name: aluPtpPeerRecClkStatsEntry</p> <p>Entry description: Defines an entry in aluPtpPeerRecClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPtpPeerRecClkStatsTable): Defines the Nokia 7705 IEEE 1588 PTP clock recovery statistics table for retrieving statistical information relating to clock that is derived from the PTP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpPeerCurrent1MinFreqOffsetMeanPpb [Alu Ptp Peer Current 1 Min Freq Offset Mean Ppb] (aluPtpPeerCurrent1MinFreqOffsetMeanPpb)	double	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
aluPtpPeerCurrent1MinFreqOffsetStdDevPpb [Alu Ptp Peer Current 1 Min Freq Offset Std Dev Ppb] (aluPtpPeerCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
aluPtpPeerCurrent1MinPhaseErrorMeanNs [Alu Ptp Peer Current 1 Min Phase Error Mean Ns] (aluPtpPeerCurrent1MinPhaseErrorMeanNs)	double	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.
aluPtpPeerCurrent1MinPhaseErrorMeanPpb [Alu Ptp Peer Current 1 Min Phase Error Mean Ppb] (aluPtpPeerCurrent1MinPhaseErrorMeanPpb)	double	The mean phase error from the local oscillator clock in parts per billion during the first interval.
aluPtpPeerCurrent1MinPhaseErrorStdDevNs [Alu Ptp Peer Current 1 Min Phase Error Std Dev Ns] (aluPtpPeerCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 381 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerCurrent1MinValidData [Alu Ptp Peer Current 1 Min Valid Data] (aluPtpPeerCurrent1MinValidData)	boolean	This variable indicates if the data for the first interval is valid.
aluPtpPeerCurrent24HourFreqOffsetMeanPpb [Alu Ptp Peer Current 24 Hour Freq Offset Mean Ppb] (aluPtpPeerCurrent24HourFreqOffsetMeanPpb)	double	aluPtpPeerCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
aluPtpPeerCurrent24HourFreqOffsetStdDevPpb [Alu Ptp Peer Current 24 Hour Freq Offset Std Dev Ppb] (aluPtpPeerCurrent24HourFreqOffsetStdDevPpb)	long	aluPtpPeerCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
aluPtpPeerMaxShortIntvlMinutes [Alu Ptp Peer Max Short Intvl Minutes] (aluPtpPeerMaxShortIntvlMinutes)	long	aluPtpPeerMaxShortIntvlMinutes the maximum number of aluPtpPeerIntvlNumber.
aluPtpPeerRecLastUpdateTime [Alu Ptp Peer Rec Last Update Time] (aluPtpPeerRecLastUpdateTime)	long	The last time the PTP peer clock recovery statistics were updated
aluPtpPeerTotalMinutesIn24Hour [Alu Ptp Peer Total Minutes In 24 Hour] (aluPtpPeerTotalMinutesIn24Hour)	long	The number of minutes in aluPtpPeerCurrent24HourFreqOffsetMeanPpb and aluPtpPeerCurrent24HourFreqOffsetStdDevPpb
aluPtpPeerTotalShortIntvlMinutes [Alu Ptp Peer Total Short Intvl Minutes] (aluPtpPeerTotalShortIntvlMinutes)	long	aluPtpPeerTotalShortIntvlMinutes is the number of aluPtpPeerIntvlNumber that have valid statistics

Table 382 radioequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadioAnalogueMeasure</p> <p>MIB entry name: aluMwRadioPowerMeasuresEntry</p> <p>Entry description: An entry of the analogue measurements table. Each entry corresponds to a Radio Synchronous or Plesiochronous Physical Interface (RSPI or RPPI).</p> <p>Table description (for aluMwRadioPowerMeasuresTable): This table contains the radio analogue measurements.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface • mwa.PortTermination 		
localDiversityPowerdBm [Local Diversity Power dBm] (aluMwRadioLocalDiversityPower)	double	This object represents the local RSL power for SD (combiner) module input. It is an integer with associated measure unit expressed in decade of dBm.
localRxMainPowerdBm [Local Rx Main Power dBm] (aluMwRadioLocalRxMainPower)	double	This object represents the local received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the local main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
localTxPowerdBm [Local Tx Power dBm] (aluMwRadioLocalTxPower)	double	This object represents the local transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.
remoteDiversityPowerdBm [Remote Diversity Power dBm] (aluMwRadioRemoteDiversityPower)	double	This object represents the remote RSL power for SD (combiner) module input. It is a negative integer with associated measure unit expressed in decade of dBm.

Table 382 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteRxMainPowerdBm [Remote Rx Main Powerd Bm] (aluMwRadioRemoteRxMainPower)	double	This object represents the remote received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the remote main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
remoteTxPowerdBm [Remote Tx Powerd Bm] (aluMwRadioRemoteTxPower)	double	This object represents the remote transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.

Table 383 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceReceiveStats</p> <p>MIB entry name: vRtrRipIfStatEntry</p> <p>Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface.</p> <p>Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (vRtrRipIfStatAllRcvBadPackets)	long	vRtrRipIfStatAllRcvBadPackets is the number of RIP updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (vRtrRipIfStatV1BadRoutes)	long	vRtrRipIfStatV1BadRoutes is the number of routes, in valid RIPv1 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (vRtrRipIfStatV1RcvRequests)	long	vRtrRipIfStatV1RcvRequests is the number of RIPv1 request packets received by the RIP process.
v1RequestsIgnored [V1 Requests Ignored] (vRtrRipIfStatV1BadRequests)	long	vRtrRipIfStatV1BadRequests is the number of RIPv1 request packets received by the RIP process that were subsequently discarded for any reason.
v1Updates [V1 Updates] (vRtrRipIfStatV1RcvUpdates)	long	vRtrRipIfStatV1RcvUpdates is the number of RIPv1 response packets received by the RIP process.
v1UpdatesIgnored [V1 Updates Ignored] (vRtrRipIfStatV1BadUpdates)	long	vRtrRipIfStatV1BadUpdates is the number of RIPv1 response packets received by the RIP process which were subsequently discarded for any reason.

Table 383 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (vRtrRipIfStatAuthErrors)	long	vRtrRipIfStatAuthErrors is the number of RIPv2 packets received by the RIP process which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (vRtrRipIfStatV2BadRoutes)	long	vRtrRipIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (vRtrRipIfStatV2RcvRequests)	long	vRtrRipIfStatV2RcvRequests is the number of RIPv2 request packets received by the RIP process.
v2RequestsIgnored [V2 Requests Ignored] (vRtrRipIfStatV2BadRequests)	long	vRtrRipIfStatV2BadRequests is the number of RIPv2 request packets received by the RIP process that were subsequently discarded for any reason.
v2Updates [V2 Updates] (vRtrRipIfStatV2RcvUpdates)	long	vRtrRipIfStatV2RcvUpdates is the number of RIPv2 response packets received by the RIP process.
v2UpdatesIgnored [V2 Updates Ignored] (vRtrRipIfStatV2BadUpdates)	long	vRtrRipIfStatV2BadUpdates is the number of RIPv2 response packets received by the RIP process which were subsequently discarded for any reason.
InterfaceTransmitStats MIB entry name: vRtrRipIfStatEntry Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface. Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		

Table 383 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (vRtrRipIfStatAllSentUpdates)	long	vRtrRipIfStatAllSentUpdates is the number of all RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (vRtrRipIfStatAllTriggeredUpdates)	long	vRtrRipIfStatAllTriggeredUpdates is the number of triggered RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 384 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRXPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 384 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 385 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
DhcpRelayV6Stats MIB entry name: svclfDHCP6MsgStatEntry Entry description: Each row entry represents a collection of counters for each DHCP6 message type for an interface in a service. Entries cannot be created and deleted via SNMP SET operations. Table description (for svclfDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each interface defined in a service for which DHCP6 can be enabled. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.DhcpRelayV6Configuration • rtr.DhcpRelayV6ProxyServer 		
droppedPackets [Dropped Packets] (svclfDHCP6MsgStatsDropped)	long	The value of svclfDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped on this service interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPackets [Received Packets] (svclfdHCP6MsgStatsRcvd)	long	The value of svclfdHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received on this service interface.
transmittedPackets [Transmitted Packets] (svclfdHCP6MsgStatsSent)	long	The value of svclfdHCP6MsgStatsSent indicates the number of DHCP6 packets were sent on this service interface.
InterfaceSecurityStats MIB entry name: aluVRtrIfStatsEntry Entry description: Information about the extensions of vRtrIfStatsTable which represents the statistics per virtual router interface. Table description (for aluVRtrIfStatsTable): Information about the Nokia 7705 SAR extensions to the vRtrIfStatsTable. Supports realtime plotting Supports scheduled collection Monitored class: rtr.NetworkInterface		
aluSARVRtrIfSecBadIcmpTypeDroBytes [Alu SARVRtr If Sec Bad Icmp Type Dro Bytes] (aluVRtrIfSecBadIcmpTypeDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecBadIcmpTypeDroBytes indicates the number of discarded bytes due to unsupported ICMP type on this interface.
aluSARVRtrIfSecBadIcmpTypeDroPkts [Alu SARVRtr If Sec Bad Icmp Type Dro Pkts] (aluVRtrIfSecBadIcmpTypeDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecBadIcmpTypeDroPkts indicates the number of discarded packets due to unsupported ICMP type on this interface.
aluSARVRtrIfSecBadProtoDroBytes [Alu SARVRtr If Sec Bad Proto Dro Bytes] (aluVRtrIfSecBadProtoDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecBadProtoDroBytes indicates the number of discarded bytes due to unsupported protocol on this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfSecBadProtoDroPkts [Alu SARVRtr If Sec Bad Proto Dro Pkts] (aluVRtrIfSecBadProtoDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecBadProtoDroPkts indicates the number of discarded packets due to unsupported protocol on this interface.
aluSARVRtrIfSecBadServiceDroBytes [Alu SARVRtr If Sec Bad Service Dro Bytes] (aluVRtrIfSecBadServiceDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecBadServiceDroBytes indicates the number of discarded bytes due to unsupported service on this interface.
aluSARVRtrIfSecBadServiceDroPkts [Alu SARVRtr If Sec Bad Service Dro Pkts] (aluVRtrIfSecBadServiceDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecBadServiceDroPkts indicates the number of discarded packets due to unsupported service on this interface.
aluSARVRtrIfSecFragmentsDroBytes [Alu SARVRtr If Sec Fragments Dro Bytes] (aluVRtrIfSecFragmentsDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecNoSessionDroBytes indicates the number of discarded bytes due to fragmentation on this interface.
aluSARVRtrIfSecFragmentsDroPkts [Alu SARVRtr If Sec Fragments Dro Pkts] (aluVRtrIfSecFragmentsDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecFragmentsDroPkts indicates the number of discarded fragmented packets on this interface.
aluSARVRtrIfSecNoSessionDroBytes [Alu SARVRtr If Sec No Session Dro Bytes] (aluVRtrIfSecNoSessionDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecNoSessionDroBytes indicates the number of discarded bytes due to no existing session on this interface.
aluSARVRtrIfSecNoSessionDroPkts [Alu SARVRtr If Sec No Session Dro Pkts] (aluVRtrIfSecNoSessionDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecNoSessionDroPkts indicates the number of discarded packets due to no existing session on this interface.
aluSARVRtrIfSecRouteLoopDroBytes [Alu SARVRtr If Sec Route Loop Dro Bytes] (aluVRtrIfSecRouteLoopDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecRouteLoopDroBytes indicates the number of discarded bytes due to routing loop on this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfSecRouteLoopDroPkts [Alu SARVRtr If Sec Route Loop Dro Pkts] (aluVRtrIfSecRouteLoopDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecRouteLoopDroPkts indicates the number of discarded packets due to detection of a routing loop on this interface.
aluSARVRtrIfSecRxV4DiscardBytes [Alu SARVRtr If Sec Rx V4 Discard Bytes] (aluVRtrIfRxV4DiscardBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardBytes indicates the number of total IPv4 received bytes discarded by this interface.
aluSARVRtrIfSecRxV4DiscardPkts [Alu SARVRtr If Sec Rx V4 Discard Pkts] (aluVRtrIfRxV4DiscardPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardPkts indicates the number of total IPv4 received packets discarded by this interface.
aluVRtrIfSecOtherDroBytes [Alu VRtr If Sec Other Dro Bytes] (aluVRtrIfSecOtherDroBytes)	java. math. BigInteger	The value of aluVRtrIfSecOtherDroBytes indicates the number of discarded bytes due to other reasons on this interface.
aluVRtrIfSecOtherDroPkts [Alu VRtr If Sec Other Dro Pkts] (aluVRtrIfSecOtherDroPkts)	java. math. BigInteger	The value of aluVRtrIfSecOtherDroPkts indicates the number of discarded packets due to other reasons on this interface.
<p>NetworkInterfaceEgressStats</p> <p>MIB entry name: aluVrtrIfNetEgrStatsEntry</p> <p>Entry description: Defines an entry in aluVrtrIfNetEgrStatsTable. Entries only exist when a valid aluVrtrIfNetworkEgrQueuePol is assigned to their interface.</p> <p>Table description (for aluVrtrIfNetEgrStatsTable): Defines the Nokia 7x50 SR series network router interface egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the router interface to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: rtr.NetworkInterface</p>		

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressDropInProfOcts [Egress Drop In Prof Octs] (aluVrtrIfNetEgrDroInProfOcts)	java. math. BigInteger	aluVrtrIfNetEgrDroInProfOcts indicates the number of conforming network egress octets dropped on this interface using this queue.
egressDropInProfPkts [Egress Drop In Prof Pkts] (aluVrtrIfNetEgrDroInProfPkts)	java. math. BigInteger	aluVrtrIfNetEgrDroInProfPkts indicates the number of conforming network egress packets dropped on this interface using this queue.
egressDropOutProfOcts [Egress Drop Out Prof Octs] (aluVrtrIfNetEgrDroOutProfOcts)	java. math. BigInteger	aluVrtrIfNetEgrDroOutProfOcts indicates the number of exceeding network egress octets dropped on this interface using this queue.
egressDropOutProfPkts [Egress Drop Out Prof Pkts] (aluVrtrIfNetEgrDroOutProfPkts)	java. math. BigInteger	aluVrtrIfNetEgrDroOutProfPkts indicates the number of exceeding network egress packets dropped on this interface using this queue.
egressFwdInProfOcts [Egress Fwd In Prof Octs] (aluVrtrIfNetEgrFwdInProfOcts)	java. math. BigInteger	aluVrtrIfNetEgrFwdInProfOcts indicates the number of conforming network egress octets forwarded on this interface using this queue.
egressFwdInProfPkts [Egress Fwd In Prof Pkts] (aluVrtrIfNetEgrFwdInProfPkts)	java. math. BigInteger	aluVrtrIfNetEgrFwdInProfPkts indicates the number of conforming network egress packets forwarded on this interface using this queue.
egressFwdOutProfOcts [Egress Fwd Out Prof Octs] (aluVrtrIfNetEgrFwdOutProfOcts)	java. math. BigInteger	aluVrtrIfNetEgrFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this interface using this queue.
egressFwdOutProfPkts [Egress Fwd Out Prof Pkts] (aluVrtrIfNetEgrFwdOutProfPkts)	java. math. BigInteger	aluVrtrIfNetEgrFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this interface using this queue.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQueueIndex [Egress Queue Index] (aluVrtrIfNetEgrQueueIndex)	long	aluVrtrIfNetEgrQueueIndex serves as the tertiary index. When used in conjunction with vRtrID and vRtrIfIndex, it uniquely identifies a network egress queue for the specified interface in the managed system.
<p>NgeKeygroupStats</p> <p>MIB entry name: aluVRtrIfStatsEntry</p> <p>Entry description: Information about the extensions of vRtrIfStatsTable which represents the statistics per virtual router interface.</p> <p>Table description (for aluVRtrIfStatsTable): Information about the Nokia 7705 SAR extensions to the vRtrIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • service.L3AccessInterface • vprn.NetworkInterface 		
rxBytes [Rx Bytes] (aluVRtrIfKeygroupRxBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxBytes indicates the number of bytes successfully decrypted by the interface.
rxDropInvalidSpiBytes [Rx Drop Invalid Spi Bytes] (aluVRtrIfKeygroupRxDropInvalidSpiBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropInvalidSpiBytes indicates the number of bytes dropped before and during inbound (decryption) processing by the interface. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxDropInvalidSpiPackets [Rx Drop Invalid Spi Packets] (aluVRtrIfKeygroupRxDropInvalidSpiPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropInvalidSpiPkts indicates the number of packets dropped before and during inbound (decryption) processing by the interface. This implies that 1) the received SPI does not exist within the system 2) the received SPI is not part of the associated inbound keygroup 3) un-encrypted packet has been received on SDP with an associated inbound keygroup
rxDropOtherBytes [Rx Drop Other Bytes] (aluVRtrIfKeygroupRxDropOtherBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropOtherBytes indicates the number of bytes dropped before and during inbound (decryption) processing by the interface for unspecified reasons.
rxDropOtherPackets [Rx Drop Other Packets] (aluVRtrIfKeygroupRxDropOtherPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxDropOtherPkts indicates the number of packets dropped before and during inbound (decryption) processing by the interface for unspecified reasons.
rxPackets [Rx Packets] (aluVRtrIfKeygroupRxPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupRxPkts indicates the number of packets successfully decrypted by the interface.
txBytes [Tx Bytes] (aluVRtrIfKeygroupTxBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxBytes indicates the number of bytes successfully encrypted by the interface.
txDropBytes [Tx Drop Bytes] (aluVRtrIfKeygroupTxDropBytes)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxDropBytes indicates the number of bytes dropped before and during outbound (encryption) processing by the interface.
txDropPackets [Tx Drop Packets] (aluVRtrIfKeygroupTxDropPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPackets [Tx Packets] (aluVRtrIfKeygroupTxPkts)	java. math. BigInteger	The value of aluVRtrIfKeygroupTxPkts indicates the number of packets successfully encrypted by the interface.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
<p>SarIpInterfaceStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
rxV4Bytes [Rx V4 Bytes] (vRtrIfRxV4Bytes)	java. math. BigInteger	The value of vRtrIfRxV4Bytes indicates the number of bytes in IPv4 packets received by this interface.
rxV4Pkts [Rx V4 Pkts] (vRtrIfRxV4Pkts)	java. math. BigInteger	The value of vRtrIfRxV4Pkts indicates the number of IPv4 packets received by this interface.
rxV6Bytes [Rx V6 Bytes] (vRtrIfRxV6Bytes)	java. math. BigInteger	The value of vRtrIfRxV6Bytes indicates the number of bytes in IPv6 packets received by this interface.
rxV6BytesHigh32 [Rx V6 Bytes High 32] (vRtrIfRxV6BytesHigh32)	long	The value of vRtrIfRxV6BytesHigh32 indicates the high 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6BytesLow32 [Rx V6 Bytes Low 32] (vRtrIfRxV6BytesLow32)	long	The value of vRtrIfRxV6BytesLow32 indicates the lower 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6Pkts [Rx V6 Pkts] (vRtrIfRxV6Pkts)	java. math. BigInteger	The value of vRtrIfRxV6Pkts indicates the number of IPv6 packets received by this interface.
rxV6PktsHigh32 [Rx V6 Pkts High 32] (vRtrIfRxV6PktsHigh32)	long	The value of vRtrIfRxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfRxV6Pkts.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV6PktsLow32 [Rx V6 Pkts Low 32] (vRtrIfRxV6PktsLow32)	long	The value of vRtrIfRxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfRxV6Pkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SarIpInterfaceStatsRxExtra</p> <p>MIB entry name: aluVRtrIfStatsEntry</p> <p>Entry description: Information about the extensions of vRtrIfStatsTable which represents the statistics per virtual router interface.</p> <p>Table description (for aluVRtrIfStatsTable): Information about the Nokia 7705 SAR extensions to the vRtrIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
aluSARVRtrIfRxV4DiscardBlackHoleBytes [Alu SARVRtr If Rx V4 Discard Black Hole Bytes] (aluVRtrIfRxV4DiscardBlackHoleBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardBlackHoleBytes indicates the number of IPv4 received bytes discarded by this interface due to blackhole.
aluSARVRtrIfRxV4DiscardBlackHolePkts [Alu SARVRtr If Rx V4 Discard Black Hole Pkts] (aluVRtrIfRxV4DiscardBlackHolePkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardBlackHolePkts indicates the number of IPv4 received packets discarded by this interface due to blackhole.
aluSARVRtrIfRxV4DiscardDestMartianAddrBytes [Alu SARVRtr If Rx V4 Discard Dest Martian Addr Bytes] (aluVRtrIfRxV4DiscardDestMartianAddrBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestMartianAddrBytes indicates the number of IPv4 received bytes discarded by this interface due to martian destination address.
aluSARVRtrIfRxV4DiscardDestMartianAddrPkts [Alu SARVRtr If Rx V4 Discard Dest Martian Addr Pkts] (aluVRtrIfRxV4DiscardDestMartianAddrPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestMartianAddrPkts indicates the number of IPv4 received packets discarded by this interface due to martian destination address.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardDestUnreachBytes [Alu SARVRtr If Rx V4 Discard Dest Unreach Bytes] (aluVRtrIfRxV4DiscardDestUnreachBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestUnreachBytes indicates the number of IPv4 received bytes discarded by this interface due to destination unreachable.
aluSARVRtrIfRxV4DiscardDestUnreachPkts [Alu SARVRtr If Rx V4 Discard Dest Unreach Pkts] (aluVRtrIfRxV4DiscardDestUnreachPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDestUnreachPkts indicates the number of IPv4 received packets discarded by this interface due to destination unreachable.
aluSARVRtrIfRxV4DiscardDirectBcastBytes [Alu SARVRtr If Rx V4 Discard Direct Bcast Bytes] (aluVRtrIfRxV4DiscardDirectBcastBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDirectBcastBytes indicates the number of IPv4 received directed broadcast bytes discarded by this interface due to interface is not enabled for directed broadcast.
aluSARVRtrIfRxV4DiscardDirectBcastPkts [Alu SARVRtr If Rx V4 Discard Direct Bcast Pkts] (aluVRtrIfRxV4DiscardDirectBcastPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardDirectBcastPkts indicates the number of IPv4 received directed broadcast packets discarded by this interface due to interface is not enabled for directed broadcast.
aluSARVRtrIfRxV4DiscardFltrActionDropBytes [Alu SARVRtr If Rx V4 Discard Fltr Action Drop Bytes] (aluVRtrIfRxV4DiscardFltrActionDropBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrActionDropBytes indicates the number of IPv4 received bytes discarded by this interface due to filter action as 'drop'.
aluSARVRtrIfRxV4DiscardFltrActionDropPkts [Alu SARVRtr If Rx V4 Discard Fltr Action Drop Pkts] (aluVRtrIfRxV4DiscardFltrActionDropPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrActionDropPkts indicates the number of IPv4 received packets discarded by this interface due to filter action as 'drop'.
aluSARVRtrIfRxV4DiscardFltrNxtHopNotDirectBytes [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Not Direct Bytes] (aluVRtrIfRxV4DiscardFltrNxtHopNotDirectBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopNotDirectBytes indicates the number of IPv4 received bytes discarded by this interface due to PBR filter direct next-hop is not directly connected.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardFltrNxtHopNotDirectPkts [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Not Direct Pkts] (aluVRtrIfRxV4DiscardFltrNxtHopNotDirectPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopNotDirectPkts indicates the number of IPv4 received packets discarded by this interface due to PBR filter direct next-hop is not directly connected.
aluSARVRtrIfRxV4DiscardFltrNxtHopUnreachBytes [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Unreach Bytes] (aluVRtrIfRxV4DiscardFltrNxtHopUnreachBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopUnreachBytes indicates the number of IPv4 received bytes discarded by this interface due to PBR filter next-hop unreachable.
aluSARVRtrIfRxV4DiscardFltrNxtHopUnreachPkts [Alu SARVRtr If Rx V4 Discard Fltr Nxt Hop Unreach Pkts] (aluVRtrIfRxV4DiscardFltrNxtHopUnreachPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardFltrNxtHopUnreachPkts indicates the number of IPv4 received packets discarded by this interface due to PBR filter next-hop unreachable.
aluSARVRtrIfRxV4DiscardInvGREProtBytes [Alu SARVRtr If Rx V4 Discard Inv GREProt Bytes] (aluVRtrIfRxV4DiscardInvGREProtBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvGREProtBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid GRE protocol number for MPLS.
aluSARVRtrIfRxV4DiscardInvGREProtPkts [Alu SARVRtr If Rx V4 Discard Inv GREProt Pkts] (aluVRtrIfRxV4DiscardInvGREProtPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvGREProtPkts indicates the number of IPv4 received packets discarded by this interface due to invalid GRE protocol number for MPLS.
aluSARVRtrIfRxV4DiscardInvHdrCRCBytes [Alu SARVRtr If Rx V4 Discard Inv Hdr CRCBytes] (aluVRtrIfRxV4DiscardInvHdrCRCBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvHdrCRCBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid IP header CRC.
aluSARVRtrIfRxV4DiscardInvHdrCRCPkts [Alu SARVRtr If Rx V4 Discard Inv Hdr CRCPkts] (aluVRtrIfRxV4DiscardInvHdrCRCPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvHdrCRCPkts indicates the number of IPv4 received packets discarded by this interface due to invalid IP header CRC.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardInvLenBytes [Alu SARVRtr If Rx V4 Discard Inv Len Bytes] (aluVRtrIfRxV4DiscardInvLenBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvLenBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid length of the IP packet.
aluSARVRtrIfRxV4DiscardInvLenPkts [Alu SARVRtr If Rx V4 Discard Inv Len Pkts] (aluVRtrIfRxV4DiscardInvLenPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvLenPkts indicates the number of IPv4 received packets discarded by this interface due to invalid length of the IP packet.
aluSARVRtrIfRxV4DiscardInvMcastBytes [Alu SARVRtr If Rx V4 Discard Inv Mcast Bytes] (aluVRtrIfRxV4DiscardInvMcastBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvMcastBytes indicates the number of IPv4 received bytes discarded by this interface due to invalid multicast address.
aluSARVRtrIfRxV4DiscardInvMcastPkts [Alu SARVRtr If Rx V4 Discard Inv Mcast Pkts] (aluVRtrIfRxV4DiscardInvMcastPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardInvMcastPkts indicates the number of IPv4 received packets discarded by this interface due to invalid multicast address.
aluSARVRtrIfRxV4DiscardMtuExceededBytes [Alu SARVRtr If Rx V4 Discard Mtu Exceeded Bytes] (aluVRtrIfRxV4DiscardMtuExceededBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardMtuExceededBytes indicates the number of IPv4 received bytes discarded by this interface due to MTU exceeded.
aluSARVRtrIfRxV4DiscardMtuExceededPkts [Alu SARVRtr If Rx V4 Discard Mtu Exceeded Pkts] (aluVRtrIfRxV4DiscardMtuExceededPkts)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardMtuExceededPkts indicates the number of IPv4 received packets discarded by this interface due to MTU exceeded.
aluSARVRtrIfRxV4DiscardSrcMartianAddrBytes [Alu SARVRtr If Rx V4 Discard Src Martian Addr Bytes] (aluVRtrIfRxV4DiscardSrcMartianAddrBytes)	java. math. BigInteger	The value of aluVRtrIfRxV4DiscardSrcMartianAddrBytes indicates the number of IPv4 received bytes discarded by this interface due to martian source address.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluSARVRtrIfRxV4DiscardSrcMartianAddrPkts [Alu SARVRtr If Rx V4 Discard Src Martian Addr Pkts] (aluVRtrIfRxV4DiscardSrcMartianAddrPkts)	java. math. BigInte- ger	The value of aluVRtrIfRxV4DiscardSrcMartianAddrPkts indicates the number of IPv4 received packets discarded by this interface due to martian source address.
aluSARVRtrIfRxV4OtherDiscardsBytes [Alu SARVRtr If Rx V4 Other Discards Bytes] (aluVRtrIfRxV4OtherDiscardsBytes)	java. math. BigInte- ger	The value of aluVRtrIfRxV4OtherDiscardsBytes indicates the number of IPv4 received bytes discarded by this interface due to other reasons not specified above.
aluSARVRtrIfRxV4OtherDiscardsPkts [Alu SARVRtr If Rx V4 Other Discards Pkts] (aluVRtrIfRxV4OtherDiscardsPkts)	java. math. BigInte- ger	The value of aluVRtrIfRxV4OtherDiscardsPkts indicates the number of IPv4 received packets discarded by this interface due to other reasons not specified above.
aluSARVRtrIfRxV6DiscardMtuExceededBytes [Alu SARVRtr If Rx V6 Discard Mtu Exceeded Bytes] (aluVRtrIfRxV6DiscardMtuExceededBytes)	java. math. BigInte- ger	The value of aluVRtrIfRxV6DiscardMtuExceededBytes indicates the number of IPv6 received bytes discarded by this interface due to MTU exceeded.
aluSARVRtrIfRxV6DiscardMtuExceededPkts [Alu SARVRtr If Rx V6 Discard Mtu Exceeded Pkts] (aluVRtrIfRxV6DiscardMtuExceededPkts)	java. math. BigInte- ger	The value of aluVRtrIfRxV6DiscardMtuExceededPkts indicates the number of IPv6 received packets discarded by this interface due to MTU exceeded.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>V6RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
v6ActiveNbrEntries [V6 Active Nbr Entries] (vRtrV6StatActiveNbrEntries)	long	vRtrV6StatActiveNbrEntries indicates the number of active V6 neighbor discovery entries for the specified virtual router in the system.
v6AggregateActiveRoutes [V6 Aggregate Active Routes] (vRtrV6AggregateActiveRoutes)	long	vRtrV6AggregateActiveRoutes indicates the current number of active v6 aggregate routes for this instance of the route table.
v6AggregateRoutes [V6 Aggregate Routes] (vRtrV6AggregateRoutes)	long	vRtrV6AggregateRoutes indicates the current number of v6 aggregate routes for this instance of the route table.
v6BgpActiveRoutes [V6 Bgp Active Routes] (vRtrV6BGPActiveRoutes)	long	vRtrV6BGPActiveRoutes indicates the current number of v6 active bgp routes for this instance of the route table.
v6BgpRoutes [V6 Bgp Routes] (vRtrV6BGPRoutes)	long	vRtrV6BGPRoutes indicates the current number of v6 bgp routes for this instance of the route table.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6BgpVpnActiveRoutes [V6 Bgp Vpn Active Routes] (vRtrV6StatBGPVpnActiveRoutes)	long	vRtrV6StatBGPVpnActiveRoutes indicates the current number of active VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6BgpVpnRoutes [V6 Bgp Vpn Routes] (vRtrV6StatBGPVpnRoutes)	long	vRtrV6StatBGPVpnRoutes indicates the current number of VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6Dhcpv6NaActiveRoutes [V6 Dhcpv 6 Na Active Routes] (vRtrV6Dhcpv6NaActiveRoutes)	long	The value of vRtrV6Dhcpv6NaActiveRoutes indicates the current number of active IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6NaRoutes [V6 Dhcpv 6 Na Routes] (vRtrV6Dhcpv6NaRoutes)	long	The value of vRtrV6Dhcpv6NaRoutes indicates the current number of IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6PdActiveRoutes [V6 Dhcpv 6 Pd Active Routes] (vRtrV6Dhcpv6PdActiveRoutes)	long	The value of vRtrV6Dhcpv6PdActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6PdExclActiveRoutes [V6 Dhcpv 6 Pd Excl Active Routes] (vRtrV6Dhcpv6PdExclActiveRoutes)	long	The value of vRtrV6Dhcpv6PdExclActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdExclRoutes [V6 Dhcpv 6 Pd Excl Routes] (vRtrV6Dhcpv6PdExclRoutes)	long	The value of vRtrV6Dhcpv6PdExclRoutes indicates the current number of IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdRoutes [V6 Dhcpv 6 Pd Routes] (vRtrV6Dhcpv6PdRoutes)	long	The value of vRtrV6Dhcpv6PdRoutes indicates the current number of IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6TaActiveRoutes [V6 Dhcpv 6 Ta Active Routes] (vRtrV6Dhcpv6TaActiveRoutes)	long	The value of vRtrV6Dhcpv6TaActiveRoutes indicates the current number of active IPv6 DHCPv6 temporary address routes for this instance of the route table.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6Dhcpv6TaRoutes [V6 Dhcpv 6 Ta Routes] (vRtrV6Dhcpv6TaRoutes)	long	The value of vRtrV6Dhcpv6TaRoutes indicates the current number of IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6DirectActiveRoutes [V6 Direct Active Routes] (vRtrV6DirectActiveRoutes)	long	vRtrV6DirectActiveRoutes indicates the current number of v6 active direct routes for this instance of the route table.
v6DirectRoutes [V6 Direct Routes] (vRtrV6DirectRoutes)	long	vRtrV6DirectRoutes indicates the current number of v6 direct routes for this instance of the route table.
v6HostActiveRoutes [V6 Host Active Routes] (vRtrV6HostActiveRoutes)	long	The value of vRtrV6HostActiveRoutes indicates the current number of v6 active direct routes with prefix value 128 for this instance of the route table.
v6HostRoutes [V6 Host Routes] (vRtrV6HostRoutes)	long	The value of vRtrV6HostRoutes indicates the current number of v6 direct routes with prefix value 128 for this instance of the route table.
v6IsisActiveRoutes [V6 Isis Active Routes] (vRtrV6ISISActiveRoutes)	long	vRtrV6ISISActiveRoutes indicates the current number of v6 active isis routes for this instance of the route table.
v6IsisRoutes [V6 Isis Routes] (vRtrV6ISISRoutes)	long	vRtrV6ISISRoutes indicates the current number of v6 isis routes for this instance of the route table.
v6LdpActiveTunnels [V6 Ldp Active Tunnels] (vRtrV6StatActiveLdpTunnels)	long	vRtrV6StatActiveLdpTunnels indicates the current number of v6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.
v6LdpTunnels [V6 Ldp Tunnels] (vRtrV6StatTotalLdpTunnels)	long	vRtrV6StatTotalLdpTunnels indicates the current number of both active and inactive v6 LDP tunnels.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ManagedActiveRoutes [V6 Managed Active Routes] (vRtrV6ManagedActiveRoutes)	long	The value of vRtrV6ManagedActiveRoutes indicates the total number of active IPv6 managed routes for the specified virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrV6ManagedRoutes)	long	The value of vRtrV6ManagedRoutes indicates the total number of active and inactive IPv6 managed routes for the specified virtual router.
v6MulticastRoutes [V6 Multicast Routes] (vRtrV6MulticastRoutes)	long	vRtrV6MulticastRoutes indicates the current number of v6 rows in the vRtrPimNgGrpSrcTable.
v6NatActiveRoutes [V6 Nat Active Routes] (vRtrV6NatActiveRoutes)	long	The value of vRtrV6NatActiveRoutes indicates the current number of IPv6 active NAT routes for this instance of the route table.
v6NatRoutes [V6 Nat Routes] (vRtrV6NatRoutes)	long	The value of vRtrV6NatRoutes indicates the current number of IPv6 NAT routes for this instance of the route table.
v6OspfActiveRoutes [V6 Ospf Active Routes] (vRtrV6OSPFActiveRoutes)	long	vRtrV6OSPFActiveRoutes indicates the current number of v6 active ospf routes for this instance of the route table.
v6OspfRoutes [V6 Ospf Routes] (vRtrV6OSPFRoutes)	long	vRtrV6OSPFRoutes indicates the current number of v6 ospf routes for this instance of the route table.
v6PerActiveRoutes [V6 Per Active Routes] (vRtrV6PeriodicActiveRoutes)	long	The value of vRtrV6PeriodicActiveRoutes indicates the current number of active IPv6 periodic routes for this instance of the route table.
v6PerRoutes [V6 Per Routes] (vRtrV6PeriodicRoutes)	long	The value of vRtrV6PeriodicRoutes indicates the current number of IPv6 periodic routes for this instance of the route table.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RipActiveRoutes [V6 Rip Active Routes] (vRtrV6RIPActiveRoutes)	long	vRtrV6RIPActiveRoutes indicates the current number of active v6 rip routes for this instance of the route table.
v6RipRoutes [V6 Rip Routes] (vRtrV6RIPRoutes)	long	vRtrV6RIPRoutes indicates the current number of v6 rip routes for this instance of the route table.
v6RouterInterfacesActive [V6 Router Interfaces Active] (vRtrV6StatActiveIfs)	long	vRtrV6StatActiveIfs indicates the current number of v6 router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
v6RouterInterfacesConfigured [V6 Router Interfaces Configured] (vRtrV6StatConfiguredIfs)	long	vRtrV6StatConfiguredIfs indicates the current number of v6 router interfaces configured on this virtual router.
v6RoutesInVrf [V6 Routes In Vrf] (vRtrV6StatCurrNumRoutes)	long	vRtrV6StatCurrNumRoutes indicates the current number of v6 routes in the VRF for this virtual router.
v6SdpActiveTunnels [V6 Sdp Active Tunnels] (vRtrV6StatActiveSdpTunnels)	long	vRtrV6StatActiveSdpTunnels indicates the current number of v6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
v6SdpTunnels [V6 Sdp Tunnels] (vRtrV6StatTotalSdpTunnels)	long	vRtrV6StatTotalSdpTunnels indicates the current number of both active and inactive v6 SDP tunnels.
v6StaticActiveRoutes [V6 Static Active Routes] (vRtrV6StaticActiveRoutes)	long	vRtrV6StaticActiveRoutes indicates the current number of v6 active static routes for this instance of the route table.
v6StaticRoutes [V6 Static Routes] (vRtrV6StaticRoutes)	long	vRtrV6StaticRoutes indicates the current number of v6 static routes for this instance of the route table.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6SubMgmtActiveRoutes [V6 Sub Mgmt Active Routes] (vRtrV6SubMgmtActiveRoutes)	long	vRtrV6SubMgmtActiveRoutes indicates the current number of v6 active subscriber management routes for this instance of the route table.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrV6SubMgmtRoutes)	long	vRtrV6SubMgmtRoutes indicates the current number of v6 subscriber management routes for this instance of the route table.
v6TotalNbrEntries [V6 Total Nbr Entries] (vRtrV6StatTotalNbrEntries)	long	vRtrV6StatTotalNbrEntries indicates the total number of active and inactive v6 neighbor discovery entries for the specified virtual router in the system.
v6VpnLeakActiveRoutes [V6 Vpn Leak Active Routes] (vRtrV6VPNLeakActiveRoutes)	long	vRtrV6VPNLeakActiveRoutes indicates the current number of v6 active VPN Leak routes for this instance of the route table.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrV6VPNLeakRoutes)	long	vRtrV6VPNLeakRoutes indicates the current number of v6 VPN Leak routes for this instance of the route table.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIfIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inEchoReplies [In Echo Replies] (vRtrIflcmp6InEchoReplies)	long	The value of vRtrIflcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIflcmp6InEchos)	long	The value of vRtrIflcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIflcmp6InErrors)	long	The value of vRtrIflcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIflcmp6InNbrAdvertisements)	long	The value of vRtrIflcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIflcmp6OutGrpMembReductions)	long	The value of vRtrIflcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIflcmp6OutGrpMembResponses)	long	The value of vRtrIflcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIflcmp6OutNbrAdvertisements)	long	The value of vRtrIflcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIflcmp6OutNbrSolicits)	long	The value of vRtrIflcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.
outTotalMessages [Out Total Messages] (vRtrIflcmp6OutMsgs)	long	The value of vRtrIflcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.

Table 385 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 386 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.

Table 386 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.

Table 386 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats MIB entry name: tmnxTwampSrvConnStatsEntry Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established. Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server. Supports realtime plotting Supports scheduled collection Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 386 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 386 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.

Table 386 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		

Table 386 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 387 securitypolicy statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicerGroupStats</p> <p>MIB entry name: aluSecPolicerGrpOperEntry</p> <p>Entry description: Each row entry represents a particular security app group.</p> <p>Table description (for aluSecPolicerGrpOperTable): The aluSecPolicerGrpOperTable has an entry for each security policer group configured globally on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: securitypolicy.PolicerGroup</p>		
policerFwdBytesPassed [Policer Fwd Bytes Passed] (aluSecPolicerGrpOperFwdBytesPassed)	java. math. BigInteger	Bytes passed thru policer in session forward direction.
policerFwdPktsDrop [Policer Fwd Pkts Drop] (aluSecPolicerGrpOperFwdPktsDrop)	java. math. BigInteger	Pkts dropped by policer in session forward direction.
policerFwdPktsPassed [Policer Fwd Pkts Passed] (aluSecPolicerGrpOperFwdPktsPassed)	java. math. BigInteger	Pkts passed thru policer in session forward direction.
policerGrpId [Policer Grp Id] (aluSecPolicerGrpOperId)	long	The value of the object aluSecPolicerGrpOperId specifies the unique policer group id.
policerGrpOperDescription [Policer Grp Oper Description] (aluSecPolicerGrpOperDescription)	String	Description of this security policer group.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
policerGrpOperName [Policer Grp Oper Name] (aluSecPolicerGrpOperName)	String	Name of the security policer group.
policerGrpRate [Policer Grp Rate] (aluSecPolicerGrpOperRate)	int	The aluSecPolicerGrpOperRate object specifies the maximum ingress bandwidth (in mega-bits per second) that the policer can receive. A value of -1 means that no policing will be performed.
policerGrpRateCbs [Policer Grp Rate Cbs] (aluSecPolicerGrpOperRateCbs)	long	aluSecPolicerGrpOperRateCbs specifies the committed burst size that hard policer can accept while complying to the ingress rate aluSecPolicerGrpOperRate.
policerRevBytesPassed [Policer Rev Bytes Passed] (aluSecPolicerGrpOperRevBytesPassed)	java. math. BigInteger	Bytes passed thru policer in session reverse direction.
policerRevPktsDrop [Policer Rev Pkts Drop] (aluSecPolicerGrpOperRevPktsDrop)	java. math. BigInteger	Pkts dropped by policer in session reverse direction.
policerRevPktsPassed [Policer Rev Pkts Passed] (aluSecPolicerGrpOperRevPktsPassed)	java. math. BigInteger	Pkts passed thru policer in session reverse direction.
policyRefCount [Policy Ref Count] (aluSecPolicerGrpOperPlcyRefCount)	int	Number of policy references.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SecuritySessionStats MIB entry name: aluSecSessionStatsEntry Entry description: Each row entry represents an active session. Table description (for aluSecSessionStatsTable): The aluSecSessionStatsTable has an entry for each active session. Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
fwdBytesPassed [Fwd Bytes Passed] (aluSecSessionFwdBytesPassed)	java. math. BigInteger	Bytes passed thru session in forward direction.
fwdDropActionPkts [Fwd Drop Action Pkts] (aluSecSessionFwdDropActionPkts)	java. math. BigInteger	Packets/Fragments dropped due to session action being drop.
fwdDropIpOptPkts [Fwd Drop Ip Opt Pkts] (aluSecSessionFwdDropIpOptPkts)	java. math. BigInteger	Packets dropped due to containing prohibited IP Options for this session.
fwdDropMaxIcmpErr [Fwd Drop Max Icmp Err] (aluSecSessionFwdDropMaxIcmpErr)	java. math. BigInteger	ICMP Error Packets dropped due to exceeding the maximum number of errors permitted for this session.
fwdDropMaxPkts [Fwd Drop Max Pkts] (aluSecSessionFwdDropMaxPkts)	java. math. BigInteger	Packets dropped due to exceeding the maximum number of packets permitted for this session.
fwdPktsPassed [Fwd Pkts Passed] (aluSecSessionFwdPktsPassed)	java. math. BigInteger	Pkts passed thru session in forward direction.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPolicerDrop [Fwd Policer Drop] (aluSecSessionFwdPolicerDrop)	java. math. BigInteger	Packets dropped due to rate exceeded in policer.
fwdSecDrop [Fwd Sec Drop] (aluSecSessionFwdSecurityDrop)	java. math. BigInteger	Packets dropped due to applications inseptions.
inboundZoneId [Inbound Zone Id] (aluSecSessionInboundZoneId)	long	The value of aluSecSessionInboundZoneId specifies the zone this session is entering.
outboundZoneId [Outbound Zone Id] (aluSecSessionOutboundZoneId)	long	The value of aluSecSessionOutboundZoneId specifies the zone this session is leaving.
revBytesPassed [Rev Bytes Passed] (aluSecSessionRevBytesPassed)	java. math. BigInteger	Bytes passed thru session in reverse direction.
revDropActionPkts [Rev Drop Action Pkts] (aluSecSessionRevDropActionPkts)	java. math. BigInteger	Packets/Fragments dropped due to session action being drop.
revDropIpOptPkts [Rev Drop Ip Opt Pkts] (aluSecSessionRevDropIpOptPkts)	java. math. BigInteger	Packets dropped due to containing prohibited IP Options for this session.
revDropMaxIcmpErr [Rev Drop Max Icmp Err] (aluSecSessionRevDropMaxIcmpErr)	java. math. BigInteger	ICMP Error Packets dropped due to exceeding the maximum number of errors permitted for this session.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
revDropMaxPkts [Rev Drop Max Pkts] (aluSecSessionRevDropMaxPkts)	java. math. BigInteger	Packets dropped due to exceeding the maximum number of packets permitted for this session.
revPktsPassed [Rev Pkts Passed] (aluSecSessionRevPktsPassed)	java. math. BigInteger	Pkts passed thru session in reverse direction.
revPolicerDrop [Rev Policer Drop] (aluSecSessionRevPolicerDrop)	java. math. BigInteger	Packets dropped due to rate exceeded in policer.
revSecDrop [Rev Sec Drop] (aluSecSessionRevSecurityDrop)	java. math. BigInteger	Packets dropped due to applications inspections.
sessionId [Session Id] (aluSecSessionId)	long	The value of aluSecSessionId specifies the session index for this active session.
<p>ZonePolicyStats MIB entry name: aluZonePlcyOperEntry Entry description: Each row entry represents a particular zone entry. Table description (for aluZonePlcyOperTable): The aluZonePlcyOperTable describes the active policy of this zone. This table is a flattened ordered list of rules for this zone based on the security policies that have been activated. Supports realtime plotting Supports scheduled collection Monitored class: securitypolicy.Zone</p>		
isActive [Is Active] (aluZonePlcyOperActive)	boolean	The value of the object aluZonePlcyOperActive indicates whether this rule is active for rule parsing in the zone policy.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ruleActiveSessions [Rule Active Sessions] (aluZonePlcyOperRuleActiveSessions)	java. math. BigInteger	The value of aluZonePlcyOperRuleActiveSessions specifies the number of currently active sessions this rule has outstanding.
ruleHitCount [Rule Hit Count] (aluZonePlcyOperRuleHitCount)	java. math. BigInteger	The value of aluZonePlcyOperRuleHitCount specifies the number of times this rule has been matched.
ruleId [Rule Id] (aluZonePlcyOperRuleId)	long	The value of the object aluZonePlcyOperRuleId rule id of each operational rule in the Zone. The rule id is assigned by the system based on the security policies that have been activated on this zone.
zoneId [Zone Id] (aluZoneOperId)	long	The value of the object aluZoneOperId specifies the unique id of the Zone in the system.
<p>ZoneQueueStats MIB entry name: aluSecZoneStatsEntry Entry description: Each row entry represents stats for a security zone. Table description (for aluSecZoneStatsTable): The aluSecZoneStatsTable has an entry for each security zone Supports realtime plotting Supports scheduled collection Monitored class: securitypolicy.Zone</p>		
rxCtrlQueueAutoBind [Rx Ctrl Queue Auto Bind] (aluSecZoneRxCtrlQueueAutoBind)	boolean	All Auto-Bind zones share a single Rx Control Queue. This object indicates whether this zone row is displaying the aggregates stats for all Auto-Bind Zones
rxCtrlQueueDropBytes [Rx Ctrl Queue Drop Bytes] (aluSecZoneRxCtrlQueueDroBytes)	java. math. BigInteger	Bytes dropped from the Receiving Security Control Queue

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCtrlQueueDropPkts [Rx Ctrl Queue Drop Pkts] (aluSecZoneRxCtrlQueueDroPkts)	java. math. BigInteger	Pkts dropped from the Receiving Security Control Queue
rxCtrlQueueFwdBytes [Rx Ctrl Queue Fwd Bytes] (aluSecZoneRxCtrlQueueFwdBytes)	java. math. BigInteger	Bytes forwarded from the Receiving Security Control Queue to security engine for further inspection
rxCtrlQueueFwdPkts [Rx Ctrl Queue Fwd Pkts] (aluSecZoneRxCtrlQueueFwdPkts)	java. math. BigInteger	Pkts forwarded from the Receiving Security Control Queue to security engine for further inspection
zoneld [Zone Id] (aluSecZoneld)	long	The value of aluSecZoneld specifies the security zone index for this row entry.
<p>ZoneStats MIB entry name: aluZoneOperEntry Entry description: Each row entry represents a particular zone. Table description (for aluZoneOperTable): The aluZoneOperTable has an entry for each zone configured on this system. Supports realtime plotting Supports scheduled collection Monitored class: securitypolicy.Zone</p>		
byPassZoneConfig [By Pass Zone Config] (aluZoneOperBypass)	boolean	The value of aluZoneOperBypass specifies whether this zone is being bypassed.
inActiveSessions [In Active Sessions] (aluZoneOperInActiveSessions)	java. math. BigInteger	The value of the object aluZoneOperInActiveSessions indicates the number of currently active inbound sessions for this zone.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBytesDefAction [In Bytes Def Action] (aluZoneOperInBytesDefAction)	java. math. BigInteger	The number of inbound bytes that the default action was applied.
inBytesDropped [In Bytes Dropped] (aluZoneOperInBytesDropped)	java. math. BigInteger	The number of inbound bytes dropped due to policy.
inDropAction [In Drop Action] (aluZoneOperInDropAction)	java. math. BigInteger	The accumulated number of inbound sessions with drop action.
inFwdAction [In Fwd Action] (aluZoneOperInFwdAction)	java. math. BigInteger	The accumulated number of inbound sessions with forward action.
inIcmpActiveSessions [In Icmp Active Sessions] (aluZoneOperInIcmpActSessions)	java. math. BigInteger	The value of the object aluZoneOperInIcmpActSessions indicates the number of active sessions with protocol ICMP.
inIcmpSessionLimit [In Icmp Session Limit] (aluZoneOperInIcmpSessLimit)	long	The value of the object aluZoneOperInIcmpSessLimit indicates the number of permitted active in sessions with protocol ICMP.
inNatAction [In Nat Action] (aluZoneOperInNatAction)	java. math. BigInteger	The accumulated number of inbound sessions with NAT action.
inOtherActiveSessions [In Other Active Sessions] (aluZoneOperInOthActSessions)	java. math. BigInteger	The value of the object aluZoneOperInOthActiveSessions indicates the number of active sessions of all other protocols.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOtherSessionLimit [In Other Session Limit] (aluZoneOperInOthSessLimit)	long	The value of the object aluZoneOperInOthSessLimit indicates the number of permitted active in sessions of all other protocols.
inPktsDefAction [In Pkts Def Action] (aluZoneOperInPktsDefAction)	java. math. BigInteger	The number of inbound packets that the default action was applied.
inPktsDropped [In Pkts Dropped] (aluZoneOperInPktsDropped)	java. math. BigInteger	The number of inbound packets dropped due to policy.
inSessionCount [In Session Count] (aluZoneOperInSessionCount)	java. math. BigInteger	The value of the object aluZoneOperInSessionCount indicates the total number of inbound sessions ever established for this zone.
inTcpActiveSessions [In Tcp Active Sessions] (aluZoneOperInTcpActSessions)	java. math. BigInteger	The value of the object aluZoneInOperTcpActSessions indicates the number of active sessions with protocol TCP.
inTcpSessionLimit [In Tcp Session Limit] (aluZoneOperInTcpSessLimit)	long	The value of the object aluZoneOperInTcpSessLimit indicates the number of permitted active in sessions with protocol TCP.
inUdpActiveSessions [In Udp Active Sessions] (aluZoneOperInUdpActSessions)	java. math. BigInteger	The value of the object aluZoneInOperUdpActSessions indicates the number of active sessions with protocol UDP.
inUdpSessionLimit [In Udp Session Limit] (aluZoneOperInUdpSessLimit)	long	The value of the object aluZoneOperInUdpSessLimit indicates the number of permitted active in sessions with protocol UDP.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outActiveSessions [Out Active Sessions] (aluZoneOperOutActiveSessions)	java. math. BigInteger	The value of the object aluZoneOperOutActiveSessions indicates the number of currently active outbound sessions for this zone.
outBytesDefAction [Out Bytes Def Action] (aluZoneOperOutBytesDefAction)	java. math. BigInteger	The number of outbound bytes that the default action was applied.
outBytesDropped [Out Bytes Dropped] (aluZoneOperOutBytesDropped)	java. math. BigInteger	The number of outbound bytes dropped due to policy.
outDropAction [Out Drop Action] (aluZoneOperOutDropAction)	java. math. BigInteger	The accumulated number of outbound sessions with drop action.
outFwdAction [Out Fwd Action] (aluZoneOperOutFwdAction)	java. math. BigInteger	The accumulated number of outbound sessions with forward action.
outIcmpActiveSessions [Out Icmp Active Sessions] (aluZoneOperOutIcmpActSessions)	java. math. BigInteger	The value of the object aluZoneOperOutIcmpActSessions indicates the number of active sessions with protocol ICMP.
outIcmpSessionLimit [Out Icmp Session Limit] (aluZoneOperOutIcmpSessLimit)	long	The value of the object aluZoneOperInIcmpSessLimit indicates the number of permitted active out sessions with protocol ICMP.
outNatAction [Out Nat Action] (aluZoneOperOutNatAction)	java. math. BigInteger	The accumulated number of outbound sessions with NAT action.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOtherActiveSessions [Out Other Active Sessions] (aluZoneOperOutOthActSessions)	java. math. BigInteger	The value of the object aluZoneOperOutOthActSessions indicates the number of active sessions of all other protocols.
outOtherSessionLimit [Out Other Session Limit] (aluZoneOperOutOthSessLimit)	long	The value of the object aluZoneOperInOthSessLimit indicates the number of permitted active out sessions of all other protocols.
outPktsDefAction [Out Pkts Def Action] (aluZoneOperOutPktsDefAction)	java. math. BigInteger	The number of outbound packets that the default action was applied.
outPktsDropped [Out Pkts Dropped] (aluZoneOperOutPktsDropped)	java. math. BigInteger	The number of outbound packets dropped due to policy.
outSessionCount [Out Session Count] (aluZoneOperOutSessionCount)	java. math. BigInteger	The value of the object aluZoneOperOutSessionCount indicates the total number of outbound sessions ever established for this zone.
outTcpActiveSessions [Out Tcp Active Sessions] (aluZoneOperOutTcpActSessions)	java. math. BigInteger	The value of the object aluZoneOperOutTcpActSessions indicates the number of active sessions with protocol TCP.
outTcpSessionLimit [Out Tcp Session Limit] (aluZoneOperOutTcpSessLimit)	long	The value of the object aluZoneOperInTcpSessLimit indicates the number of permitted active outsessions with protocol TCP.
outUdpActiveSessions [Out Udp Active Sessions] (aluZoneOperOutUdpActSessions)	java. math. BigInteger	The value of the object aluZoneOperUdpActSessions indicates the number of active sessions with protocol UDP.

Table 387 securitypolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outUdpSessionLimit [Out Udp Session Limit] (aluZoneOperOutUdpSessLimit)	long	The value of the object aluZoneOperInUdpSessLimit indicates the number of permitted active out sessions with protocol UDP.
zoneId [Zone Id] (aluZoneOperId)	long	The value of the object aluZoneOperId specifies the unique id of the Zone in the system.
zoneName [Zone Name] (aluZoneOperName)	String	The value of the object aluZoneOperName specifies the name of the Zone in the system.
zonePlcyLastCommit [Zone Plcy Last Commit] (aluZoneOperPlcyLastCommit)	long	The last time a commit was performed on this zone.
zonePlcyRuleCount [Zone Plcy Rule Count] (aluZoneOperPlcyRuleCount)	int	The value of aluZoneOperPlcyRuleCount indicates the number of rules that this policy contains based on the security policies activated on this zone.
zoneSvcId [Zone Svc Id] (aluZoneOperSvcId)	int	Specifies the service this zone belongs to when zone type is 'service'.

Table 388 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>SapBaseStats MIB entry name: sapBaseStatsEntry Entry description: Basic statistics about a specific SAP. Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInte- ger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchip- DroppedPackets)	java. math. BigInte- ger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOf- feredHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOf- feredHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOf- feredLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOf- feredLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn- ProfOctets)	java. math. BigInte- ger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn- ProfPackets)	java. math. BigInte- ger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.
<p>SapIngQosQueueStats MIB entry name: sapIngQosQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.
<p>Y1564TestHeadBiDirStats MIB entry name: tmnxTestHdSessEntry Entry description: Information about a particular testhead session. Entries are read-only for the user. Table description (for tmnxTestHdSessTable): This table maintains the information of test sessions. Supports realtime plotting Supports scheduled collection Monitored class: service.Y1564TestHeadBiDirectional</p>		

Table 388 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLatency [Max Latency] (tmnxTestHdSessMaxLatency)	java. math. BigInteger	The Latency measured maximum for this test
measuredJitter [Measured Jitter] (tmnxTestHdSessMeasuredJitter)	long	The Jitter measured for this test
measuredLatency [Measured Latency] (tmnxTestHdSessMeasuredLatency)	java. math. BigInteger	The Latency measured for this test
minLatency [Min Latency] (tmnxTestHdSessMinLatency)	java. math. BigInteger	The Latency measured minimum for this test
packetsReceivedCount [Packets Received Count] (tmnxTestHdSessRecvCount)	java. math. BigInteger	The total number of packets received
packetsTransferredCount [Packets Transferred Count] (tmnxTestHdSessTransCount)	java. math. BigInteger	The total number of packets injected

Table 389 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmIPv6FilterStats</p> <p>MIB entry name: tCpmIPv6FilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created.</p> <p>Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.
<p>CpmIPFilterStats</p> <p>MIB entry name: tCpmIPFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPFilterEntry indexed by the same tCpmIPFilterEntryId. Entries are created when tCpmIPFilterEntry rows are created.</p> <p>Table description (for tCpmIPFilterStatsTable): The tCpmIPFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPFilterEntry</p>		

Table 389 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey</p>		

Table 389 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.

Table 390 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetFarEndLineCurrentStats MIB entry name: sonetFarEndLineCurrentEntry Entry description: An entry in the SONET/SDH Far End Line Current table. Table description (for sonetFarEndLineCurrentTable): The SONET/SDH Far End Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetFarEndLineCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndLineCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineCurrentSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineIntervalStats MIB entry name: sonetFarEndLineIntervalEntry Entry description: An entry in the SONET/SDH Far End Line Interval table. Table description (for sonetFarEndLineIntervalTable): The SONET/SDH Far End Line Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndLineIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineIntervalSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathCurrentStats</p> <p>MIB entry name: sonetFarEndPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Current table.</p> <p>Table description (for sonetFarEndPathCurrentTable): The SONET/SDH Far End Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndPathCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathCurrentSEs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathIntervalStats</p> <p>MIB entry name: sonetFarEndPathIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Interval table.</p> <p>Table description (for sonetFarEndPathIntervalTable): The SONET/SDH Far End Path Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndPathIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathIntervalSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
<p>SonetFarEndVtCurrentStats MIB entry name: sonetFarEndVtCurrentEntry Entry description: An entry in the SONET/SDH Far End VT Current table. Table description (for sonetFarEndVtCurrentTable): The SONET/SDH Far End VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVtCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndVtCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVtCurrentSEsS)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVtCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndVTIntervalStats MIB entry name: sonetFarEndVTIntervalEntry Entry description: An entry in the SONET/SDH Far End VT Interval table. Table description (for sonetFarEndVTIntervalTable): The SONET/SDH Far End VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVTIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndVTIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVTIntervalSESS)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVTIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineCurrentStats MIB entry name: sonetLineCurrentEntry Entry description: An entry in the SONET/SDH Line Current table. Table description (for sonetLineCurrentTable): The SONET/SDH Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval.
currentStatus [Current Status] (sonetLineCurrentStatus)	long	This variable indicates the status of the interface. The sonetLineCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetLineNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetLineNoDefect 2 sonetLineAIS 4 sonetLineRDI
erroredSeconds [Errored Seconds] (sonetLineCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineCurrentSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetLineCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetLineIntervalStats MIB entry name: sonetLineIntervalEntry Entry description: An entry in the SONET/SDH Line Interval table. Table description (for sonetLineIntervalTable): The SONET/SDH Line Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetLineIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetLineIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetLineIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetPathCurrentStats</p> <p>MIB entry name: sonetPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Path Current table.</p> <p>Table description (for sonetPathCurrentTable): The SONET/SDH Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval.
currentStatus [Current Status] (sonetPathCurrentStatus)	long	This variable indicates the status of the interface. The sonetPathCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetPathNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetPathNoDefect 2 sonetPathSTSLOP 4 sonetPathSTSAIS 8 sonetPathSTSRDI 16 sonetPathUnequipped 32 sonetPathSignalLabelMismatch
currentWidth [Current Width] (sonetPathCurrentWidth)	int	A value that indicates the type of the SONET/SDH Path. For SONET, the assigned types are the STS-Nc SPEs, where N = 1, 3, 12, 24, 48, 192 and 768. STS-1 is equal to 51.84 Mbps. For SDH, the assigned types are the STM-Nc VCs, where N = 1, 4, 16, 64 and 256.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetPathCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetPathCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval.
<p>SonetPathIntervalStats MIB entry name: sonetPathIntervalEntry Entry description: An entry in the SONET/SDH Path Interval table. Table description (for sonetPathIntervalTable): The SONET/SDH Path Interval table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetPathIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalNumber [Interval Number] (sonetPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathIntervalSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetPathIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in a particular 15-minute interval in the past 24 hours.
<p>SonetSectionCurrentStats MIB entry name: sonetSectionCurrentEntry Entry description: An entry in the SONET/SDH Section Current table. Table description (for sonetSectionCurrentTable): The SONET/SDH Section Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetSectionCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval.
currentStatus [Current Status] (sonetSectionCurrentStatus)	long	This variable indicates the status of the interface. The sonetSectionCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetSectionNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetSectionNoDefect 2 sonetSectionLOS 4 sonetSectionLOF

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetSectionCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionCurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
SonetSectionIntervalStats MIB entry name: sonetSectionIntervalEntry Entry description: An entry in the SONET/SDH Section Interval table. Table description (for sonetSectionIntervalTable): The SONET/SDH Section Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetSectionIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetSectionIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionIntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionIntervalSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
SonetVtCurrentStats MIB entry name: sonetVtCurrentEntry Entry description: An entry in the SONET/SDH VT Current table. Table description (for sonetVtCurrentTable): The SONET/SDH VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVtCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in the current 15 minute interval.
currentStatus [Current Status] (sonetVtCurrentStatus)	long	This variable indicates the status of the interface. The sonetVtCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects and failures simultaneously. The sonetVtNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetVtNoDefect 2 sonetVtLOP 4 sonetVtPathAIS 8 sonetVtPathRDI 16 sonetVtPathRFI 32 sonetVtUnequipped 64 sonetVtSignalLabelMismatch
currentWidth [Current Width] (sonetVtCurrentWidth)	int	A value that indicates the type of the SONET VT and SDH VC. Assigned widths are VT1.5/VC11, VT2/VC12, VT3, VT6/VC2, and VT6c.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetVTCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetVTCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetVTCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in the current 15 minute interval.
<p>SonetVTIntervalStats MIB entry name: sonetVTIntervalEntry Entry description: An entry in the SONET/SDH VT Interval table. Table description (for sonetVTIntervalTable): The SONET/SDH VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetVTIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetVTIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 390 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredSeconds [Severely Errored Seconds] (sonetVTIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetVTIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in a particular 15-minute interval in the past 24 hours.

Table 391 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmPsnpgErrorStats MIB entry name: sdpBindIgmPsnpgStatsEntry Entry description: sdpBindIgmPsnpgStatsEntry is an entry in the sdpBindIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls. Table description (for sdpBindIgmPsnpgStatsTable): sdpBindIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
sdpBndIgmPsnpgImportPolicyDrops [Sdp Bnd IgmPsnpg Import Policy Drops] (sdpBndIgmPsnpgImportPolicyDrops)	long	The value of the object sdpBndIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmPsnpgMaxNumGroupsDrops [Sdp Bnd IgmPsnpg Max Num Groups Drops] (sdpBndIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumGrpSourcesDrops [Sdp Bnd Igm Psnpg Max Num Grp Sources Drops] (sdpBndIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SDP Bind.
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd Igm Psnpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd Igm Psnpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd Igm Psnpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd Igm Psnpg Rx Bad Igm P Chk Sm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd Igm Psnpg Rx Bad Ip Chk Sm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd Igm Psnpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.

Table 391 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 392 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveClockRecoveryStats</p> <p>MIB entry name: aluPortAcrClkStatsEntry</p> <p>Entry description: Defines an entry in aluPortAcrClkStatsTable. Entries are created and deleted by the system depending port configuration.</p> <p>Table description (for aluPortAcrClkStatsTable): Defines the Nokia SAR series port adaptive clock recovery (ACR) statistics table for providing, via SNMP, the capability of retrieving statistical information relating to clock that is derived from the ACR CPIPE PW.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
freqOffsetMeanPastDay [Freq Offset Mean Past Day] (aluCurrent24HourFreqOffsetMeanPpb)	long	aluCurrent24HourFreqOffsetMeanPpb indicates the mean frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetMeanPastMinute [Freq Offset Mean Past Minute] (aluCurrent1MinFreqOffsetMeanPpb)	long	The mean frequency offset from the local oscillator clock in parts per billion during the first interval.
freqOffsetStdDevPastDay [Freq Offset Std Dev Past Day] (aluCurrent24HourFreqOffsetStdDevPpb)	long	aluCurrent24HourFreqOffsetStdDevPpb indicates the standard deviation of the frequency offset from the local oscillator clock in parts per billion for up to the last 24 hour.
freqOffsetStdDevPastMinute [Freq Offset Std Dev Past Minute] (aluCurrent1MinFreqOffsetStdDevPpb)	long	The standard deviation of the frequency offset from the local oscillator clock in nano seconds during the first interval.
phaseErrorMeanPastMinuteTime [Phase Error Mean Past Minute Time] (aluCurrent1MinPhaseErrorMeanNs)	long	The mean of the phase error from the local oscillator clock in nano seconds during the first interval.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
phaseErrorStdDevPastMinute [Phase Error Std Dev Past Minute] (aluCurrent1MinPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the first interval.
<p>DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.
<p>DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLEs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSEs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUAs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3CurrentStats MIB entry name: dsx3CurrentEntry Entry description: An entry in the DS3/E3 Current table. Table description (for dsx3CurrentTable): The DS3/E3 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3CurrentCCVs)	long	The number of C-bit Coding Violations.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitErroredSeconds [CBit Errored Seconds] (dsx3CurrentCESs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3CurrentCSEs)	long	The number of C-bit Severely Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx3CurrentLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx3CurrentPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3CurrentPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3CurrentPSEs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3CurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3CurrentUASs)	long	The counter associated with the number of Unavailable Seconds.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3FarEndCurrentStats</p> <p>MIB entry name: dsx3FarEndCurrentEntry</p> <p>Entry description: An entry in the DS3 Far End Current table.</p> <p>Table description (for dsx3FarEndCurrentTable): The DS3 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end block error code within the C-bits.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndCurrentCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndCurrentCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndCurrentCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx3FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx3FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
timeElapsed [Time Elapsed] (dsx3FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndCurrentUASs)	long	The counter associated with the number of Far End unavailable seconds.
validIntervals [Valid Intervals] (dsx3FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS3FarEndIntervalStats MIB entry name: dsx3FarEndIntervalEntry Entry description: An entry in the DS3 Far End Interval table. Table description (for dsx3FarEndIntervalTable): The DS3 Far End Interval Table contains various statistics collected by each DS3 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndIntervalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndIntervalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in one of the previous 96, individual 15 minute, intervals. In the case where the agent is a proxy and data is not available, return noSuchInstance.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndIntervalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
unavailableSeconds [Unavailable Seconds] (dsx3FarEndIntervalUASs)	long	The counter associated with the number of Far End unavailable seconds.
<p>DS3FarEndTotalStats MIB entry name: dsx3FarEndTotalEntry Entry description: An entry in the DS3 Far End Total table. Table description (for dsx3FarEndTotalTable): The DS3 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndTotalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndTotalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndTotalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndTotalUASs)	long	The counter associated with the number of Far End unavailable seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>DS3IntervalStats</p> <p>MIB entry name: dsx3IntervalEntry</p> <p>Entry description: An entry in the DS3/E3 Interval table.</p> <p>Table description (for dsx3IntervalTable): The DS3/E3 Interval Table contains various statistics collected by each DS3/E3 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx3IntervalNumber) and for one specific interface (identified by dsx3IntervalIndex).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3IntervalCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3IntervalCESs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3IntervalCSESs)	long	The number of C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineCodingViolations [Line Coding Violations] (dsx3IntervalLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3IntervalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences).
pBitCodingViolations [PBit Coding Violations] (dsx3IntervalPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3IntervalPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3IntervalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3IntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3IntervalUASs)	long	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS3TotalStats MIB entry name: dsx3TotalEntry Entry description: An entry in the DS3/E3 Total table. Table description (for dsx3TotalTable): The DS3/E3 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3TotalCCVs)	long	The number of C-bit Coding Violations encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3TotalCESS)	long	The number of C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3TotalCSESS)	long	The number of C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx3TotalLCVs)	long	The counter associated with the number of Line Coding Violations encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx3TotalLESS)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences) encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx3TotalPCVs)	long	The counter associated with the number of P-bit Coding Violations, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitErroredSeconds [PBit Errored Seconds] (dsx3TotalPESs)	long	The counter associated with the number of P-bit Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3TotalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3TotalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds, encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx3TotalUASs)	long	The counter associated with the number of Unavailable Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>VoiceChanStats</p> <p>MIB entry name: aluVoiceEntry</p> <p>Entry description: Each row entry represents a Voice channel on an IOM card in a chassis in the system. Channel entries for voice ports can be created and deleted via SNMP SET operations. For each aluVoiceEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for aluVoiceTable): aluVoiceTable has an entry for each Voice channel on an IOM card in each chassis in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.VoiceChannel</p>		
answeredIncomingCallTime [Answered Incoming Call Time] (aluVoiceIncomingCallTimeAns)	long	The total duration (in seconds) of all incoming calls that were answered. This count is accumulated since the last time the statistics were cleared.

Table 392 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
answeredIncomingCalls [Answered Incoming Calls] (aluVoiceIncomingCallCountAns)	long	The number of incoming calls (received by the circuit) that were answered. This count is accumulated since the last time the statistics were cleared.
answeredOutgoingCallTime [Answered Outgoing Call Time] (aluVoiceOutgoingCallTimeAns)	long	The total duration (in seconds) of all outgoing calls that were answered. This count is accumulated since the last time the statistics were cleared.
answeredOutgoingCalls [Answered Outgoing Calls] (aluVoiceOutgoingCallCountAns)	long	The number of outgoing calls (originated by the circuit) that were answered. This count is accumulated since the last time the statistics were cleared.
idleTime [Idle Time] (aluVoiceIdleTime)	long	The time in seconds for which the circuit was idle. This count is accumulated since the last time the statistics were cleared.
incomingCallTime [Incoming Call Time] (aluVoiceIncomingCallTime)	long	The total duration (in seconds) of all incoming calls. This count is accumulated since the last time the statistics were cleared.
incomingCalls [Incoming Calls] (aluVoiceIncomingCallCount)	long	The number of incoming calls (received by the circuit). This count is accumulated since the last time the statistics were cleared.
outOfServiceTime [Out Of Service Time] (aluVoiceOutOfServiceTime)	long	The time in seconds for which the circuit was unavailable for connection. This count is accumulated since the last time the statistics were cleared.
outgoingCallTime [Outgoing Call Time] (aluVoiceOutgoingCallTime)	long	The total duration (in seconds) of all outgoing calls. This count is accumulated since the last time the statistics were cleared.
outgoingCalls [Outgoing Calls] (aluVoiceOutgoingCallCount)	long	The number of outgoing calls (originated by the circuit). This count is accumulated since the last time the statistics were cleared.

Table 393 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping</p>		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
tmnxPimSnpgIfRxBadEncodings [Tmnx Pim Snpg If Rx Bad Encodings] (tmnxPimSnpgIfRxBadEncodings)	long	The value of tmnxPimSnpgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
tmnxPimSnpgIfRxBadVersionDscrd [Tmnx Pim Snpg If Rx Bad Version Dscrd] (tmnxPimSnpgIfRxBadVersionDscrd)	long	The value of tmnxPimSnpgIfRxBadVersionDscrd indicates the number of PIM messages with bad versions received on this interface.
tmnxPimSnpgIfRxHellos [Tmnx Pim Snpg If Rx Hellos] (tmnxPimSnpgIfRxHellos)	long	The value of tmnxPimSnpgIfRxHellos indicates the number of PIM hello messages received on this interface.
tmnxPimSnpgIfRxHellosDropped [Tmnx Pim Snpg If Rx Hellos Dropped] (tmnxPimSnpgIfRxHellosDropped)	long	The value of tmnxPimSnpgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfRxJoinPruneErrs [Tmnx Pim Snpg If Rx Join Prune Errs] (tmnxPimSnpgIfRxJoinPruneErrs)	long	The value of tmnxPimSnpgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
tmnxPimSnpgIfRxJoinPrunes [Tmnx Pim Snpg If Rx Join Prunes] (tmnxPimSnpgIfRxJoinPrunes)	long	The value of tmnxPimSnpgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
tmnxPimSnpgIfRxNbrUnknown [Tmnx Pim Snpg If Rx Nbr Unknown] (tmnxPimSnpgIfRxNbrUnknown)	long	The value of tmnxPimSnpgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
tmnxPimSnpgIfRxPkts [Tmnx Pim Snpg If Rx Pkts] (tmnxPimSnpgIfRxPkts)	long	The value of tmnxPimSnpgIfRxPkts indicates the number of multicast data packets received on this interface.
tmnxPimSnpgIfSGTypes [Tmnx Pim Snpg If SGTypes] (tmnxPimSnpgIfSGTypes)	long	The value of tmnxPimSnpgIfSGTypes indicates the number of (S,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfStarGTypes [Tmnx Pim Snpg If Star GTypes] (tmnxPimSnpgIfStarGTypes)	long	The value of tmnxPimSnpgIfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfTxJoinPrunes [Tmnx Pim Snpg If Tx Join Prunes] (tmnxPimSnpgIfTxJoinPrunes)	long	The value of tmnxPimSnpgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpgIfTxPkts [Tmnx Pim Snpg If Tx Pkts] (tmnxPimSnpgIfTxPkts)	long	The value of tmnxPimSnpgIfTxPkts indicates the number of multicast data packets transmitted on this interface.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfacelgmpSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (saplgmpSnpgMaxNumGroupsDrops)	long	The value of the object saplgmpSnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpgMaxNumGrpSourcesDrops [Sap Igmp Snpg Max Num Grp Sources Drops] (saplgmpSnpgMaxNumGrpSrcsDrops)	long	The value of the object saplgmpSnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SAP.
saplgmpSnpgMaxNumSourcesDrops [Sap Igmp Snpg Max Num Sources Drops] (saplgmpSnpgMaxNumSourcesDrops)	long	The value of the object saplgmpSnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
saplgmpSnpgMcacPolicyDrops [Sap Igmp Snpg Mcac Policy Drops] (saplgmpSnpgMcacPolicyDrops)	long	The value of the object saplgmpSnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGmcsFailures [Sap Igmp SnpG Mcs Failures] (saplgmpSnpGmcsFailures)	long	The value of the object saplgmpSnpGmcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
saplgmpSnpGRxBadEncodedPkts [Sap Igmp SnpG Rx Bad Encoded Pkts] (saplgmpSnpGRxBadEncodedPkts)	long	The value of the object saplgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpGRxBadIgmpChkSmPkts [Sap Igmp SnpG Rx Bad Igmp ChkSm Pkts] (saplgmpSnpGRxBadIgmpChkSmPkts)	long	The value of the object saplgmpSnpGRxBadIgmpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpGRxBadIpChkSmPkts [Sap Igmp SnpG Rx Bad Ip ChkSm Pkts] (saplgmpSnpGRxBadIpChkSmPkts)	long	The value of the object saplgmpSnpGRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.
saplgmpSnpGRxBadLenPkts [Sap Igmp SnpG Rx Bad Len Pkts] (saplgmpSnpGRxBadLenPkts)	long	The value of the object saplgmpSnpGRxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpGRxNoRtrAlertPkts [Sap Igmp SnpG Rx No Rtr Alert Pkts] (saplgmpSnpGRxNoRtrAlertPkts)	long	The value of the object saplgmpSnpGRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpGRxWrongVersionPkts [Sap Igmp SnpG Rx Wrong Version Pkts] (saplgmpSnpGRxWrongVersionPkts)	long	The value of the object saplgmpSnpGRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpGRxZeroSrcAdrPkts [Sap Igmp SnpG Rx Zero Src Adr Pkts] (saplgmpSnpGRxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpGRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGSendQueryCfgDrops [Sap Igmp SnpG Send Query Cfg Drops] (saplgmpSnpGSendQueryCfgDrops)	long	The value of the object saplgmpSnpGSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpGCfgSendQueries for this SAP is set to 'enabled(1)'.
<p>L2AccessInterfaceIgmPStats</p> <p>MIB entry name: saplgmpSnpGStatsEntry</p> <p>Entry description: saplgmpSnpGStatsEntry is an entry in the saplgmpSnpGStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpGStatsTable): saplgmpSnpGStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpGFwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGFwdGenQueries)	long	The value of the object saplgmpSnpGFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGFwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGFwdGrpSpecQueries)	long	The value of the object saplgmpSnpGFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGFwdSrcSpecQueries [Sap Igmp SnpG Fwd Src Spec Queries] (saplgmpSnpGFwdSrcSpecQueries)	long	The value of the object saplgmpSnpGFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
saplgmpSnpGFwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGFwdUnknownType)	long	The value of the object saplgmpSnpGFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
saplgmpSnpGRxSrcSpecQueries [Sap Igmp SnpG Rx Src Spec Queries] (saplgmpSnpGRxSrcSpecQueries)	long	The value of the object saplgmpSnpGRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpGRxUnknownType [Sap Igmp SnpG Rx Unknown Type] (saplgmpSnpGRxUnknownType)	long	The value of the object saplgmpSnpGRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpGRxV1Reports [Sap Igmp SnpG Rx V1 Reports] (saplgmpSnpGRxV1Reports)	long	The value of the object saplgmpSnpGRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxV1Reports [Sap Igmp Snpgrx Tx V1 Reports] (saplgmpSnpgrxTxV1Reports)	long	The value of the object saplgmpSnpgrxTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpgrxTxV2Leaves [Sap Igmp Snpgrx Tx V2 Leaves] (saplgmpSnpgrxTxV2Leaves)	long	The value of the object saplgmpSnpgrxTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpgrxTxV2Reports [Sap Igmp Snpgrx Tx V2 Reports] (saplgmpSnpgrxTxV2Reports)	long	The value of the object saplgmpSnpgrxTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxV3Reports [Sap Igmp Snpg Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMldSnpgErrorStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a Tls. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'.
<p>L2AccessInterfaceMldSnpgStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.
L2AccessIrfDhcpRelayCfgStats MIB entry name: sapTlsDhcpStatsEntry Entry description: DHCP statistics for a TLS SAP. Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapTlsDhcpStatsClntDropdPkts [Sap Tls Dhcp Stats Clnt Dropd Pkts] (sapTlsDhcpStatsClntDropdPkts)	long	The value of the object sapTlsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsClntForwdPkts [Sap Tls Dhcp Stats Clnt Forwd Pkts] (sapTlsDhcpStatsClntForwdPkts)	long	The value of the object sapTlsDhcpStatsClntForwdPkts indicates the number of DHCP client packets that have been forwarded on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgErrorStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'. SdpBindingMldSnpgStats MIB entry name: sdpBindMldSnpgStatsEntry Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SDP Bind in a TIs. Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SdpBindingMldSnpgCfg

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.
numStarGTypes [Num Star GTypes] (tmnxPimSnpgGenStatsStarGTypes)	long	The value of tmnxPimSnpgGenStatsStarGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'starG'.

Table 393 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteSourceGroupRecordPimSnoopingStats</p> <p>MIB entry name: tmnxPimSnpGGrpSrcStatsEntry</p> <p>Entry description: An entry in the tmnxPimSnpGGrpSrcStatsTable.</p> <p>Table description (for tmnxPimSnpGGrpSrcStatsTable): tmnxPimSnpGGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpGGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpGGrpSrcStatsFwdedOct [Tmnx Pim SnpG Grp Src Stats Fwded Oct] (tmnxPimSnpGGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpGGrpSrcStatsFwdedPkts [Tmnx Pim SnpG Grp Src Stats Fwded Pkts] (tmnxPimSnpGGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.

Table 394 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 394 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
<p>InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance</p>		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 394 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

27 7710 SR performance statistics counters

27.1 Performance statistics counters

27.1.1 Counters

Table 395 aaa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadPSStats</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatsRxAcctRequest [Rad PSSStats Rx Acct Request] (tmnxRadPSStatsRxAcctRequest)	long	The value of tmnxRadPSStatsRxAcctRequest indicates the number of Accounting-Request packets received by this RADIUS Proxy Server.
radPSStatsRxAdminDown [Rad PSSStats Rx Admin Down] (tmnxRadPSStatsRxAdminDown)	long	The value of tmnxRadPSStatsRxAdminDown indicates the number of packets received by this RADIUS Proxy Server that were rejected because it is administratively shut down.
radPSStatsRxAuthRequest [Rad PSSStats Rx Auth Request] (tmnxRadPSStatsRxAuthRequest)	long	The value of tmnxRadPSStatsRxAuthRequest indicates the number of Access-Request packets received by this RADIUS Proxy Server.
radPSStatsRxDropped [Rad PSSStats Rx Dropped] (tmnxRadPSStatsRxDropped)	long	The value of tmnxRadPSStatsRxDropped indicates the number of packets received by this RADIUS Proxy Server but dropped.
radPSStatsRxDroppedByPython [Rad PSSStats Rx Dropped By Python] (tmnxRadPSStatsRxDroppedByPython)	long	The value of tmnxRadPSStatsRxDroppedByPython indicates the number of packets received by this RADIUS Proxy Server but dropped by Python.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxInvAcctAuth [Rad PSSStats Rx Inv Acct Auth] (tmnxRadPSStatsRxInvAcctAuth)	long	The value of tmnxRadPSStatsRxInvAcctAuth indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Authenticator field.
radPSStatsRxInvAcctStatusTyp [Rad PSSStats Rx Inv Acct Status Typ] (tmnxRadPSStatsRxInvAcctStatusTyp)	long	The value of tmnxRadPSStatsRxInvAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Acct-Status-Type attribute.
radPSStatsRxInvAttr [Rad PSSStats Rx Inv Attr] (tmnxRadPSStatsRxInvAttr)	long	The value of tmnxRadPSStatsRxInvAttr indicates the number of packets received by this RADIUS Proxy Server that were rejected because one of the attributes was incorrectly encoded.
radPSStatsRxInvCode [Rad PSSStats Rx Inv Code] (tmnxRadPSStatsRxInvCode)	long	The value of tmnxRadPSStatsRxInvCode indicates the number of packets received by this RADIUS Proxy Server that were rejected because they had an invalid Code field.
radPSStatsRxInvLen [Rad PSSStats Rx Inv Len] (tmnxRadPSStatsRxInvLen)	long	The value of tmnxRadPSStatsRxInvLen indicates the number of packets received by this RADIUS Proxy Server that were rejected because their length was invalid.
radPSStatsRxInvMsgAuth [Rad PSSStats Rx Inv Msg Auth] (tmnxRadPSStatsRxInvMsgAuth)	long	The value of tmnxRadPSStatsRxInvMsgAuth indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Message-Authenticator attribute.
radPSStatsRxInvPassword [Rad PSSStats Rx Inv Password] (tmnxRadPSStatsRxInvPassword)	long	The value of tmnxRadPSStatsRxInvPassword indicates the number of packets received by this RADIUS Proxy Server that were rejected because the User-Password attribute could not be decoded.
radPSStatsRxInvUserName [Rad PSSStats Rx Inv User Name] (tmnxRadPSStatsRxInvUserName)	long	The value of tmnxRadPSStatsRxInvUserName indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid User-Name attribute.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxNoAaaPol [Rad PSSStats Rx No Aaa Pol] (tmnxRadPSStatsRxNoAaaPol)	long	The value of tmnxRadPSStatsRxNoAaaPol indicates the number of packets received by this RADIUS Proxy Server that were rejected because it has no RADIUS server policy configured for that type of packet.
radPSStatsRxNoAcctStatusTyp [Rad PSSStats Rx No Acct Status Typ] (tmnxRadPSStatsRxNoAcctStatusTyp)	long	The value of tmnxRadPSStatsRxNoAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained no Acct-Status-Type attribute.
radPSStatsRxNoLoadBKey [Rad PSSStats Rx No Load BKey] (tmnxRadPSStatsRxNoLoadBKey)	long	The value of tmnxRadPSStatsRxNoLoadBKey indicates the number of packets received by this RADIUS Proxy Server that were rejected because the selected RADIUS server policy's algorithm (tmnxRadSrvPlcyAlgorithm) is set to 'hashBased' and no load balance key (tmnxRadProxSrvLoadBalanceKey) is configured.
radPSStatsRxNoMemory [Rad PSSStats Rx No Memory] (tmnxRadPSStatsRxNoMemory)	long	The value of tmnxRadPSStatsRxNoMemory indicates the number of packets that were rejected by this RADIUS server because there was not enough memory to store them.
radPSStatsRxPacket [Rad PSSStats Rx Packet] (tmnxRadPSStatsRxPacket)	long	The value of tmnxRadPSStatsRxPacket indicates the number of packets received by this RADIUS Proxy Server.
radPSStatsRxRetransmit [Rad PSSStats Rx Retransmit] (tmnxRadPSStatsRxRetransmit)	long	The value of tmnxRadPSStatsRxRetransmit indicates the number of packets received by this RADIUS Proxy Server that were rejected because they are retransmitted.
radPSStatsRxUserOverload [Rad PSSStats Rx User Overload] (tmnxRadPSStatsRxUserOverload)	long	The value of tmnxRadPSStatsRxUserOverload indicates the number of packets that were rejected by this RADIUS server because the registered user indicated to be in overload.
radPSStatsTxAcctResponse [Rad PSSStats Tx Acct Response] (tmnxRadPSStatsTxAcctResponse)	long	The value of tmnxRadPSStatsTxAcctResponse indicates the number of Accounting-Response packets transmitted by this RADIUS Proxy Server.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxAuthAck [Rad PSSStats Tx Auth Ack] (tmnxRadPSStatsTxAuthAck)	long	The value of tmnxRadPSStatsTxAuthAck indicates the number of Access-Accept packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthChallenge [Rad PSSStats Tx Auth Challenge] (tmnxRadPSStatsTxAuthChallenge)	long	The value of tmnxRadPSStatsTxAuthChallenge indicates the number of Access-Challenge packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthReject [Rad PSSStats Tx Auth Reject] (tmnxRadPSStatsTxAuthReject)	long	The value of tmnxRadPSStatsTxAuthReject indicates the number of Access-Reject packets transmitted by this RADIUS Proxy Server.
radPSStatsTxCacheAttrTooLong [Rad PSSStats Tx Cache Attr Too Long] (tmnxRadPSStatsTxCacheAttrTooLong)	long	The value of tmnxRadPSStatsTxCacheAttrTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the total length of the attributes is too long.
radPSStatsTxCacheKeyTooLong [Rad PSSStats Tx Cache Key Too Long] (tmnxRadPSStatsTxCacheKeyTooLong)	long	The value of tmnxRadPSStatsTxCacheKeyTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information present in the packet was too long.
radPSStatsTxCacheMaxEntries [Rad PSSStats Tx Cache Max Entries] (tmnxRadPSStatsTxCacheMaxEntries)	long	The value of tmnxRadPSStatsTxCacheMaxEntries indicates the number of packets that could not be cached by this RADIUS Proxy Server because the limit has been reached.
radPSStatsTxCacheNoKey [Rad PSSStats Tx Cache No Key] (tmnxRadPSStatsTxCacheNoKey)	long	The value of tmnxRadPSStatsTxCacheNoKey indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information was not present in the packet.
radPSStatsTxDropped [Rad PSSStats Tx Dropped] (tmnxRadPSStatsTxDropped)	long	The value of tmnxRadPSStatsTxDropped indicates the number of packets dropped by this RADIUS Proxy Server before transmission.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxDroppedByPython [Rad PSSStats Tx Dropped By Python] (tmnxRadPSStatsTxDroppedByPython)	long	The value of tmnxRadPSStatsTxDroppedByPython indicates the number of packets that were dropped by this RADIUS server because the packet was dropped by the Python script.
radPSStatsTxNoMemory [Rad PSSStats Tx No Memory] (tmnxRadPSStatsTxNoMemory)	long	The value of tmnxRadPSStatsTxNoMemory indicates the number of packets that could not be transmitted by this RADIUS Proxy Server because there was not enough memory.
radPSStatsTxNoRadiusServer [Rad PSSStats Tx No Radius Server] (tmnxRadPSStatsTxNoRadiusServer)	long	The value of tmnxRadPSStatsTxNoRadiusServer indicates the number of packets that were dropped by this RADIUS server because the RADIUS server policy has no servers configured.
radPSStatsTxSendFailure [Rad PSSStats Tx Send Failure] (tmnxRadPSStatsTxSendFailure)	long	The value of tmnxRadPSStatsTxSendFailure indicates the number of packets that were dropped by this RADIUS server because the packet could not get transmitted to one of the servers in the RADIUS server policy.
radPSStatsTxServerAuthFail [Rad PSSStats Tx Server Auth Fail] (tmnxRadPSStatsTxServerAuthFail)	long	The value of tmnxRadPSStatsTxServerAuthFail indicates the number of packets that were dropped because the RADIUS server replied with a packet which failed authentication (invalid response Authenticator or Message-Authenticator attribute).
radPSStatsTxServerInvAttr [Rad PSSStats Tx Server Inv Attr] (tmnxRadPSStatsTxServerInvAttr)	long	The value of tmnxRadPSStatsTxServerInvAttr indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid attribute.
radPSStatsTxServerInvCode [Rad PSSStats Tx Server Inv Code] (tmnxRadPSStatsTxServerInvCode)	long	The value of tmnxRadPSStatsTxServerInvCode indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid Code field.
radPSStatsTxServerTimeout [Rad PSSStats Tx Server Timeout] (tmnxRadPSStatsTxServerTimeout)	long	The value of tmnxRadPSStatsTxServerTimeout indicates the number of packets that were dropped because the RADIUS servers have timed out.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxUserOverload [Rad PSSStats Tx User Overload] (tmnxRadPSStatsTxUserOverload)	long	The value of tmnxRadPSStatsTxUserOverload indicates the number of packets that were dropped because the registered user indicated to be in overload.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadPSStatus</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatusCacheEntries [Rad PSSStatus Cache Entries] (tmnxRadPSStatusCacheEntries)	long	The value of tmnxRadPSStatusCacheEntries indicates the number of entries in the cache of this RADIUS Proxy Server.
radPSStatusCacheEntriesReg [Rad PSSStatus Cache Entries Reg] (tmnxRadPSStatusCacheEntriesReg)	long	The value of tmnxRadPSStatusCacheEntriesReg indicates the number of entries in the cache of this RADIUS Proxy Server. Pending entries have a registered application. An example of an application that could register to a cache entry is Subscriber Management of DHCP clients.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadRouteDownloadStats MIB entry name: tmnxRadRDStatsEntry Entry description: Each conceptual row represents statistics about a particular Route Downloader. Rows are created and destroyed automatically by the system. Table description (for tmnxRadRDStatsTable): The tmnxRadRDStatsTable contains statistics about the RADIUS Route Downloaders of this system. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RouteDownloadPolicy</p>		
accessAcceptedPkts [Access Accepted Pkts] (tmnxRadRDStatsRxAccessAccept)	long	The value of tmnxRadRDStatsRxAccessReject indicates the number of Access-Accept packets received by this Route Downloader.
accessDroppedPkts [Access Dropped Pkts] (tmnxRadRDStatsRxAccessAcceptDrop)	long	The value of tmnxRadRDStatsRxAccessAcceptDrop indicates the number of Access-Accept packets received but dropped by this Route Downloader.
accessRejectedPkts [Access Rejected Pkts] (tmnxRadRDStatsRxAccessReject)	long	The value of tmnxRadRDStatsRxAccessReject indicates the number of Access-Reject packets received by this Route Downloader.
accessRequests [Access Requests] (tmnxRadRDStatsTxAccessRequest)	long	The value of tmnxRadRDStatsTxAccessRequest indicates the number of Access-Requests sent by this Route Downloader.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accessRetries [Access Retries] (tmnxRadRDStatsTxAccessReqRetry)	long	The value of tmnxRadRDStatsTxAccessReqRetry indicates the number of Access-Requests retries for this Route Downloader.
installingFailures [Installing Failures] (tmnxRadRDStatsRtmFailures)	long	The value of tmnxRadRDStatsRtmFailures indicates the number of times installing received routes failed for this Route Downloader.
lastAccessAccept [Last Access Accept] (tmnxRadRDStatsRxLastAccessAccept)	long	The value of tmnxRadRDStatsRxLastAccessAccept indicates when this Route Downloader last received an Access-Accept packet.
lastAccessReject [Last Access Reject] (tmnxRadRDStatsRxLastAccessReject)	long	The value of tmnxRadRDStatsRxLastAccessReject indicates when this Route Downloader last received an Access-Reject packet.
lastAccessRequest [Last Access Request] (tmnxRadRDStatsTxLastAccessReq)	long	The value of tmnxRadRDStatsTxLastAccessReq indicates when this Route Downloader last sent an Access-Request packet.
lastAccessRetry [Last Access Retry] (tmnxRadRDStatsTxLastAccReqRetry)	long	The value of tmnxRadRDStatsTxLastAccReqRetry indicates the time of the last Access-Request retry.
numOfDownloads [Num Of Downloads] (tmnxRadRDStatsDownloads)	long	The value of tmnxRadRDStatsDownloads indicates the number of downloads started by this Route Downloader.
remainingTime [Remaining Time] (tmnxRadRDStatsRemainingDownlTime)	long	The value of tmnxRadRDStatsRemainingDownlTime indicates the remaining time before the next download attempt.
retryTime [Retry Time] (tmnxRadRDStatsRemainingRetryTime)	long	The value of tmnxRadRDStatsRemainingRetryTime indicates the remaining time before the next download retry.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routesReceived [Routes Received] (tmnxRadRDStatsRoutesReceived)	long	The value of tmnxRadRDStatsRoutesReceived indicates the number of routes received in the last completed route download process.
<p>RadSrvPlcyMsgBufStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusServerPolicy</p>		
bufMsgPlcyName [Buf Msg Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
lastBufClean [Last Buf Clean] (tmnxRadSrvPlcyLastBufClean)	long	The value of tmnxRadSrvPlcyLastBufClean indicates the sysUpTime at the time of the most recent reset (empty) of the message buffer.
lastBufStatsClean [Last Buf Stats Clean] (tmnxRadSrvPlcyLastBufStatsClean)	long	The value of tmnxRadSrvPlcyLastBufStatsClean indicates the sysUpTime at the time of the most recent reset of the message buffer statistics.
nbrAcctInterimBuf [Nbr Acct Interim Buf] (tmnxRadSrvPlcyNbrAcctInterimBuf)	long	The value of tmnxRadSrvPlcyNbrAcctInterimBuf indicates the number of RADIUS accounting interim update messages that are currently buffered for this radius server policy.
nbrAcctInterimDrop [Nbr Acct Interim Drop] (tmnxRadSrvPlcyNbrAcctInterimDrop)	long	The value of tmnxRadSrvPlcyNbrAcctInterimDrop indicates the number of RADIUS accounting interim update messages that were dropped from the buffer because their lifetime expired.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nbrAcctStopBuf [Nbr Acct Stop Buf] (tmnxRadSrvPlcyNbrAcctStopBuf)	long	The value of tmnxRadSrvPlcyNbrAcctStopBuf indicates the number of RADIUS accounting stop messages that are currently buffered for this radius server policy.
nbrAcctStopDrop [Nbr Acct Stop Drop] (tmnxRadSrvPlcyNbrAcctStopDrop)	long	The value of tmnxRadSrvPlcyNbrAcctStopDrop indicates the number of RADIUS accounting stop messages that were dropped from the buffer because their lifetime expired.
<p>RadSrvPlcyStats MIB entry name: tmnxRadSrvPlcyEntry Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus. Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RadiusServerPolicy</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvPlcyStatsAcctFailed [Rad Srv Plcy Stats Acct Failed] (tmnxRadSrvPlcyStatsAcctFailed)	long	The value of tmnxRadSrvPlcyStatsAcctFailed indicates the number of accounting failures for this policy.
radSrvPlcyStatsAuthFailed [Rad Srv Plcy Stats Auth Failed] (tmnxRadSrvPlcyStatsAuthFailed)	long	The value of tmnxRadSrvPlcyStatsAuthFailed indicates the number of authentication failures for this policy.
radSrvPlcyStatsRatioFailure [Rad Srv Plcy Stats Ratio Failure] (tmnxRadSrvPlcyStatsFailureRatio)	int	The value of tmnxRadSrvPlcyStatsFailureRatio indicates the transaction failure ratio for this policy.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvPlcyStatsRatioReject [Rad Srv Plcy Stats Ratio Reject] (tmnxRadSrvPlcyStatsRejectRatio)	int	The value of tmnxRadSrvPlcyStatsRejectRatio indicates the ratio of access-rejects in the auth responses for this policy.
radSrvPlcyStatsRatioSuccess [Rad Srv Plcy Stats Ratio Success] (tmnxRadSrvPlcyStatsSuccessRatio)	int	The value of tmnxRadSrvPlcyStatsSuccessRatio indicates the transaction success ratio for this policy.
radSrvPlcyStatsReqRejected [Rad Srv Plcy Stats Req Rejected] (tmnxRadSrvPlcyStatsReqRejected)	long	The value of tmnxRadSrvPlcyStatsReqRejected indicates the number of RADIUS transaction requests that were not transmitted due to unacceptable configuration.
radSrvPlcyStatsReqSendFail [Rad Srv Plcy Stats Req Send Fail] (tmnxRadSrvPlcyStatsReqSendFail)	long	The value of tmnxRadSrvPlcyStatsReqSendFail indicates the number of RADIUS transaction requests that could not be transmitted.
radSrvPlcyStatsReqSendRetry [Rad Srv Plcy Stats Req Send Retry] (tmnxRadSrvPlcyStatsReqSendRetry)	long	The value of tmnxRadSrvPlcyStatsReqSendRetry indicates the number of times a RADIUS request packet was retransmitted to a server.
radSrvPlcyStatsReqTimeout [Rad Srv Plcy Stats Req Timeout] (tmnxRadSrvPlcyStatsReqTimeout)	long	The value of tmnxRadSrvPlcyStatsReqTimeout indicates the number of RADIUS transaction requests that have timed out.
radSrvPlcyStatsRxResponses [Rad Srv Plcy Stats Rx Responses] (tmnxRadSrvPlcyStatsRxResponses)	long	The value of tmnxRadSrvPlcyStatsRxResponses indicates the number of RADIUS transaction responses received.
radSrvPlcyStatsTxRequests [Rad Srv Plcy Stats Tx Requests] (tmnxRadSrvPlcyStatsTxRequests)	long	The value of tmnxRadSrvPlcyStatsTxRequests indicates the number of RADIUS transaction requests transmitted.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadSrvStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.ServerEntry</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvStatsAcctAvgDelay10 [Rad Srv Stats Acct Avg Delay 10] (tmnxRadSrvStatsAcctAvgDelay10)	long	The value of tmnxRadSrvStatsAcctAvgDelay10 indicates in microseconds, the average response delay for the last 10 accounting packets.
radSrvStatsAcctAvgDelay100 [Rad Srv Stats Acct Avg Delay 100] (tmnxRadSrvStatsAcctAvgDelay100)	long	The value of tmnxRadSrvStatsAcctAvgDelay100 indicates in microseconds, the average response delay for the last 100 accounting packets.
radSrvStatsAcctAvgDelay1000 [Rad Srv Stats Acct Avg Delay 1000] (tmnxRadSrvStatsAcctAvgDelay1000)	long	The value of tmnxRadSrvStatsAcctAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 accounting packets.
radSrvStatsAcctAvgDelay10000 [Rad Srv Stats Acct Avg Delay 10000] (tmnxRadSrvStatsAcctAvgDelay10000)	long	The value of tmnxRadSrvStatsAcctAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 accounting packets.
radSrvStatsAuthAvgDelay10 [Rad Srv Stats Auth Avg Delay 10] (tmnxRadSrvStatsAuthAvgDelay10)	long	The value of tmnxRadSrvStatsAuthAvgDelay10 indicates in microseconds, the average response delay for the last 10 authentication packets.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsAuthAvgDelay100 [Rad Srv Stats Auth Avg Delay 100] (tmnxRadSrvStatsAuthAvgDelay100)	long	The value of tmnxRadSrvStatsAuthAvgDelay100 indicates in microseconds, the average response delay for the last 100 authentication packets.
radSrvStatsAuthAvgDelay1000 [Rad Srv Stats Auth Avg Delay 1000] (tmnxRadSrvStatsAuthAvgDelay1000)	long	The value of tmnxRadSrvStatsAuthAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 authentication packets.
radSrvStatsAuthAvgDelay10000 [Rad Srv Stats Auth Avg Delay 10000] (tmnxRadSrvStatsAuthAvgDelay10000)	long	The value of tmnxRadSrvStatsAuthAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 authentication packets.
radSrvStatsFailedAcct [Rad Srv Stats Failed Acct] (tmnxRadSrvStatsAcctFailed)	long	The value of tmnxRadSrvStatsAcctFailed indicates the number of accounting failures for this server.
radSrvStatsFailedAuth [Rad Srv Stats Failed Auth] (tmnxRadSrvStatsAuthFailed)	long	The value of tmnxRadSrvStatsAuthFailed indicates the number of authentication failures for this server.
radSrvStatsReqOvrlSendFail [Rad Srv Stats Req Ovr Id Send Fail] (tmnxRadSrvStatsReqOvrlSendFail)	long	The value of tmnxRadSrvStatsReqOvrlSendFail indicates the number of RADIUS request packets that could not be transmitted while the RADIUS server was in overload.
radSrvStatsReqPending [Rad Srv Stats Req Pending] (tmnxRadSrvStatsReqPending)	long	The value of tmnxRadSrvStatsReqPending indicates the number of RADIUS request packets that are currently waiting for reply from this server.
radSrvStatsReqSendFailure [Rad Srv Stats Req Send Failure] (tmnxRadSrvStatsReqSendFailure)	long	The value of tmnxRadSrvStatsReqSendFailure indicates the number of RADIUS request packets that could not be transmitted for this server.
radSrvStatsReqTimeout [Rad Srv Stats Req Timeout] (tmnxRadSrvStatsReqTimeout)	long	The value of tmnxRadSrvStatsReqTimeout indicates the number of RADIUS request packets that have timed out for this server.

Table 395 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsRespInvAuth [Rad Srv Stats Resp Inv Auth] (tmnxRadSrvStatsRespInvAuth)	long	The value of tmnxRadSrvStatsRespInvAuth indicate the number of RADIUS response packets with an invalid Authenticator received from this server.
radSrvStatsRespInvMsgAuth [Rad Srv Stats Resp Inv Msg Auth] (tmnxRadSrvStatsRespInvMsgAuth)	long	The value of tmnxRadSrvStatsRespInvMsgAuth indicate the number of RADIUS response packets with an invalid Message-Authenticator attribute received from this server.
radSrvStatsRxResponses [Rad Srv Stats Rx Responses] (tmnxRadSrvStatsRxResponses)	long	The value of tmnxRadSrvStatsRxResponses indicates the number of RADIUS response packets received from this server.
radSrvStatsTxRequests [Rad Srv Stats Tx Requests] (tmnxRadSrvStatsTxRequests)	long	The value of tmnxRadSrvStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.

Table 396 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 396 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 396 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 397 acfilterli statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LilpFilterEntryStats</p> <p>MIB entry name: tLilpFilterParamsInfoEntry</p> <p>Entry description: This row complements the corresponding row in the tLilpFilterParamsTable with read-only operational info. Entries are created and deleted automatically by the system when a corresponding entry in tLilpFilterParamsTable is created / deleted.</p> <p>Table description (for tLilpFilterParamsInfoTable): The table tLilpFilterParamsInfoTable contains read-only information pertaining to LI IP filter match entries of LI IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • acfilterli.LilpFilterEntry • acfilterli.Lilpv6FilterEntry 		
egressHitBytes [Egress Hit Bytes] (tLilpFltrParamsInfEgrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLilpFltrParamsInfEgrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLilpFltrParamsInfIngrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLilpFltrParamsInfIngrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 397 acfilterli statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LiMacFilterEntryStats</p> <p>MIB entry name: tLiMacFilterParamsEntry</p> <p>Entry description: An LI MAC filter match entry.</p> <p>Table description (for tLiMacFilterParamsTable): The table tLiMacFilterParamsTable contains all LI MAC filter match entries for all LI MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilterli.LiMacFilterEntry</p>		
egressHitBytes [Egress Hit Bytes] (tLiMacFilterParamsEgrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLiMacFilterParamsEgrHitCount)	java. math. BigInteger	This object tLiMacFilterParamsEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLiMacFilterParamsIngrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLiMacFilterParamsIngrHitCount)	java. math. BigInteger	The object tLiMacFilterParamsIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 398 ancp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpCustomerStaticMapEgrMonitorStats</p> <p>MIB entry name: tmnxAncpMssEgrMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssEgrMonitorTable): The table tmnxAncpMssEgrMonitorTable contains ingress ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssEgrMntrAncpString)	String	The value of tmnxAncpMssEgrMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpMssEgrMntrQosShedPIR.
qosShedName [Qos Shed Name] (tmnxAncpMssEgrMntrQosShedName)	String	The value of tmnxAncpMssEgrMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this MSS.
qosShedPIR [Qos Shed PIR] (tmnxAncpMssEgrMntrQosShedPIR)	java. math. BigInteger	The value of tmnxAncpMssEgrMntrQosShedPIR indicates the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. This object is obsoleted in 11.0 Release. It is replaced by tmnxAncpMssEgrMntrQosShedPIRHi and tmnxAncpMssEgrMntrQosShedPIRLo.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpCustomerStaticMapIngrMonitorStats</p> <p>MIB entry name: tmnxAncpMssIngMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssIngMonitorTable): The table tmnxAncpMssIngMonitorTable contains ingress ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssIngMntrAncpString)	String	The value of tmnxAncpMssIngMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpMssIngMntrQosShedPIR.
qosShedName [Qos Shed Name] (tmnxAncpMssIngMntrQosShedName)	String	The value of tmnxAncpMssIngMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this MSS.
qosShedPIR [Qos Shed PIR] (tmnxAncpMssIngMntrQosShedPIR)	java. math. BigInteger	The value of tmnxAncpMssIngMntrQosShedPIR indicates the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. This object is obsoleted in 11.0 Release. It is replaced by tmnxAncpMssIngMntrQosShedPIRHi and tmnxAncpMssIngMntrQosShedPIRLo.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpCustomerStaticMapMonitorStats</p> <p>MIB entry name: tmnxAncpMssMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssMonitorTable): The table tmnxAncpMssMonitorTable contains ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssMntrAncpString)	String	The value of tmnxAncpMssMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the Scheduler rate limit as described in tmnxAncpMssMntrEgrAggRateLimit.
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpMssMntrEgrAggRateLimit)	long	The value of tmnxAncpMssMntrEgrAggRateLimit indicates the Qos Scheduler rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpSapEgrSchedMonitorStats</p> <p>MIB entry name: tmnxAncpSapEgrSchedMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapEgrSchedMonitorTable): The table tmnxAncpSapEgrSchedMonitorTable contains ANCP ingress information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapEgrMntrAncpString)	String	The value of tmnxAncpSapEgrMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpSapEgrMntrQosShedPIR.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
qosShedName [Qos Shed Name] (tmnxAncpSapEgrMntrQosShedName)	String	The value of tmnxAncpSapEgrMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this SAP.
qosShedPIR [Qos Shed PIR] (tmnxAncpSapEgrMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSapIngMntrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSapIngMntrQosShedPIRHi along with the value of tmnxAncpSapIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSapIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSapIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>AncpSapIngSchedMonitorStats MIB entry name: tmnxAncpSapIngSchedMonitorEntry Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only. Table description (for tmnxAncpSapIngSchedMonitorTable): The table tmnxAncpSapIngSchedMonitorTable contains ANCP ingress information for every SAP that maps on an known ANCP string. Supports realtime plotting Supports scheduled collection Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapIngMntrAncpString)	String	The value of tmnxAncpSapIngMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpSapIngMntrQosShedPIR.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
qosShedName [Qos Shed Name] (tmnxAncpSapIngMntrQosShedName)	String	The value of tmnxAncpSapIngMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this SAP.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosShedPIR [Qos Shed PIR] (tmnxAncpSapIngMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSapIngMntrQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSapIngMntrQosShedPIRHi along with the value of tmnxAncpSapIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSapIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSapIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFF7FE) indicates no overrides.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>AncpSapMonitorStats</p> <p>MIB entry name: tmnxAncpSapMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapMonitorTable): The table tmnxAncpSapMonitorTable contains ANCP information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapMntrAncpString)	String	The value of tmnxAncpSapMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the aggregate rate limit as described in tmnxAncpSapMntrEgrAggRateLimit.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpSapMntrEgrAggRateLimit)	long	The value of tmnxAncpSapMntrEgrAggRateLimit indicates the Qos Scheduler aggregate rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>AncpSubMonitorStats MIB entry name: tmnxAncpSubMonitorEntry Entry description: Each row contains statistics information about ANCP for every subscriber that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only. Table description (for tmnxAncpSubMonitorTable): The table tmnxAncpSubMonitorTable contains ANCP information for every subscriber that maps on an known ANCP string. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpSubMntrEgrAggRateLimit)	java. math. BigInteger	The value of tmnxAncpSubMntrEgrAggRateLimit indicates the Qos Scheduler rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy.

Table 398 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQosShedName [Egr Qos Shed Name] (tmnxAncpSubMntrEgrQosShedName)	String	The value of tmnxAncpSubMntrEgrQosShedName indicates the egress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this subscriber.
egrQosShedPIR [Egr Qos Shed PIR] (tmnxAncpSubMntrEgrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSubMntrEgrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSubMntrEgrQosShedPIRHi along with the value of tmnxAncpSubMntrEgrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSubMntrEgrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSubMntrEgrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.
ingQosShedName [Ing Qos Shed Name] (tmnxAncpSubMntrIngQosShedName)	String	The value of tmnxAncpSubMntrIngQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this subscriber.
ingQosShedPIR [Ing Qos Shed PIR] (tmnxAncpSubMntrIngQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSubMntrIngQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSubMntrIngQosShedPIRHi along with the value of tmnxAncpSubMntrIngQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSubMntrIngQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSubMntrIngQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.

Table 399 aps statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ApsChannelStats MIB entry name: apsChanStatusEntry Entry description: A conceptual row in the apsChanStatusTable. Table description (for apsChanStatusTable): This table contains status information for all SONET LTE interfaces that are included in APS groups. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsChannel</p>		
discontinuityTime [Discontinuity Time] (apsChanStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this channel's counters suffered a discontinuity. The relevant counters are the specific instances associated with this channel of any Counter32 object contained in apsChanStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.
lastSwitchover [Last Switchover] (apsChanStatusLastSwitchover)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the value of sysUpTime when this channel last completed a switch to the protection line. If this channel has never switched to the protection line, the value 0 will be returned. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the value of sysUpTime the last time that a working channel was switched back to the working line from this protection line. If no working channel has ever switched back to the working line from this protection line, the value 0 will be returned.

Table 399 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalDegrades [Signal Degrades] (apsChanStatusSignalDegrades)	long	A count of Signal Degrade conditions. This condition occurs when the line Bit Error Rate exceeds the currently configured value of the relevant instance of apsConfigSdBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
signalFailures [Signal Failures] (apsChanStatusSignalFailures)	long	A count of Signal Failure conditions that have been detected on the incoming signal. This condition occurs when a loss of signal, loss of frame, AIS-L or a Line bit error rate exceeding the currently configured value of the relevant instance of apsConfigSfBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
switchoverSeconds [Switchover Seconds] (apsChanStatusSwitchoverSeconds)	long	The cumulative Protection Switching Duration (PSD) time in seconds. For a working channel, this is the cumulative number of seconds that service was carried on the protection line. For the protection line, this is the cumulative number of seconds that the protection line has been used to carry any working channel traffic. This information is only valid if revertive switching is enabled. The value 0 will be returned otherwise. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime. For example, if the value of an instance of apsChanStatusSwitchoverSeconds changes from a non-zero value to zero due to revertive switching being disabled, it is expected that the corresponding value of apsChanStatusDiscontinuityTime will be updated to reflect the time of the configuration change.

Table 399 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
switchovers [Switchovers] (apsChanStatusSwitchovers)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the number of times this channel has switched to the protection line. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the number of times that any working channel has been switched back to the working line from this protection line. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
<p>ApsGroupStats MIB entry name: apsStatusEntry Entry description: A conceptual row in the apsStatusTable. Table description (for apsStatusTable): This table provides status information about APS groups that have been configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsGroup</p>		
channelMismatches [Channel Mismatches] (apsStatusChannelMismatches)	long	A count of Channel Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
discontinuityTime [Discontinuity Time] (apsStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this APS group's counters suffered a discontinuity. The relevant counters are the specific instances associated with this APS group of any Counter32 object contained in apsStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.

Table 399 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fEPLFs [FEPLFs] (apsStatusFEPLFs)	long	A count of Far-End Protection-Line Failure conditions. This condition is declared based on receiving SF on the protection line in the K1 byte. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
modeMismatches [Mode Mismatches] (apsStatusModeMismatches)	long	A count of Mode Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
pSBFs [PSBFs] (apsStatusPSBFs)	long	A count of Protection Switch Byte Failure conditions. This condition occurs when either an inconsistent APS byte or an invalid code is detected. An inconsistent APS byte occurs when no three consecutive K1 bytes of the last 12 successive frames are identical, starting with the last frame containing a previously consistent byte. An invalid code occurs when the incoming K1 byte contains an unused code or a code irrelevant for the specific switching operation (e.g., Reverse Request while no switching request is outstanding) in three consecutive frames. An invalid code also occurs when the incoming K1 byte contains an invalid channel number in three consecutive frames. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.

Table 400 arp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapArpHostStats</p> <p>MIB entry name: sapArpHostStatEntry</p> <p>Entry description: ARP host specific status and statistics information about a SAP.</p> <p>Table description (for sapArpHostStatTable): A table that contains ARP host status and statistics information about SAP's.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		
numAuthReq [Num Auth Req] (sapArpHostStatNumAuthReq)	long	The value of sapArpHostStatNumAuthReq indicates the number of times that the system initiated an authentication request for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numCreated [Num Created] (sapArpHostStatNumCreated)	long	The value of sapArpHostStatNumCreated indicates the number of times that an ARP host was created on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numDeleted [Num Deleted] (sapArpHostStatNumDeleted)	long	The value of sapArpHostStatNumDeleted indicates the number of times that an ARP host was deleted on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numForcedVerif [Num Forced Verif] (sapArpHostStatNumForcedVerif)	long	The value of sapArpHostStatNumForcedVerif indicates the number of times that the system started a forced subscriber host connectivity verification for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 400 arp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numHosts [Num Hosts] (sapArpHostStatNumHosts)	long	The value of sapArpHostStatNumHosts indicates the actual number of ARP hosts on this SAP.
numUpdated [Num Updated] (sapArpHostStatNumUpdated)	long	The value of sapArpHostStatNumUpdated indicates the number of times that an ARP host was updated on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
trigIgnQFull [Trig Ign QFull] (sapArpHostStatTrigIgnQFull)	long	The value of sapArpHostStatTrigIgnQFull indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host because the internal ARP trigger event queue of the system was full, since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
triggersIgnored [Triggers Ignored] (sapArpHostStatTriggersIgnored)	long	The value of sapArpHostStatTriggersIgnored indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared. This number does not include the number indicated by sapArpHostStatTrigIgnQFull.
triggersRx [Triggers Rx] (sapArpHostStatTriggersRx)	long	The value of sapArpHostStatTriggersRx indicates the number of ARP triggers received on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 401 atm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmIfcStatistics</p> <p>MIB entry name: tAtmIfcStatisticsEntry</p> <p>Entry description: An entry in the tAtmIfcStatisticsTable containing statistics information applicable to a particular IFC entry.</p> <p>Table description (for tAtmIfcStatisticsTable): The tAtmIfcStatisticsTable is used to gather cell-level statistics on a particular IFC entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IfConnection</p>		
tAtmIfcStatsDrpCellsRxd [TAtm Ifc Stats Drp Cells Rxd] (tAtmIfcStatsDrpCellsRxd)	long	The value of tAtmIfcStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the IFC. This excludes any buffer management discards (if applicable).
tAtmIfcStatsDrpClp0CellsRxd [TAtm Ifc Stats Drp Clp 0 Cells Rxd] (tAtmIfcStatsDrpClp0CellsRxd)	long	The value of tAtmIfcStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the IFC. This excludes any buffer management discards (if applicable).
tAtmIfcStatsDrpClp0CellsTxd [TAtm Ifc Stats Drp Clp 0 Cells Txd] (tAtmIfcStatsDrpClp0CellsTxd)	long	The value of tAtmIfcStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this IFC. This includes both discards due to buffer management and policer.
tAtmIfcStatsTagCells [TAtm Ifc Stats Tag Cells] (tAtmIfcStatsTagCells)	long	The value of tAtmIfcStatsTagCells indicates the number of tagged CLP=0 cells of the IFC. The egress may or may not discard these cells.
tAtmIfcStatsTotalBytesRxd [TAtm Ifc Stats Total Bytes Rxd] (tAtmIfcStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesTxd indicates the number of bytes transmitted by this IFC. This is the number of tAtmIfcStatsTotalCellsTxd multiplied by 53.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmIfcStatsTotalBytesTxd [TAtm Ifc Stats Total Bytes Txd] (tAtmIfcStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesRxd indicates the number of bytes received by this IFC. This is the number of tAtmIfcStatsTotalCellsRxd multiplied by 53.
tAtmIfcStatsTotalCellsRxd [TAtm Ifc Stats Total Cells Rxd] (tAtmIfcStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsRxd indicates the number of valid ATM cells received by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalCellsTxd [TAtm Ifc Stats Total Cells Txd] (tAtmIfcStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsRxd [TAtm Ifc Stats Total Clp 0 Cells Rxd] (tAtmIfcStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsTxd [TAtm Ifc Stats Total Clp 0 Cells Txd] (tAtmIfcStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
<p>AtmOamVplStatistics</p> <p>MIB entry name: tAtmOamVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVplStatisticsTable): The tAtmOamVplStatisticsTable is used to gather oam statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmOamVplStatsAISCCellsRxd [TAtm Oam Vpl Stats AISCCells Rxd] (tAtmOamVplStatsAISCCellsRxd)	long	The value of tAtmOamVplStatsAISCCellsRxd indicates the number of AIS cells received on this VPL for both end to end and segment.
tAtmOamVplStatsAISCCellsTxd [TAtm Oam Vpl Stats AISCCells Txd] (tAtmOamVplStatsAISCCellsTxd)	long	The value of tAtmOamVplStatsAISCCellsTxd indicates the number of AIS cells transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsCrc10Errors [TAtm Oam Vpl Stats Crc 10 Errors] (tAtmOamVplStatsCrc10Errors)	long	The value of tAtmOamVplStatsCrc10Errors indicates the number of OAM cells discarded on this VPL with CRC 10 errors.
tAtmOamVplStatsLoopbackCellsRxd [TAtm Oam Vpl Stats Loopback Cells Rxd] (tAtmOamVplStatsLoopbackCellsRxd)	long	The value of tAtmOamVplStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VPL for both end to end and segment.
tAtmOamVplStatsLoopbackCellsTxd [TAtm Oam Vpl Stats Loopback Cells Txd] (tAtmOamVplStatsLoopbackCellsTxd)	long	The value of tAtmOamVplStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsOtherCellsRxd [TAtm Oam Vpl Stats Other Cells Rxd] (tAtmOamVplStatsOtherCellsRxd)	long	This value of tAtmOamVplStatsOtherCellsRxd indicates the number of OAM cells that are received on this VPL but not identified.
tAtmOamVplStatsRDICellsRxd [TAtm Oam Vpl Stats RDICells Rxd] (tAtmOamVplStatsRDICellsRxd)	long	The value of tAtmOamVplStatsRDICellsRxd indicates the number of RDI cells received on this VPL for both end to end and segment.
tAtmOamVplStatsRDICellsTxd [TAtm Oam Vpl Stats RDICells Txd] (tAtmOamVplStatsRDICellsTxd)	long	The value of tAtmOamVplStatsRDICellsTxd indicates the number of RDI cells transmitted on this VPL for both end to end and segment.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmVplStatistics</p> <p>MIB entry name: tAtmVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmVplStatisticsTable): The tAtmVplStatisticsTable is used to gather cell-level statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		
tAtmVplStatsDrpCellsRxd [TAtm Vpl Stats Drp Cells Rxd] (tAtmVplStatsDrpCellsRxd)	long	The value of tAtmVplStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsRxd [TAtm Vpl Stats Drp Clp 0 Cells Rxd] (tAtmVplStatsDrpClp0CellsRxd)	long	The value of tAtmVplStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsTxd [TAtm Vpl Stats Drp Clp 0 Cells Txd] (tAtmVplStatsDrpClp0CellsTxd)	long	The value of tAtmVplStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VPL. This includes both discards due to buffer management and policer.
tAtmVplStatsTagCells [TAtm Vpl Stats Tag Cells] (tAtmVplStatsTagCells)	long	The value of tAtmVplStatsTagCells indicates the number of tagged CLP=0 cells of the VPL. The egress may or may not discard these cells.
tAtmVplStatsTotalBytesRxd [TAtm Vpl Stats Total Bytes Rxd] (tAtmVplStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesRxd indicates the number of bytes received by this VPL. This is the number of tAtmVplStatsTotalCellsRxd multiplied by 53.
tAtmVplStatsTotalBytesTxd [TAtm Vpl Stats Total Bytes Txd] (tAtmVplStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesTxd indicates the number of bytes transmitted by this VPL. This is the number of tAtmVplStatsTotalCellsTxd multiplied by 53.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVplStatsTotalCellsRxd [TAtm Vpl Stats Total Cells Rxd] (tAtmVplStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsRxd indicates the number of valid ATM cells received by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalCellsTxd [TAtm Vpl Stats Total Cells Txd] (tAtmVplStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsRxd [TAtm Vpl Stats Total Clp 0 Cells Rxd] (tAtmVplStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsTxd [TAtm Vpl Stats Total Clp 0 Cells Txd] (tAtmVplStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
AtmVtlStatistics MIB entry name: tAtmVtlStatisticsEntry Entry description: An entry in the tAtmVtlStatisticsTable containing statistics information applicable to a particular VTL entry. Table description (for tAtmVtlStatisticsTable): The tAtmVtlStatisticsTable is used to gather cell-level statistics on a particular VTL entry. Supports realtime plotting Supports scheduled collection Monitored class: atm.VTConnection		
tAtmVtlStatsDrpCellsRxd [TAtm Vtl Stats Drp Cells Rxd] (tAtmVtlStatsDrpCellsRxd)	long	The value of tAtmVtlStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VTL. This excludes any buffer management discards (if applicable).

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVtlStatsDrpClp0CellsRxd [TAtm Vtl Stats Drp Clp 0 Cells Rxd] (tAtmVtlStatsDrpClp0CellsRxd)	long	The value of tAtmVtlStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsTxd [TAtm Vtl Stats Drp Clp 0 Cells Txd] (tAtmVtlStatsDrpClp0CellsTxd)	long	The value of tAtmVtlStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VTL. This includes both discards due to buffer management and policer.
tAtmVtlStatsTagCells [TAtm Vtl Stats Tag Cells] (tAtmVtlStatsTagCells)	long	The value of tAtmVtlStatsTagCells indicates the number of tagged CLP=0 cells of the VTL. The egress may or may not discard these cells.
tAtmVtlStatsTotalBytesRxd [TAtm Vtl Stats Total Bytes Rxd] (tAtmVtlStatsTotalBytesTxd)	java. math. BigInte- ger	The value of tAtmVtlStatsTotalBytesTxd indicates the number of bytes transmitted by this VTL. This is the number of tAtmVtlStatsTotalCellsTxd multiplied by 53.
tAtmVtlStatsTotalBytesTxd [TAtm Vtl Stats Total Bytes Txd] (tAtmVtlStatsTotalBytesRxd)	java. math. BigInte- ger	The value of tAtmVtlStatsTotalBytesRxd indicates the number of bytes received by this VTL. This is the number of tAtmVtlStatsTotalCellsRxd multiplied by 53.
tAtmVtlStatsTotalCellsRxd [TAtm Vtl Stats Total Cells Rxd] (tAtmVtlStatsTotalCellsRxd)	java. math. BigInte- ger	The value of tAtmVtlStatsTotalCellsRxd indicates the number of valid ATM cells received by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalCellsTxd [TAtm Vtl Stats Total Cells Txd] (tAtmVtlStatsTotalCellsTxd)	java. math. BigInte- ger	The value of tAtmVtlStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsRxd [TAtm Vtl Stats Total Clp 0 Cells Rxd] (tAtmVtlStatsTotalClp0CellsRxd)	java. math. BigInte- ger	The value of tAtmVtlStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVtlStatsTotalClp0CellsTxd [TAtm Vtl Stats Total Clp 0 Cells Txd] (tAtmVtlStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
<p>IlmiStatistics</p> <p>MIB entry name: tAtmIlmiLinkStatisticsEntry</p> <p>Entry description: An entry in the tAtmIlmiLinkStatisticsTable containing statistics information applicable to a particular ILMI link on an ATM interface.</p> <p>Table description (for tAtmIlmiLinkStatisticsTable): The tAtmIlmiLinkStatisticsTable is used to gather statistics on a particular ILMI Link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IlmiLink</p>		
inBadValueErrors [In Bad Value Errors] (tAtmIlmiLinkInBadValueErrors)	long	The value of tAtmIlmiLinkInBadValueErrors indicates the total number SNMP 'BadValue' error messages received on this ILMI link.
inGeneralErrors [In General Errors] (tAtmIlmiLinkInGeneralErrors)	long	The value of tAtmIlmiLinkInGeneralErrors indicates the total number SNMP 'General' error messages received on this ILMI link.
inGetNextRequest [In Get Next Request] (tAtmIlmiLinkInGetNextRequestPdus)	long	The value of tAtmIlmiLinkInGetNextRequestPdus indicates the total number 'GetNextRequest' SNMP PDUs received on this ILMI link.
inGetRequest [In Get Request] (tAtmIlmiLinkInGetRequestPdus)	long	The value of tAtmIlmiLinkInGetRequestPdus indicates the total number GetRequest SNMP PDUs received on this ILMI link.
inGetResponse [In Get Response] (tAtmIlmiLinkInGetResponsePdus)	long	The value of tAtmIlmiLinkInGetResponsePdus indicates the total number 'GetResponse' SNMP PDUs received on this ILMI link in response to 'GetRequest', 'GetNextRequest' and 'SetRequests' sent.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNoSuchNameErrors [In No Such Name Errors] (tAtmIImiLinkInNoSuchNameErrors)	long	The value of tAtmIImiLinkInNoSuchNameErrors indicates the total number SNMP `NoSuchName` error messages received on this ILMI link.
inPdu [In Pdu] (tAtmIImiLinkInPdus)	long	The value of tAtmIImiLinkInPdus indicates the total number SNMP PDUs received on this ILMI link.
inReadOnlyErrors [In Read Only Errors] (tAtmIImiLinkInReadOnlyErrors)	long	The value of tAtmIImiLinkInReadOnlyErrors indicates the total number SNMP `ReadOnly` error messages received on this ILMI link.
inSetRequestPackets [In Set Request Packets] (tAtmIImiLinkInSetRequestPdus)	long	The value of tAtmIImiLinkInSetRequestPdus indicates the total number `SetRequest` SNMP PDUs received on this ILMI link.
inTooBigErrors [In Too Big Errors] (tAtmIImiLinkInTooBigErrors)	long	The value of tAtmIImiLinkInTooBigErrors indicates the total number SNMP `TooBig` error messages received on this ILMI link.
inTraps [In Traps] (tAtmIImiLinkInTrapPdus)	long	The value of tAtmIImiLinkInTrapPdus indicates the total number Trap SNMP PDUs received on this ILMI link.
outBadValueErrors [Out Bad Value Errors] (tAtmIImiLinkOutBadValueErrors)	long	The value of tAtmIImiLinkOutBadValueErrors indicates the total number SNMP `BadValue` error messages sent on this ILMI link.
outGeneralErrors [Out General Errors] (tAtmIImiLinkOutGeneralErrors)	long	The value of tAtmIImiLinkOutGeneralErrors indicates the total number SNMP `General` error messages sent on this ILMI link.
outGetNextRequest [Out Get Next Request] (tAtmIImiLinkOutGetNextRequestPdus)	long	The value of tAtmIImiLinkOutGetNextRequestPdus indicates the total number GetNextRequest SNMP PDUs sent on this ILMI link.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGetRequest [Out Get Request] (tAtmIImiLinkOutGetRequestPdus)	long	The value of tAtmIImiLinkOutGetRequestPdus indicates the total number GetRequest SNMP PDUs sent on this ILMI link.
outGetResponse [Out Get Response] (tAtmIImiLinkOutGetResponsePdus)	long	The value of tAtmIImiLinkOutGetResponsePdus indicates the total number GetResponse SNMP PDUs sent on this ILMI link in response to GetRequest, GetNextRequest and 'SetRequests' received.
outNoSuchNameErrors [Out No Such Name Errors] (tAtmIImiLinkOutNoSuchNameErrors)	long	The value of tAtmIImiLinkOutNoSuchNameErrors indicates the total number SNMP 'NoSuchName' error messages sent on this ILMI link.
outPdu [Out Pdu] (tAtmIImiLinkOutPdus)	long	The value of tAtmIImiLinkOutPdus indicates the total number SNMP PDUs sent on this ILMI link.
outReadOnlyErrors [Out Read Only Errors] (tAtmIImiLinkOutReadOnlyErrors)	long	The value of tAtmIImiLinkOutReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages sent on this ILMI link.
outSetRequestPackets [Out Set Request Packets] (tAtmIImiLinkOutSetRequestPdus)	long	The value of tAtmIImiLinkOutSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs sent on this ILMI link.
outTooBigErrors [Out Too Big Errors] (tAtmIImiLinkOutTooBigErrors)	long	The value of tAtmIImiLinkOutTooBigErrors indicates the total number SNMP 'TooBig' error messages sent on this ILMI link.
outTraps [Out Traps] (tAtmIImiLinkOutTrapPdus)	long	The value of tAtmIImiLinkOutTrapPdus indicates the total number Trap SNMP PDUs sent on this ILMI link.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpCommStringErrors [Snmp Comm String Errors] (tAtmIImiLinkInInvalidSnmpCommunityStringPdus)	long	The value of tAtmIImiLinkInInvalidSnmpCommunityStringPdus indicates the total number SNMP PDUs received with invalid community string on this ILMI link.
snmpFormatErrors [Snmp Format Errors] (tAtmIImiLinkInInvalidSnmpFormatPdus)	long	The value of tAtmIImiLinkInInvalidSnmpFormatPdus indicates the total number SNMP PDUs received with invalid ASN.1 format on this ILMI link.
snmpVersionErrors [Snmp Version Errors] (tAtmIImiLinkInInvalidSnmpVersionPdus)	long	The value of tAtmIImiLinkInInvalidSnmpVersionPdus indicates the total number SNMP PDUs received with invalid version on this ILMI link.
<p>InterfaceAal5Stats MIB entry name: tAtmIntfAal5StatsEntry Entry description: An entry in the tAtmIntfAal5StatsEntry containing statistics information applicable to an ATM interface at the AAL5 Layer. Table description (for tAtmIntfAal5StatsTable): The tAtmIntfAal5StatsTable contains ATM interface stats at the AAL5 Layer. Supports realtime plotting Supports scheduled collection Monitored class: atm.Interface</p>		
tAtmInterfaceAal5StatsTotalCrc32Errors [TAtm Interface Aal5 Stats Total Crc 32 Errors] (tAtmIntfAal5StatsTotalCrc32Err)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalCrc32Err indicates the number of Errors detected by the 32 bit cyclic redundancy check.
tAtmInterfaceAal5StatsTotalPktsDroppedRxd [TAtm Interface Aal5 Stats Total Pkts Dropped Rxd] (tAtmIntfAal5StatsTotalPktsDrpRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpRxd indicates the number of AAL5 PDUs dropped by the ATM interface in the receive direction. This count does not include crc32 Errors or oversized SDU discards

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmInterfaceAal5StatsTotalPktsDroppedTxd [TAtm Interface Aal5 Stats Total Pkts Dropped Txd] (tAtmIntfAal5StatsTotalPktsDrpTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpTxd indicates the number of AAL5 PDUs dropped in the transmit direction. This count does not include crc32 Errors or oversized SDU discards.
tAtmInterfaceAal5StatsTotalPktsRxd [TAtm Interface Aal5 Stats Total Pkts Rxd] (tAtmIntfAal5StatsTotalPktsRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsRxd indicates the number of AAL5 PDUs that are received by the ATM interface.
tAtmInterfaceAal5StatsTotalPktsTxd [TAtm Interface Aal5 Stats Total Pkts Txd] (tAtmIntfAal5StatsTotalPktsTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsTxd indicates the number of AAL5 PDUs that are transmitted by the ATM interface.
InterfaceStats MIB entry name: tAtmIntfStatsEntry Entry description: An entry in the tAtmIntfStatsEntry containing statistics information applicable to an ATM interface. Table description (for tAtmIntfStatsTable): The tAtmIntfStatsTable contains ATM interface stats at the ATM Layer. Supports realtime plotting Supports scheduled collection Monitored class: atm.Interface		
tAtmInterfaceStatsTotalBytesRxd [TAtm Interface Stats Total Bytes Rxd] (tAtmIntfStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesRxd indicates the number of bytes received on this interface. This is the number of tAtmIntfStatsTotalCellsRxd multiplied by 53.
tAtmInterfaceStatsTotalBytesTxd [TAtm Interface Stats Total Bytes Txd] (tAtmIntfStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesTxd indicates the number of bytes transmitted on this interface. This is the number of tAtmIntfStatsTotalCellsTxd multiplied by 53.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmInterfaceStatsTotalCellsRxd [TAtm Interface Stats Total Cells Rxd] (tAtmIntfStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsRxd indicates the number of valid ATM cells received by the ATM interface including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmInterfaceStatsTotalCellsTxd [TAtm Interface Stats Total Cells Txd] (tAtmIntfStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the ATM interface including both CLP=0 and CLP=1 cells.
tAtmInterfaceStatsTotalUnknownCellsDropped [TAtm Interface Stats Total Unknown Cells Dropped] (tAtmIntfStatsTotalUnknCellsDrp)	long	The value of tAtmIntfStatsTotalUnknCellsDrp indicates the number of cells dropped due to an unknown VPI/VCI.
<p>PvcConnectionAal5PerformanceStats MIB entry name: aal5VccEntry Entry description: This list contains the AAL5 VCC performance parameters and is indexed by ifIndex values of AAL5 interfaces and the associated VPI/VCI values. Table description (for aal5VccTable): This table contains AAL5 VCC performance parameters. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection</p>		
aal5CrcErrors [Aal5 Crc Errors] (aal5VccCrcErrors)	long	The number of AAL5 CPCS PDUs received with CRC-32 errors on this AAL5 VCC at the interface associated with an AAL5 entity.
aal5OverSizedSDUs [Aal5 Over Sized SDUs] (aal5VccOverSizedSDUs)	long	The number of AAL5 CPCS PDUs discarded on this AAL5 VCC at the interface associated with an AAL5 entity because the AAL5 SDUs were too large.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aal5SarTimeOuts [Aal5 Sar Time Outs] (aal5VccSarTimeOuts)	long	The number of partially re-assembled AAL5 CPCS PDUs which were discarded on this AAL5 VCC at the interface associated with an AAL5 entity because they were not fully re-assembled within the required time period. If the re-assembly timer is not supported, then this object contains a zero value.
<p>PvcConnectionAal5Stats</p> <p>MIB entry name: tAal5VccStatisticsEntry</p> <p>Entry description: An entry in the tAal5VccStatisticsTable containing statistics information applicable to a particular AAL5 VCC entry in the AToM MIB.</p> <p>Table description (for tAal5VccStatisticsTable): tAal5VccStatisticsTable is used to gather AAL5-level statistics on a particular AAL5 VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
aal5DroppedPacketsRxd [Aal5 Dropped Packets Rxd] (tAal5VccStatsDrpPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsRxd indicates the number of dropped AAL-5 SDUs that have been received on the AAL-5 VCC.
aal5DroppedPacketsTxd [Aal5 Dropped Packets Txd] (tAal5VccStatsDrpPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsTxd indicates the number of dropped AAL-5 SDUs that would have been transmitted on the AAL-5 VCC.
aal5PacketsRxd [Aal5 Packets Rxd] (tAal5VccStatsPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsRxd indicates the number of valid AAL-5 SDUs and AAL-5 SDUs with CRC-32 errors received by the AAL-5 VCC.
aal5PacketsTxd [Aal5 Packets Txd] (tAal5VccStatsPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsTxd indicates the number of AAL-5 SDUs transmitted by the AAL-5 VCC.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionOamStats</p> <p>MIB entry name: tAtmOamVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVclStatisticsTable): The tAtmOamVclStatisticsTable is used to gather oam statistics on a particular VCL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
oamAISCellsRxd [Oam AISCells Rxd] (tAtmOamVclStatsAISCellsRxd)	long	The value of tAtmOamVclStatsAISCellsRxd indicates the number of AIS cells received on this VC for both end to end and segment.
oamAISCellsTxd [Oam AISCells Txd] (tAtmOamVclStatsAISCellsTxd)	long	The value of tAtmOamVclStatsAISCellsTxd indicates the number of AIS cells transmitted on this VC for both end to end and segment.
oamCrc10Errors [Oam Crc 10 Errors] (tAtmOamVclStatsCrc10Err)	long	The value of tAtmOamVclStatsCrc10Err indicates the number of oam cells discarded with CRC 10 Errors.
oamLoopbackCellsRxd [Oam Loopback Cells Rxd] (tAtmOamVclStatsLoopbackCellsRxd)	long	The value of tAtmOamVclStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VC for both end to end and segment.
oamLoopbackCellsTxd [Oam Loopback Cells Txd] (tAtmOamVclStatsLoopbackCellsTxd)	long	The value of tAtmOamVclStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VC for both end to end and segment.
oamOtherCellsRxd [Oam Other Cells Rxd] (tAtmOamVclStatsOtherCellsRxd)	long	This value of tAtmOamVclStatsOtherCellsRxd indicates the number of oam cells that are received but not identified.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oamRDICellsRxd [Oam RDICells Rxd] (tAtmOamVclStatsRDICellsRxd)	long	The value of tAtmOamVclStatsRDICellsRxd indicates the number of RDI cells received on this VC for both end to end and segment.
oamRDICellsTxd [Oam RDICells Txd] (tAtmOamVclStatsRDICellsTxd)	long	The value of tAtmOamVclStatsRDICellsTxd indicates the number of RDI cells transmitted on this VC for both end to end and segment.
<p>PvcConnectionStats MIB entry name: tAtmVclStatisticsEntry Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmVclStatisticsTable): The tAtmVclStatisticsTable is used to gather cell-level statistics on a particular VCL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection</p>		
totalBytesRxd [Total Bytes Rxd] (tAtmVclStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesRxd indicates the number of bytes received by this Vcl. This is the number of tAtmVclStatsTotalCellsRxd multiplied by 53.
totalBytesTxd [Total Bytes Txd] (tAtmVclStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesTxd indicates the number of bytes transmitted by this Vcl. This is the number of tAtmVclStatsTotalCellsTxd multiplied by 53.
totalPacketsRxd [Total Packets Rxd] (tAtmVclStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsRxd indicates the number of valid ATM cells received by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsTxd [Total Packets Txd] (tAtmVclStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
<p>TCStats</p> <p>MIB entry name: atmInterfaceTCEntry</p> <p>Entry description: This list contains TC Sublayer parameters and state variables at the ATM interface and is indexed by the ifIndex value of the ATM interface.</p> <p>Table description (for atmInterfaceTCTable): This table contains ATM interface TC Sublayer parameters and state variables, one entry per ATM interface port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
ocdEvents [Ocd Events] (atmInterfaceOCDEvents)	long	The number of times the Out of Cell Delineation (OCD) events occur. If seven consecutive ATM cells have Header Error Control (HEC) violations, an OCD event occurs. A high number of OCD events may indicate a problem with the TC Sublayer.
<p>TCSubLayerStats</p> <p>MIB entry name: tAtmTCSublayerEntry</p> <p>Entry description: An entry in the tAtmTCSublayerEntry containing additional management information about the Transmission Convergence Sublayer.</p> <p>Table description (for tAtmTCSublayerTable): The tAtmTCSublayerTable contains the Transmission Convergence Sublayer data.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		

Table 401 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hecErrors [Hec Errors] (tAtmTCSublayerHecErrors)	long	The value of tAtmTCSublayerHecErrors indicates the number of cells with uncorrectable HEC Errors on this interface.
hecErrorsFixed [Hec Errors Fixed] (tAtmTCSublayerHecErrorsFixed)	long	The value of tAtmTCSublayerHecErrorsFixed indicates the number of cells with correctable HEC Errors on this interface.

Table 402 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 402 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
l2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperl2VpnActivePfxs)	long	The value of tBgpPeerNgOperl2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
l2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperl2VpnRecvPfxs)	long	The value of tBgpPeerNgOperl2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.

Table 402 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.

Table 402 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.

Table 402 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.

Table 402 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
PeerVprnlpv6Stats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.

Table 402 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 403 bundle statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BundleStats</p> <p>MIB entry name: tmnxBundleEntry</p> <p>Entry description: Each row entry represents a multilink bundle on a MDA. Entries can be created and deleted via SNMP SET operations using the tmnxBundleRowStatus object. The tmnxBundleBundleID will contain the bundle number encoded in it. The bundle number is unique for a MDA. For each tmnxBundleEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for tmnxBundleTable): The tmnxBundleTable has an entry for a bundle created on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.Interface</p>		
inputDiscards [Input Discards] (tmnxBundleInputDiscards)	long	tmnxBundleInputDiscards indicates the number of LCP packets that were discarded. This object is only supported for a tmnxBundleType value of mlppp.
upTime [Up Time] (tmnxBundleUpTime)	long	tmnxBundleUpTime indicates the time since the bundle is operationally 'inService'.
<p>MultiClassMlpppStats</p> <p>MIB entry name: tmnxMcMlpppStatsEntry</p> <p>Entry description: Defines an entry in tmnxMcMlpppStatsTable. Entries are created and deleted by the system depending on the number of classes being used by a given MLPPP bundle.</p> <p>Table description (for tmnxMcMlpppStatsTable): Defines the Alcatel-Lucent SROS series Multiclass MLPPP statistics table for providing the capability of retrieving the traffic statistics for the physical queues being used for a class of a multiclass MLPPP bundle to forward the traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.MultiClassMlpppSpecifics</p>		

Table 403 bundle statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcMlpppStatsEgressErrPkt [Mc Mlppp Stats Egress Err Pkt] (tmnxMcMlpppStatsEgressErrPkt)	long	The value of tmnxMcMlpppStatsEgressErrPkt indicates the total number of packets discarded due to segmentation errors on the bundle for the given class on egress.
mcMlpppStatsEgressOct [Mc Mlppp Stats Egress Oct] (tmnxMcMlpppStatsEgressOct)	long	The value of tmnxMcMlpppStatsEgressOct indicates the total number of octets in all packets received on the bundle for the given class on egress before segmentation.
mcMlpppStatsEgressPkt [Mc Mlppp Stats Egress Pkt] (tmnxMcMlpppStatsEgressPkt)	long	The value of tmnxMcMlpppStatsEgressPkt indicates the total number of packets forwarded on the bundle for the given class on egress towards the line.
mcMlpppStatsIngressErrPkt [Mc Mlppp Stats Ingress Err Pkt] (tmnxMcMlpppStatsIngressErrPkt)	long	The value of tmnxMcMlpppStatsIngressErrPkt indicates the total number of packets discarded due to reassembly errors on the bundle for the given class on ingress.
mcMlpppStatsIngressOct [Mc Mlppp Stats Ingress Oct] (tmnxMcMlpppStatsIngressOct)	long	The value of tmnxMcMlpppStatsIngressOct indicates the total number of octets in all packets received on the bundle for the given class on ingress before reassembly.
mcMlpppStatsIngressPkt [Mc Mlppp Stats Ingress Pkt] (tmnxMcMlpppStatsIngressPkt)	long	The value of tmnxMcMlpppStatsIngressPkt indicates the total number of packets forwarded on the bundle for the given class on ingress towards higher layer protocols.

Table 404 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CflowdGeneralStats MIB entry name: tmnxCflowdGeneralObjs Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCflowd		
activeFlows [Active Flows] (tmnxCflowdActiveFlows)	long	The value of tmnxCflowdActiveFlows is a gauge that indicates the current number of active flows being collected.
droppedFlows [Dropped Flows] (tmnxCflowdGenDroppedFlows)	long	The value of tmnxCflowdGenDroppedFlows indicates the number of times a flow was dropped. Data from dropped flows are not reported to any collector.
genAggrFlowsCreated [Gen Aggr Flows Created] (tmnxCflowdGenAggrFlowsCreated)	long	The value of tmnxCflowdGenAggrFlowsCreated indicates the number of aggregate flows created by system.
genAggrFlowsFlushed [Gen Aggr Flows Flushed] (tmnxCflowdGenAggrFlowsFlushed)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of aggregate flows flushed.
genAggrFlowsMatched [Gen Aggr Flows Matched] (tmnxCflowdGenAggrFlowsMatched)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of packets matched to an existing aggregate flow.
genRawFlowsCreated [Gen Raw Flows Created] (tmnxCflowdGenRawFlowsCreated)	long	The value of tmnxCflowdGenRawFlowsCreated indicates the number of raw flows created by system.
genRawFlowsFlushed [Gen Raw Flows Flushed] (tmnxCflowdGenRawFlowsFlushed)	long	The value of tmnxCflowdGenRawFlowsFlushed indicates the number of raw flows flushed.

Table 404 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
genRawFlowsMatched [Gen Raw Flows Matched] (tmnxCflowdGenRawFlowsMatched)	long	The value of tmnxCflowdGenRawFlowsMatched indicates the number of raw packets matched to an existing raw flow.
overflowEvents [Overflow Events] (tmnxCflowdGenOverflowEvents)	long	The value of tmnxCflowdGenOverflowEvents indicates the number of times the flow cache has entered the overflow state.
totalPktsDropped [Total Pkts Dropped] (tmnxCflowdTotalPktsDropped)	long	The value of tmnxCflowdTotalPktsDropped indicates the total number of packets dropped for Cflowd.
totalPktsRcvd [Total Pkts Rcvd] (tmnxCflowdTotalPktsRcvd)	long	The value of tmnxCflowdTotalPktsRcvd indicates the total number of packets received for Cflowd.
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.

Table 404 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.

Table 404 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.
<p>NeCollectorV5Stats MIB entry name: tmnxCFHostCollV5StatsEntry Entry description: The tmnxCFHostCollV5StatsEntry contains the statistics information pertaining to the specified remote collector host. Table description (for tmnxCFHostCollV5StatsTable): The tmnxCFHostCollV5StatsTable consists of the version 5 statistics for a particular remote collector host. This table replaces tmnxCflowdV5StatsTable as it includes support for IPv6 addresses. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnxCFHostCollV5ErrorPackets)	long	The value of tmnxCFHostCollV5ErrorPackets indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnxCFHostCollV5OpenPackets)	long	The value of tmnxCFHostCollV5OpenPackets indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnxCFHostCollV5SentPackets)	long	The value of tmnxCFHostCollV5SentPackets indicates the number of packets transmitted for the specified remote collector host.

Table 404 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnxCFHostCollAggrStatsEntry</p> <p>Entry description: The tmnxCFHostCollAggrStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnxCFHostCollAggrStatsTable): The tmnxCFHostCollAggrStatsTable consists of the overall statistics for a remote collector host based on aggregation type. This table replaces tmnxCflowdAggregationStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
aggPacketErrors [Agg Packet Errors] (tmnxCFHostCollAggrErrorPackets)	long	The value of tmnxCFHostCollAggrErrorPackets indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCFHostCollAggrOpenPackets)	long	The value of tmnxCFHostCollAggrOpenPackets indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCFHostCollAggrSentPackets)	long	The value of tmnxCFHostCollAggrSentPackets indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCFHostCollAggrIndex)	int	The value of tmnxCFHostCollAggrIndex specifies the row in the tmnxCFHostCollAggrStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCFHostCollAggrStatus)	int	The value of tmnxCFHostCollAggrStatus indicates whether or not the aggregation is in use in the remote collector host entry.

Table 404 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 405 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcpPoolFailoverStats</p> <p>MIB entry name: tmnxDhcpsPoolFoStatsEntry</p> <p>Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Address Pool instance. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxDhcpsPoolFoStatsTable): The tmnxDhcpsPoolFoStatsTable contains statistics about the DHCP Address Pool failover facility.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcpPoolFailover</p>		
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsPoolFoStatsAddrConflict)	long	The value of tmnxDhcpsPoolFoStatsAddrConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsPoolFoStatsDropInvPkts)	long	The value of tmnxDhcpsPoolFoStatsDropInvPkts indicates how many BNDUPD packets were dropped because the packet was malformed.
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsPoolFoStatsHostConflict)	long	The value of tmnxDhcpsPoolFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsPoolFoStatsExpired)	long	The value of tmnxDhcpsPoolFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsPoolFoStatsLeaseNFound)	long	The value of tmnxDhcpsPoolFoStatsLeaseNFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsPoolFoStatsMaxReached)	long	The value of tmnxDhcpsPoolFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsPoolFoStatsPeerConflict)	long	The value of tmnxDhcpsPoolFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP Address Pool instance.
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsPoolFoStatsPersistCong)	long	The value of tmnxDhcpsPoolFoStatsPersistCong indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP Address Pool instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsPoolFoStatsRangeNFound)	long	The value of tmnxDhcpsPoolFoStatsRangeNFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.
shutdownPkts [Shutdown Pkts] (tmnxDhcpsPoolFoStatsFoShutdown)	long	The value of tmnxDhcpsPoolFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsPoolFoStatsSubnetNFound)	long	The value of tmnxDhcpsPoolFoStatsSubnetNFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcpServerFailoverStats</p> <p>MIB entry name: tmnxDhcpsFoStatsEntry</p> <p>Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Server instance. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxDhcpsFoStatsTable): The tmnxDhcpsFoStatsTable contains statistics about the DHCP failover facility. The tmnxDhcpsFoStatsTable has an entry for each DHCP server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcpServerFailover</p>		
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsFoStatsAddressConflict)	long	The value of tmnxDhcpsFoStatsAddressConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsFoStatsDropInvalidPkts)	long	The value of tmnxDhcpsFoStatsDropInvalidPkts indicates how many BNDUPD packets were dropped because the packet was malformed.
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsFoStatsHostConflict)	long	The value of tmnxDhcpsFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsFoStatsExpired)	long	The value of tmnxDhcpsFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsFoStatsLeaseNotFound)	long	The value of tmnxDhcpsFoStatsLeaseNotFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsFoStatsMaxReached)	long	The value of tmnxDhcpsFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsFoStatsPeerConflict)	long	The value of tmnxDhcpsFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance.
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsFoStatsPersistCongest)	long	The value of tmnxDhcpsFoStatsPersistCongest indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP server instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsFoStatsRangeNotFound)	long	The value of tmnxDhcpsFoStatsSubnetNotFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.
shutdownPkts [Shutdown Pkts] (tmnxDhcpsFoStatsFoShutdown)	long	The value of tmnxDhcpsFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsFoStatsSubnetNotFound)	long	The value of tmnxDhcpsFoStatsSubnetNotFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcpServerPoolStats</p> <p>MIB entry name: tmnxDhcpSvrPoolStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrPoolStatsTable represents additional columns of operational data for a pool that belongs to the specified DHCP server instance.</p> <p>Table description (for tmnxDhcpSvrPoolStatsTable): The tmnxDhcpSvrPoolStatsTable has an entry for each pool that belongs to the specified DHCP server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.AddressPool</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrPoolStatsDeclined)	long	The value of tmnxDhcpSvrPoolStatsDeclined indicates the number of addresses in this pool that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrPoolStatsHasExt)	boolean	The value of tmnxDhcpSvrPoolStatsHasExt indicates whether the extended statistics collection for this pool is enabled.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFRPending)	long	The value of tmnxDhcpSvrPoolStatsFRPending indicates the number of leases in this pool that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrPoolStatsFree)	long	The value of tmnxDhcpSvrPoolStatsFree indicates the number of addresses in this pool that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrPoolStatsOfferP)	long	The value of tmnxDhcpSvrPoolStatsOfferP indicates the highest value of tmnxDhcpSvrPoolStatsOffered since the last reset of the extended statistics.
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctP)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrPoolStatsFoUsdPct since the last reset of the extended statistics.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctP)	int	The value of tmnxDhcpSvrPoolStatsUsedPctP indicates the highest value of tmnxDhcpSvrPoolStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferP)	long	The value of tmnxDhcpSvrPoolStatsFoOfferP indicates the highest value of tmnxDhcpSvrPoolStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStableP)	long	The value of tmnxDhcpSvrPoolStatsFoStableP indicates the highest value of tmnxDhcpSvrPoolStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrPoolStatsStableP)	long	The value of tmnxDhcpSvrPoolStatsStableP indicates the highest value of tmnxDhcpSvrPoolStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrPoolStatsProv)	long	The value of tmnxDhcpSvrPoolStatsProv indicates the total number of local addresses in this pool that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctP)	int	The value of tmnxDhcpSvrPoolStatsFreePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctP)	int	The value of tmnxDhcpSvrPoolStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedP)	long	The value of tmnxDhcpSvrPoolStatsFoUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrPoolStatsUsedP)	long	The value of tmnxDhcpSvrPoolStatsUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLeases [Offered Leases] (tmnxDhcpSvrPoolStatsOffered)	long	The value of tmnxDhcpSvrPoolStatsOffered indicates the number of leases in this pool that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePct)	int	The value of tmnxDhcpSvrPoolStatsFreePct indicates the percentage of subnets currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePct)	int	The value of tmnxDhcpSvrPoolStatsFoFrePct indicates the percentage of remote subnets currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPct)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPct indicates the percentage of remote subnets currently in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPct)	int	The value of tmnxDhcpSvrPoolStatsUsedPct indicates the percentage of subnets currently in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrPoolStatsFreeP)	long	The value of tmnxDhcpSvrPoolStatsFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreeP)	long	The value of tmnxDhcpSvrPoolStatsFoFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrPoolStatsFoDeclined)	long	The value of tmnxDhcpSvrPoolStatsFoDeclined indicates the number of remote addresses in this pool that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFoFRPend)	long	The value of tmnxDhcpSvrPoolStatsFoFRPend indicates the number of remote leases in this pool that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFree)	long	The value of tmnxDhcpSvrPoolStatsFoFree indicates the number of remote addresses in this pool that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOffered)	long	The value of tmnxDhcpSvrPoolStatsFoOffered indicates the number of remote leases in this pool that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrPoolStatsFoProv)	long	The value of tmnxDhcpSvrPoolStatsFoProv indicates the total number of remote addresses in this pool that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrPoolStatsFoRemPend)	long	The value of tmnxDhcpSvrPoolStatsFoRemPend indicates the number of remote leases in this pool that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStable)	long	The value of tmnxDhcpSvrPoolStatsFoStable indicates the number of remote leases in this pool that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrPoolStatsRemPending)	long	The value of tmnxDhcpSvrPoolStatsRemPending indicates the number of leases in this pool that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrPoolStatsStable)	long	The value of tmnxDhcpSvrPoolStatsStable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrPoolStatsExtResetT)	long	The value of tmnxDhcpSvrPoolStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrPoolStatsFreePT)	long	The value of tmnxDhcpSvrPoolStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrPoolStatsOfferPT)	long	The value of tmnxDhcpSvrPoolStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctPT)	long	The value of tmnxDhcpSvrPoolStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctPT)	long	The value of tmnxDhcpSvrPoolStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFrePctP.
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsdPctP.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreePT)	long	The value of tmnxDhcpSvrPoolStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferPT)	long	The value of tmnxDhcpSvrPoolStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStablePT)	long	The value of tmnxDhcpSvrPoolStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsedP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrPoolStatsUsedPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedP.
timeSinceStableLeases [Time Since Stable Leases] (tmnxDhcpSvrPoolStatsStablePT)	long	The value of tmnxDhcpSvrPoolStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsStableP.
usedLeases [Used Leases] (tmnxDhcpSvrPoolStatsUsed)	long	The value of tmnxDhcpSvrPoolStatsUsed indicates the number of provisioned and used subnets.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrPoolStatsFoUsed)	long	The value of tmnxDhcpSvrPoolStatsFoUsed indicates the number of provisioned and used remote subnets.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LocalDhcpServerStats MIB entry name: tmnxDhcpServerStatsEntry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServer		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
dropAudit [Drop Audit] (tmnxDhcpSvrStatsDropAudit)	long	The value of tmnxDhcpSvrStatsDropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.
dropIntConflicts [Drop Int Conflicts] (tmnxDhcpSvrStatsDropIntConflicts)	long	The value of tmnxDhcpSvrStatsDropIntConflicts indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropMaxReached [Drop Max Reached] (tmnxDhcpSvrStatsDropMaxReached)	long	The value of tmnxDhcpSvrStatsDropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
dropNoSubnet [Drop No Subnet] (tmnxDhcpSvrStatsDropNoSubnet)	long	The value of tmnxDhcpSvrStatsDropNoSubnet indicates the number of DHCP packets dropped by the server instance for user-db hosts with a fixed address because the subnet to which the address belongs is not configured.
dropSvrDown [Drop Svr Down] (tmnxDhcpSvrStatsDropSvrDown)	long	The value of tmnxDhcpSvrStatsDropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
dropTxFailed [Drop Tx Failed] (tmnxDhcpSvrStatsDropTxFailed)	long	The value of tmnxDhcpSvrStatsDropTxFailed indicates the number of DHCP responses dropped because this server instance could not transmit it.
droppedDhcpReqDiffGatewayIP [Dropped Dhcp Req Diff Gateway IP] (tmnxDhcpSvrStatsDropDuplDiffGi)	long	The value of tmnxDhcpSvrStatsDropDuplDiffGi indicates the number of DHCP requests dropped by the server instance because they were received from a different Gateway IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
internalCallsFailoverDropped [Internal Calls Failover Dropped] (tmnxDhcpSvrStatsDropIntWithFo)	long	The value of tmnxDhcpSvrStatsDropIntWithFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalCallsLocalUserDbDropped [Internal Calls Local User Db Dropped] (tmnxDhcpSvrStatsDropIntWithLudb)	long	The value of tmnxDhcpSvrStatsDropIntWithLudb indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because a local user database is attached to the server instance.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpInternalReleases [Received Dhcp Internal Releases] (tmnxDhcpSvrStatsRxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDhcpInternalRequests [Received Dhcp Internal Requests] (tmnxDhcpSvrStatsRxIntRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntRequests indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUse-GiAddress was disabled.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllow)	long	The value of tmnxDhcpSvrStatsDropUserNotAllow indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrSubnetStatsOfferP)	long	The value of tmnxDhcpSvrSubnetStatsOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsOffered since the last reset of the extended statistics.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctP)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrSubnetStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctP)	int	The value of tmnxDhcpSvrSubnetStatsUsedPctP indicates the highest value of tmnxDhcpSvrSubnetStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferP)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStableP)	long	The value of tmnxDhcpSvrSubnetStatsFoStableP indicates the highest value of tmnxDhcpSvrSubnetStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStatsStableP)	long	The value of tmnxDhcpSvrSubnetStatsStableP indicates the highest value of tmnxDhcpSvrSubnetStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrSubnetStatsProv)	long	The value of tmnxDhcpSvrSubnetStatsProv indicates the total number of local addresses in this subnet that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctP)	int	The value of tmnxDhcpSvrSubnetStatsFreePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctP)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedP)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoUsed since the last reset of the extended statistics.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrSubnetStatsUsedP)	long	The value of tmnxDhcpSvrSubnetStatsUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsUsed since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePct)	int	The value of tmnxDhcpSvrSubnetStatsFreePct indicates the percentage of addresses in this subnet currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePct)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePct indicates the percentage of remote addresses in this subnet that are currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPct)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPct indicates the percentage of remote addresses in this subnet that are in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPct)	int	The value of tmnxDhcpSvrSubnetStatsUsedPct indicates the percentage of addresses in this subnet in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrSubnetStatsFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFreeP indicates the peak number of addresses in this subnet that are free since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFoFreeP indicates the peak number of remote addresses in this subnet that are free since the last reset of the extended statistics.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrSubnetStatsFoDeclined)	long	The value of tmnxDhcpSvrSubnetStatsFoDeclined indicates the number of remote addresses in this subnet that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFoFRPend)	long	The value of tmnxDhcpSvrSubnetStatsFoFRPend indicates the number of remote leases in this subnet that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFree)	long	The value of tmnxDhcpSvrSubnetStatsFoFree indicates the number of remote addresses in this subnet that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOffered)	long	The value of tmnxDhcpSvrSubnetStatsFoOffered indicates the number of remote leases in this subnet that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrSubnetStatsFoProv)	long	The value of tmnxDhcpSvrSubnetStatsFoProv indicates the total number of remote addresses in this subnet that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrSubnetStatsFoRemPend)	long	The value of tmnxDhcpSvrSubnetStatsFoRemPend indicates the number of remote leases in this subnet that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStable)	long	The value of tmnxDhcpSvrSubnetStatsFoStable indicates the number of remote leases in this subnet that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStatsExtResetT)	long	The value of tmnxDhcpSvrSubnetStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrSubnetStatsFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrSubnetStatsOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFrePctP.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStablePT)	long	The value of tmnxDhcpSvrSubnetStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsedP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStatsStablePT)	long	The value of tmnxDhcpSvrSubnetStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsStableP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrSubnetStatsUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedP.

Table 405 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrSubnetStatsUsed)	long	The value of tmnxDhcpSvrSubnetStatsUsed indicates the number of leases in this subnet that are in use.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrSubnetStatsFoUsed)	long	The value of tmnxDhcpSvrSubnetStatsFoUsed indicates the number of remote leases in this subnet that are in use.

Table 406 diameter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DiameterPeerStats</p> <p>MIB entry name: tmnxDiamPlcyPeerStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics about a peer defined in a DIAMETER policy. Entries in this table are created and removed automatically by the system</p> <p>Table description (for tmnxDiamPlcyPeerStatsTable): The tmnxDiamPlcyPeerStatsTable contains detailed statistics about the peers defined in a DIAMETER policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: diameter.DiameterPeer</p>		
asaTx [Asa Tx] (tmnxDiamPeerStAsaTx)	long	The value of tmnxDiamPeerStAsaTx indicates the number of Abort-Session-Answer messages that are transmitted to the server.
asrRx [Asr Rx] (tmnxDiamPeerStAsrRx)	long	The value of tmnxDiamPeerStAsrRx indicates the number of Abort-Session-Request messages that are received from the server.
ccaInitialRx [Cca Initial Rx] (tmnxDiamPeerStCcaInitialRx)	long	The value of tmnxDiamPeerStCcaInitialRx indicates the number of Credit Control Answer messages in response to the CCR INITIAL_REQUEST that are received from the server.
ccaTerminateRx [Cca Terminate Rx] (tmnxDiamPeerStCcaTerminateRx)	long	The value of tmnxDiamPeerStCcaTerminateRx indicates the number of Credit Control Answer messages in response to the CCR TERMINATION_REQUEST that are received from the server.
ccaUpdateRx [Cca Update Rx] (tmnxDiamPeerStCcaUpdateRx)	long	The value of tmnxDiamPeerStCcaUpdateRx indicates the number of Credit Control Answer messages in response to the CCR UPDATE_REQUEST that are received from the server.

Table 406 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ccrInitialTx [Ccr Initial Tx] (tmnxDiamPeerStCcrInitialTx)	long	The value of tmnxDiamPeerStCcrInitialTx indicates the number of Credit Control Request messages with CC-Request-Type AVP equal to INITIAL_REQUEST that are transmitted to the server.
ccrTerminateTx [Ccr Terminate Tx] (tmnxDiamPeerStCcrTerminateTx)	long	The value of tmnxDiamPeerStCcrTerminateTx indicates the number of Credit Control Request messages with CC-Request-Type AVP equal to TERMINATION_REQUEST that are transmitted to the server.
ccrUpdateTx [Ccr Update Tx] (tmnxDiamPeerStCcrUpdateTx)	long	The value of tmnxDiamPeerStCcrUpdateTx indicates the number of Credit Control Request messages with CC-Request-Type AVP equal to UPDATE_REQUEST that are transmitted to the server.
ceaRx [Cea Rx] (tmnxDiamPeerStCeaRx)	long	The value of tmnxDiamPeerStCeaRx indicates the number of Capabilities-Exchange-Answer messages that are received from the server.
cerTx [Cer Tx] (tmnxDiamPeerStCerTx)	long	The value of tmnxDiamPeerStCerTx indicates the number of Capabilities-Exchange-Request messages that are transmitted to the server.
clientInitiatedPendingMsgsPMQ [Client Initiated Pending Msgs PMQ] (tmnxDiamPeerStCiPendMsgsPMQ)	long	The value of tmnxDiamPeerStCiPendMsgsPMQ indicates client initiated roundtrip DIAMETER statistics regarding the number of request messages in the Pending Message Queue waiting to be matched with corresponding response messages from the server.
clientInitiatedReqTimeoutsPMQ [Client Initiated Req Timeouts PMQ] (tmnxDiamPeerStCiReqTimeoutsPMQ)	long	The value of tmnxDiamPeerStCiReqTimeoutsPMQ indicates client initiated roundtrip DIAMETER statistics regarding the number of request messages that were removed from the Pending Message Queue due to a match timeout.
dpaRx [Dpa Rx] (tmnxDiamPeerStDpaRx)	long	The value of tmnxDiamPeerStDpaRx indicates the number of Disconnect-Peer-Answer messages that are received from the server.

Table 406 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpaTx [Dpa Tx] (tmnxDiamPeerStDpaTx)	long	The value of tmnxDiamPeerStDpaTx indicates the number of Disconnect-Peer-Answer messages that are transmitted to the server.
dprRx [Dpr Rx] (tmnxDiamPeerStDprRx)	long	The value of tmnxDiamPeerStDprRx indicates the number of Disconnect-Peer-Request messages that are received from the server.
dprTx [Dpr Tx] (tmnxDiamPeerStDprTx)	long	The value of tmnxDiamPeerStDprTx indicates the number of Disconnect-Peer-Request messages that are transmitted to the server.
peerName [Peer Name] (tmnxDiamPlcyPeerName)	String	The value of tmnxDiamPlcyPeerName specifies the name of the peer within a DIAMETER policy.
policyName [Policy Name] (tmnxDiamPlcyName)	String	The value of tmnxDiamPlcyName specifies the name of the DIAMETER policy.
raaTx [Raa Tx] (tmnxDiamPeerStRaaTx)	long	The value of tmnxDiamPeerStRaaTx indicates the number of Re-Auth-Answer messages that are transmitted to the server.
rarRx [Rar Rx] (tmnxDiamPeerStRarRx)	long	The value of tmnxDiamPeerStRarRx indicates the number of Re-Auth-Request messages that are received from the server.
siDiameterRxDropCount [Si Diameter Rx Drop Count] (tmnxDiamPeerStSiDiamRxDropCnt)	long	The value of tmnxDiamPeerStSiDiamRxDropCnt indicates client initiated roundtrip DIAMETER statistics regarding the number of dropped request messages upon reception from server.

Table 406 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
siDiameterRxRequests [Si Diameter Rx Requests] (tmnxDiamPeerStSiDiamRxReqs)	long	The value of tmnxDiamPeerStSiDiamRxReqs indicates client initiated roundtrip DIAMETER statistics regarding the number of request messages received from server.
siDiameterTxResponses [Si Diameter Tx Responses] (tmnxDiamPeerStSiDiamTxResps)	long	The value of tmnxDiamPeerStSiDiamTxResps indicates client initiated roundtrip DIAMETER statistics regarding the number of response messages sent to server.
siTcpSendFailed [Si Tcp Send Failed] (tmnxDiamPeerStSiTcpSendFailed)	long	The value of tmnxDiamPeerStSiTcpSendFailed indicates client initiated roundtrip DIAMETER statistics regarding the number of TCP send failures.
wdaRx [Wda Rx] (tmnxDiamPeerStWdaRx)	long	The value of tmnxDiamPeerStWdaRx indicates the number of Device-Watchdog-Answer messages that are received from the server.
wdaTx [Wda Tx] (tmnxDiamPeerStWdaTx)	long	The value of tmnxDiamPeerStWdaTx indicates the number of Device-Watchdog-Answer messages that are transmitted to the server.
wdrRx [Wdr Rx] (tmnxDiamPeerStWdrRx)	long	The value of tmnxDiamPeerStWdrRx indicates the number of Device-Watchdog-Request messages that are received from the server.
wdrTx [Wdr Tx] (tmnxDiamPeerStWdrTx)	long	The value of tmnxDiamPeerStWdrTx indicates the number of Device-Watchdog-Request messages that are transmitted to the server.

Table 407 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardResourceStats</p> <p>MIB entry name: tCardResEntry</p> <p>Entry description: The value of tCardResEntry represents card specific system resource information.</p> <p>Table description (for tCardResTable): The value of tCardResTable represents system resource information that are specific to a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tCardResFPIngQGrpInstAlloc)	long	The value of tCardResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are currently provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tCardResFPIngQGrpInstTotal)	long	The value of tCardResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are allowed to be provisioned. When the value of tCardResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
hsmdaQOvrAlloc [Hsmda QOvr Alloc] (tCardResHsmdaQOvrAlloc)	long	The value of tCardResHsmdaQOvrAlloc represents the total number of HSMDA queue overrides that are currently allocated on this card.
hsmdaQOvrTotal [Hsmda QOvr Total] (tCardResHsmdaQOvrTotal)	long	The value of tCardResHsmdaQOvrTotal represents the total number of HSMDA queue overrides that are supported on this card. When the value of tCardResHsmdaQOvrTotal is zero, it indicates that this resource type is not supported on this card.
portAccEgrQGrpInstAlloc [Port Acc Egr QGrp Inst Alloc] (tCardResPortAccEgrQGrpInstAlloc)	long	The value of tCardResPortAccEgrQGrpInstAlloc represents the total number of port access egress queue-group instances across all ports on this card that are currently provisioned.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccEgrQGrpInstTotal [Port Acc Egr QGrp Inst Total] (tCardResPortAccEgrQGrpInstTotal)	long	The value of tCardResPortAccEgrQGrpInstTotal represents the total number of port access egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortAccEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tCardResPortEgrQGrpInstAlloc)	long	The value of tCardResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tCardResPortEgrQGrpInstTotal)	long	The value of tCardResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are allowed to be provisioned. When the value of tCardResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrVPortAlloc [Port Egr VPort Alloc] (tCardResPortEgrVPortAlloc)	long	The value of tCardResPortEgrVPortAlloc represents the total number of egress virtual ports across all ports on this card that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tCardResPortEgrVPortTotal)	long	The value of tCardResPortEgrVPortTotal represents the total number of egress virtual ports across all ports on this card that are allowed to be provisioned. When the value of tCardResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this card.
portNetEgrQGrpInstAlloc [Port Net Egr QGrp Inst Alloc] (tCardResPortNetEgrQGrpInstAlloc)	long	The value of tCardResPortNetEgrQGrpInstAlloc represents the total number of port network egress queue-group instances across all ports on this card that are currently provisioned.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpInstTotal [Port Net Egr QGrp Inst Total] (tCardResPortNetEgrQGrpInstTotal)	long	The value of tCardResPortNetEgrQGrpInstTotal represents the total number of port network egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortNetEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
qosIntSchedsAlloc [Qos Int Scheds Alloc] (tCardResQosIntSchedsAlloc)	long	The value of tCardResQosIntSchedsAlloc represents the total number of QoS internal virtual schedulers that are currently allocated on this card.
qosIntSchedsTotal [Qos Int Scheds Total] (tCardResQosIntSchedsTotal)	long	The value of tCardResQosIntSchedsTotal represents the total number of QoS internal virtual schedulers that are supported on this card. When the value of tCardResQosIntSchedsTotal is zero, it indicates that this resource type is not supported on this card.
qosUserSchedsAlloc [Qos User Scheds Alloc] (tCardResQosUserSchedsAlloc)	long	The value of tCardResQosUserSchedsAlloc represents the total number of QoS user virtual schedulers that are currently allocated on this card.
qosUserSchedsTotal [Qos User Scheds Total] (tCardResQosUserSchedsTotal)	long	The value of tCardResQosUserSchedsTotal represents the total amount of QoS user virtual schedulers that are supported on this card. When the value of tCardResQosUserSchedsTotal is zero, it indicates that this resource type is not supported on this card.
subSPIQosOvrAlloc [Sub SPIQos Ovr Alloc] (tCardResSubSPIQosOvrAlloc)	long	The value of tCardResSubSPIQosOvrAlloc represents the total number of QoS subscriber sla-profile instance overrides that are currently allocated on this card.
subSPIQosOvrTotal [Sub SPIQos Ovr Total] (tCardResSubSPIQosOvrTotal)	long	The value of tCardResSubSPIQosOvrTotal represents the total number of QoS subscriber sla-profile instance overrides that are supported on this card. When the value of tCardResSubSPIQosOvrTotal is zero, it indicates that this resource type is not supported on this card.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ChassisResourceStats</p> <p>MIB entry name: tChassisResEntry</p> <p>Entry description: The value of tChassisResEntry represents chassis specific system resource information.</p> <p>Table description (for tChassisResTable): The value of tChassisResTable represents system resource information that are specific to chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
egrQGrpTplAlloc [Egr QGrp Tmpl Alloc] (tChassisResEgrQGrpTplAlloc)	long	The value of tChassisResEgrQGrpTplAlloc represents the total number of egress queue-group-templates that are currently provisioned on this chassis.
egrQGrpTplTotal [Egr QGrp Tmpl Total] (tChassisResEgrQGrpTplTotal)	long	The value of tChassisResEgrQGrpTplTotal represents the total number of egress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResEgrQGrpTplTotal is zero, it indicates that this resource type is not supported on this chassis.
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tChassisResFPIngQGrpInstAlloc)	long	The value of tChassisResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tChassisResFPIngQGrpInstTotal)	long	The value of tChassisResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
ingQGrpTplAlloc [Ing QGrp Tmpl Alloc] (tChassisResIngQGrpTplAlloc)	long	The value of tChassisResIngQGrpTplAlloc represents the total number of ingress queue-group-templates that are currently provisioned on this chassis.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQGrpTmplTotal [Ing QGrp Tmpl Total] (tChassisResIngQGrpTmplTotal)	long	The value of tChassisResIngQGrpTmplTotal represents the total number of ingress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResIngQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tChassisResPortEgrQGrpInstAlloc)	long	The value of tChassisResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tChassisResPortEgrQGrpInstTotal)	long	The value of tChassisResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrVPortAlloc [Port Egr VPort Alloc] (tChassisResPortEgrVPortAlloc)	long	The value of tChassisResPortEgrVPortAlloc represents the total number of port virtual ports across all the ports on this chassis that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tChassisResPortEgrVPortTotal)	long	The value of tChassisResPortEgrVPortTotal represents the total number of egress virtual ports across all the ports on this chassis that are allowed to be provisioned. When the value of tChassisResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this chassis.
sapEgrQosPolAlloc [Sap Egr Qos Pol Alloc] (tChassisResSapEgrQosPolAlloc)	long	The value of tChassisResSapEgrQosPolAlloc represents the total number of sap-egress QoS policies that are currently provisioned on this chassis.
sapEgrQosPolTotal [Sap Egr Qos Pol Total] (tChassisResSapEgrQosPolTotal)	long	The value of tChassisResSapEgrQosPolTotal represents the total number of sap-egress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapEgrQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tChassisResSapIngQosPolAlloc)	long	The value of tChassisResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently provisioned on this chassis.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tChassisResSapIngQosPolTotal)	long	The value of tChassisResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapIngQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
<p>CiscoHDLCStats</p> <p>MIB entry name: tmnxCiscoHDLCStatsEntry</p> <p>Entry description: An entry in the tmnxCiscoHDLCStatsTable.</p> <p>Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel 		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.
<p>CpuUtilizationStats</p> <p>MIB entry name: tmnxCardCpuResMonitorEntry</p> <p>Entry description: The tmnxCardCpuResMonitorEntry contains the card level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxCardCpuResMonitorTable): The tmnxCardCpuResMonitorTable details the specified current card's CPU resources. The information described in this table is volatile and dependent on the current environmental conditions, and specified sample-time. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
busyCoreUtil [Busy Core Util] (tmnxCardCpuResMonBusyCoreUtil)	double	The value of tmnxCardCpuResMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
busyGroupName [Busy Group Name] (tmnxCardCpuResMonBusyGroupName)	String	The value of tmnxCardCpuResMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxCardCpuResMonBusyGroupUtil.
busyGroupUtil [Busy Group Util] (tmnxCardCpuResMonBusyGroupUtil)	double	The value of tmnxCardCpuResMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxCardCpuResMonBusyGroupName.
cardSlotId [Card Slot Id] (tmnxCardResourceSlotNum)	long	The value of tmnxCardResourceSlotNum specifies the slot number of the card to which the resource information is monitored.
cpuidle [Cpu Idle] (tmnxCardCpuResMonCpuIdle)	double	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
samplingTime [Sampling Time] (tmnxCardCpuResSampleTime)	int	The value of tmnxCardCpuResSampleTime specifies the sample-time used to calculate the utilization results for the row.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF. For 100G MSA Transponder, the supply voltage is in millivolts (mV). For all other types the voltage is in deci-millivolts (1/10th of a millivolt or 100 microvolt units). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: tmnxDDMSupplyVoltage * conversion_factor Externally Calibrated: (tmnxDDMSupplyVoltage * (tmnxDDMExtCalVoltageSlope / 256) + tmnxDDMExtCalVoltageOffset) * conversion_factor where conversion_factor is 1/1000 for 100G MSA transponders and 1/10000 for all the others. For example (internally calibrated SFF): 1. For 100G MSA transponders, the SNMP value 32851 is 32.851 Volts (V). 2. For all others, the SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: tmnxDDMTemperature / 256 Externally Calibrated: (tmnxDDMTemperature * (tmnxDDMExtCalTemperatureSlope / 256) + tmnxDDMExtCalTemperatureOffset) / 256 For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: tmnxDDMTxBiasCurrent / 500 Externally Calibrated: (tmnxDDMTxBiasCurrent * (tmnxDDMExtCalTxLaserBiasSlope / 256) + tmnxDDMExtCalTxLaserBiasOffset) / 500 For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpEvpnRoutes [Bgp Evpn Routes] (vRtrFibStatBGPEvpnRoutes)	long	The value of vRtrFibStatBGPEvpnRoutes indicates the current IPv4 BGP EVPN route counts for the virtual router.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ForwardingPlaneResourceStats MIB entry name: tFPResEntry Entry description: The value of tFPResEntry represents forwarding plane (FP) specific system resource information. Table description (for tFPResTable): The value of tFPResTable represents system resource information that are specific to forwarding plane (FP) for a particular card on a given chassis. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • equipment.ForwardingPlane 		
dynEgrClassAlloc [Dyn Egr Class Alloc] (tFPResDynEgrClassAlloc)	long	The value of tFPResDynEgrClassAlloc represents the total number of QoS dynamic egress classification resources that are currently allocated on this FP.
dynEgrClassIUBNE [Dyn Egr Class IUBNE] (tFPResDynEgrClassIUBNE)	long	The value of tFPResDynEgrClassIUBNE represents the subset of resources which are currently in use by network egress QoS classification out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc. A network egress QoS classification resource is consumed whenever a network QoS policy has at least one egress DSCP or prec classification rule provisioned.
dynEgrClassIUBSE [Dyn Egr Class IUBSE] (tFPResDynEgrClassIUBSE)	long	The value of tFPResDynEgrClassIUBSE represents the subset of resources which are currently in use by sap-egress QoS policies out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc.
dynEgrClassTotal [Dyn Egr Class Total] (tFPResDynEgrClassTotal)	long	The value of tFPResDynEgrClassTotal represents the total number of QoS dynamic egress classification resources that are allowed to be in use on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynPolicerAlloc [Dyn Policer Alloc] (tFPResDynPolicerAlloc)	long	The value of tFPResDynPolicerAlloc represents the total number of dynamic policers that are currently allocated on this FP.
dynPolicerIUBE [Dyn Policer IUBE] (tFPResDynPolicerIUBE)	long	The value of tFPResDynPolicerIUBE represents the subset of resources which are currently in use by egress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerIUBI [Dyn Policer IUBI] (tFPResDynPolicerIUBI)	long	The value of tFPResDynPolicerIUBI represents the subset of resources which are currently in use by ingress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerStatAlloc [Dyn Policer Stat Alloc] (tFPResDynPolicerStatAlloc)	long	The value of tFPResDynPolicerStatAlloc represents the total number of dynamic policers stats that are currently allocated on this FP.
dynPolicerStatIUBE [Dyn Policer Stat IUBE] (tFPResDynPolicerStatIUBE)	long	The value of tFPResDynPolicerStatIUBE represents the subset of resources which are currently in use by egress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatIUBI [Dyn Policer Stat IUBI] (tFPResDynPolicerStatIUBI)	long	The value of tFPResDynPolicerStatIUBI represents the subset of resources which are currently in use by ingress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatTotal [Dyn Policer Stat Total] (tFPResDynPolicerStatTotal)	long	The value of tFPResDynPolicerStatTotal represents the total number of dynamic policer stats that are supported on this FP. When the value of tFPResDynPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
dynPolicerTotal [Dyn Policer Total] (tFPResDynPolicerTotal)	long	The value of tFPResDynPolicerTotal represents the total number of dynamic policer that are supported on this FP. When the value of tFPResDynPolicerTotal is zero, it indicates that this resource type is not supported on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQ2NamedPoolAlloc [Dyn Q2 Named Pool Alloc] (tFPResDynQ2NamedPoolAlloc)	long	The value of tFPResDynQ2NamedPoolAlloc represents the total number of dynamic Q2 named pools that are currently allocated on this FP.
dynQ2NamedPoolIUBE [Dyn Q2 Named Pool IUBE] (tFPResDynQ2NamedPoolIUBE)	long	The value of tFPResDynQ2NamedPoolIUBE represents the subset of resources which are currently in use by egress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolIUBI [Dyn Q2 Named Pool IUBI] (tFPResDynQ2NamedPoolIUBI)	long	The value of tFPResDynQ2NamedPoolIUBI represents the subset of resources which are currently in use by ingress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolTotal [Dyn Q2 Named Pool Total] (tFPResDynQ2NamedPoolTotal)	long	The value of tFPResDynQ2NamedPoolTotal represents the total number of dynamic Q2 named pools that are supported on this FP. When the value of tFPResDynQ2NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2WredPoolAlloc [Dyn Q2 Wred Pool Alloc] (tFPResDynQ2WredPoolAlloc)	long	The value of tFPResDynQ2WredPoolAlloc represents the total number of dynamic Q2 wred pools that are currently allocated on this FP.
dynQ2WredPoolTotal [Dyn Q2 Wred Pool Total] (tFPResDynQ2WredPoolTotal)	long	The value of tFPResDynQ2WredPoolTotal represents the total number of dynamic Q2 wred pools that are supported on this FP. When the value of tFPResDynQ2WredPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQueueAlloc [Dyn Queue Alloc] (tFPResDynQueueAlloc)	long	The value of tFPResDynQueueAlloc represents the total number of dynamic queues that are currently allocated on this FP.
dynQueueIUBE [Dyn Queue IUBE] (tFPResDynQueueIUBE)	long	The value of tFPResDynQueueIUBE represents the subset of resources which are currently in use by egress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQueueIUBI [Dyn Queue IUBI] (tFPResDynQueueIUBI)	long	The value of tFPResDynQueueIUBI represents the subset of resources which are currently in use by ingress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueTotal [Dyn Queue Total] (tFPResDynQueueTotal)	long	The value of tFPResDynQueueTotal represents the total number of dynamic queues that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
dynSvcEntryAlloc [Dyn Svc Entry Alloc] (tFPResDynSvcEntryAlloc)	long	The value of tFPResDynSvcEntryAlloc represents the total number of dynamic services that are currently allocated on this FP. The value of tFPResDynSvcEntryAlloc will always equal to the sum of tFPResSubHostAlloc, tFPResEncapGrpMemberAlloc and tFPResEgrNetQGrpMapAlloc since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
dynSvcEntryTotal [Dyn Svc Entry Total] (tFPResDynSvcEntryTotal)	long	The value of tFPResDynSvcEntryTotal represents the total number of dynamic services that are supported on this FP. When the value of tFPResDynSvcEntryTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResDynSvcEntryTotal will always equal to the sum of tFPResSubHostTotal, tFPResEncapGrpMemberTotal and tFPResEgrNetQGrpMapTotal since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
egrAclEntryAlloc [Egr Acl Entry Alloc] (tFPResEgrAclEntryAlloc)	long	The value of tFPResEgrAclEntryAlloc represents the total number of egress ACL CAM entries that are currently allocated on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAclEntryTotal [Egr Acl Entry Total] (tFPResEgrAclEntryTotal)	long	The value of tFPResEgrAclEntryTotal represents the total number of egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclFilterAlloc [Egr Acl Filter Alloc] (tFPResEgrAclFilterAlloc)	long	The value of tFPResEgrAclFilterAlloc represents the total number of egress ACL filters entries that are currently allocated on this FP.
egrAclFilterTotal [Egr Acl Filter Total] (tFPResEgrAclFilterTotal)	long	The value of tFPResEgrAclFilterTotal represents the total number of egress ACL filters entries that are supported on this FP. When the value of tFPResEgrAclFilterTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclQosEntryAlloc [Egr Acl Qos Entry Alloc] (tFPResEgrAclQosEntryAlloc)	long	The value of tFPResEgrAclQosEntryAlloc represents the total number of combined egress ACL and QoS CAM entries that are currently allocated on this FP.
egrAclQosEntryTotal [Egr Acl Qos Entry Total] (tFPResEgrAclQosEntryTotal)	long	The value of tFPResEgrAclQosEntryTotal represents the total number of combined egress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResEgrAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6AclEntryAlloc [Egr IPv 6 Acl Entry Alloc] (tFPResEgrIPv6AclEntryAlloc)	long	The value of tFPResEgrIPv6AclEntryAlloc represents the total number of IPv6 egress ACL CAM entries that are currently allocated on this FP.
egrIPv6AclEntryTotal [Egr IPv 6 Acl Entry Total] (tFPResEgrIPv6AclEntryTotal)	long	The value of tFPResEgrIPv6AclEntryTotal represents the total number of IPv6 egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6QosEntryAlloc [Egr IPv 6 Qos Entry Alloc] (tFPResEgrIPv6QosEntryAlloc)	long	The value of tFPResEgrIPv6QosEntryAlloc represents the total number of IPv6 egress QoS CAM entries that are currently allocated on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrIPv6QosEntryTotal [Egr IPv 6 Qos Entry Total] (tFPResEgrIPv6QosEntryTotal)	long	The value of tFPResEgrIPv6QosEntryTotal represents the total number of IPv6 egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrNetQGrpMapAlloc [Egr Net QGrp Map Alloc] (tFPResEgrNetQGrpMapAlloc)	long	The value of tFPResEgrNetQGrpMapAlloc represents the total number of egress network queue-group mappings that are currently allocated on this FP. The value of tFPResEgrNetQGrpMapAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since egress network queue-group mappings are subset of dynamic service entry resources.
egrNetQGrpMapTotal [Egr Net QGrp Map Total] (tFPResEgrNetQGrpMapTotal)	long	The value of tFPResEgrNetQGrpMapTotal represents the total number of egress network queue-group mappings that are supported on this FP. When the value of tFPResEgrNetQGrpMapTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEgrNetQGrpMapTotal will always be less than or equal to tFPResDynSvcEntryTotal since egress network queue-group mappings are subset of dynamic service entry resources.
egrPolicerAlloc [Egr Policer Alloc] (tFPResEgrPolicerAlloc)	long	The value of tFPResEgrPolicerAlloc represents the total number of egress policers that are currently allocated on this FP.
egrPolicerStatAlloc [Egr Policer Stat Alloc] (tFPResEgrPolicerStatAlloc)	long	The value of tFPResEgrPolicerStatAlloc represents the total number of egress policer stats that are currently allocated on this FP.
egrPolicerStatTotal [Egr Policer Stat Total] (tFPResEgrPolicerStatTotal)	long	The value of tFPResEgrPolicerStatTotal represents the total number of egress policer stats that are supported on this FP. When the value of tFPResEgrPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrPolicerTotal [Egr Policer Total] (tFPResEgrPolicerTotal)	long	The value of tFPResEgrPolicerTotal represents the total number of egress policers that are supported on this FP. When the value of tFPResEgrPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
egrQ1NamedPoolAlloc [Egr Q1 Named Pool Alloc] (tFPResEgrQ1NamedPoolAlloc)	long	The value of tFPResEgrQ1NamedPoolAlloc represents the total number of egress Q1 named pools that are currently allocated on this FP.
egrQ1NamedPoolTotal [Egr Q1 Named Pool Total] (tFPResEgrQ1NamedPoolTotal)	long	The value of tFPResEgrQ1NamedPoolTotal represents the total number of egress Q1 named pools that are supported on this FP. When the value of tFPResEgrQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
egrQosEntryAlloc [Egr Qos Entry Alloc] (tFPResEgrQosEntryAlloc)	long	The value of tFPResEgrQosEntryAlloc represents the total number of egress QoS CAM entries that are currently allocated on this FP.
egrQosEntryTotal [Egr Qos Entry Total] (tFPResEgrQosEntryTotal)	long	The value of tFPResEgrQosEntryTotal represents the total number of egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrQueueAlloc [Egr Queue Alloc] (tFPResEgrQueueAlloc)	long	The value of tFPResEgrQueueAlloc represents the total number of egress queues that are currently allocated on this FP.
egrQueueTotal [Egr Queue Total] (tFPResEgrQueueTotal)	long	The value of tFPResEgrQueueTotal represents the total number of egress queues that are supported on this FP. When the value of tFPResEgrQueueTotal is zero, it indicates that this resource type is not supported on this FP.
egrRootArbiterAlloc [Egr Root Arbiter Alloc] (tFPResEgrRootArbiterAlloc)	long	The value of tFPResEgrRootArbiterAlloc represents the total number of egress root arbiters that are currently allocated on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrRootArbiterTotal [Egr Root Arbiter Total] (tFPResEgrRootArbiterTotal)	long	The value of tFPResEgrRootArbiterTotal represents the total number of egress root arbiters that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
encapGrpMemberAlloc [Encap Grp Member Alloc] (tFPResEncapGrpMemberAlloc)	long	The value of tFPResEncapGrpMemberAlloc represents the total number of encap group members that are currently allocated on this FP. The value of tFPResEncapGrpMemberAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since encap group members are subset of dynamic service entry resources.
encapGrpMemberTotal [Encap Grp Member Total] (tFPResEncapGrpMemberTotal)	long	The value of tFPResEncapGrpMemberTotal represents the total number of encap group members that are supported on this FP. When the value of tFPResEncapGrpMemberTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEncapGrpMemberTotal will always be less than or equal to tFPResDynSvcEntryTotal since encap group members are subset of dynamic service entry resources.
ingAclEntryAlloc [Ing Acl Entry Alloc] (tFPResIngAclEntryAlloc)	long	The value of tFPResIngAclEntryAlloc represents the total number of ingress ACL CAM entries that are currently allocated on this FP.
ingAclEntryTotal [Ing Acl Entry Total] (tFPResIngAclEntryTotal)	long	The value of tFPResIngAclEntryTotal represents the total number of ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclFilterAlloc [Ing Acl Filter Alloc] (tFPResIngAclFilterAlloc)	long	The value of tFPResIngAclFilterAlloc represents the total number of ingress ACL filters entries that are currently allocated on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingAclFilterTotal [Ing Acl Filter Total] (tFPResIngAclFilterTotal)	long	The value of tFPResIngAclFilterTotal represents the total number of ingress ACL filters entries that are supported on this FP. When the value of tFPResIngAclFilterTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclQosEntryAlloc [Ing Acl Qos Entry Alloc] (tFPResIngAclQosEntryAlloc)	long	The value of tFPResIngAclQosEntryAlloc represents the total number of combined ingress ACL and QoS CAM entries that are currently allocated on this FP.
ingAclQosEntryTotal [Ing Acl Qos Entry Total] (tFPResIngAclQosEntryTotal)	long	The value of tFPResIngAclQosEntryTotal represents the total number of combined ingress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResIngAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6AclEntryAlloc [Ing IPv 6 Acl Entry Alloc] (tFPResIngIPv6AclEntryAlloc)	long	The value of tFPResIngIPv6AclEntryAlloc represents the total number of IPv6 ingress ACL CAM entries that are currently allocated on this FP.
ingIPv6AclEntryTotal [Ing IPv 6 Acl Entry Total] (tFPResIngIPv6AclEntryTotal)	long	The value of tFPResIngIPv6AclEntryTotal represents the total number of IPv6 ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6QosEntryAlloc [Ing IPv 6 Qos Entry Alloc] (tFPResIngIPv6QosEntryAlloc)	long	The value of tFPResIngIPv6QosEntryAlloc represents the total number of IPv6 ingress QoS CAM entries that are currently allocated on this FP.
ingIPv6QosEntryTotal [Ing IPv 6 Qos Entry Total] (tFPResIngIPv6QosEntryTotal)	long	The value of tFPResIngIPv6QosEntryTotal represents the total number of IPv6 ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPolicerAlloc [Ing Policer Alloc] (tFPResIngPolicerAlloc)	long	The value of tFPResIngPolicerAlloc represents the total number of ingress policers that are currently allocated on this FP.
ingPolicerStatAlloc [Ing Policer Stat Alloc] (tFPResIngPolicerStatAlloc)	long	The value of tFPResIngPolicerStatAlloc represents the total number of ingress policer stats that are currently allocated on this FP.
ingPolicerStatTotal [Ing Policer Stat Total] (tFPResIngPolicerStatTotal)	long	The value of tFPResIngPolicerStatTotal represents the total number of ingress policer stats that are supported on this FP. When the value of tFPResIngPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerTotal [Ing Policer Total] (tFPResIngPolicerTotal)	long	The value of tFPResIngPolicerTotal represents the total number of ingress policers that are supported on this FP. When the value of tFPResIngPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
ingQ1NamedPoolAlloc [Ing Q1 Named Pool Alloc] (tFPResIngQ1NamedPoolAlloc)	long	The value of tFPResIngQ1NamedPoolAlloc represents the total number of ingress Q1 named pools that are currently allocated on this FP.
ingQ1NamedPoolTotal [Ing Q1 Named Pool Total] (tFPResIngQ1NamedPoolTotal)	long	The value of tFPResIngQ1NamedPoolTotal represents the total number of ingress Q1 named pools that are supported on this FP. When the value of tFPResIngQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
ingQosEntryAlloc [Ing Qos Entry Alloc] (tFPResIngQosEntryAlloc)	long	The value of tFPResIngQosEntryAlloc represents the total number of ingress QoS CAM entries that are currently allocated on this FP.
ingQosEntryTotal [Ing Qos Entry Total] (tFPResIngQosEntryTotal)	long	The value of tFPResIngQosEntryTotal represents the total number of ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQueueAlloc [Ing Queue Alloc] (tFPResIngQueueAlloc)	long	The value of tFPResIngQueueAlloc represents the total number of ingress queues that are currently allocated on this FP.
ingQueueTotal [Ing Queue Total] (tFPResIngQueueTotal)	long	The value of tFPResIngQueueTotal represents the total number of ingress queues that are supported on this FP. When the value of tFPResIngQueueTotal is zero, it indicates that this resource type is not supported on this FP.
ingRootArbiterAlloc [Ing Root Arbiter Alloc] (tFPResIngRootArbiterAlloc)	long	The value of tFPResIngRootArbiterAlloc represents the total number of ingress root arbiters that are currently allocated on this FP.
ingRootArbiterTotal [Ing Root Arbiter Total] (tFPResIngRootArbiterTotal)	long	The value of tFPResIngRootArbiterTotal represents the total number of ingress root arbiters that are supported on this FP. When the value of tFPResIngRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
intArbiterAlloc [Int Arbiter Alloc] (tFPResIntArbiterAlloc)	long	The value of tFPResIntArbiterAlloc represents the total number of intermediate arbiters that are currently allocated on this FP.
intArbiterTotal [Int Arbiter Total] (tFPResIntArbiterTotal)	long	The value of tFPResIntArbiterTotal represents the total number of intermediate arbiters that are supported on this FP. When the value of tFPResIntArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
macFdbRecAlloc [Mac Fdb Rec Alloc] (tFPResMacFdbRecAlloc)	long	The value of tFPResMacFdbRecAlloc represents the total number of MAC Forwarding Data-Base (FDB) records that are currently allocated on this FP.
macFdbRecTotal [Mac Fdb Rec Total] (tFPResMacFdbRecTotal)	long	The value of tFPResMacFdbRecTotal represents the total number of MAC Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResMacFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
resRvplsFdbRecAlloc [Res Rvpls Fdb Rec Alloc] (tFPResResRvplsFdbRecAlloc)	long	The value of tFPResResRvplsFdbRecAlloc represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are currently allocated on this FP.
resRvplsFdbRecTotal [Res Rvpls Fdb Rec Total] (tFPResResRvplsFdbRecTotal)	long	The value of tFPResResRvplsFdbRecTotal represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResResRvplsFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tFPResSapIngQosPolAlloc)	long	The value of tFPResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently allocated on this FP.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tFPResSapIngQosPolTotal)	long	The value of tFPResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be in use on this FP.
subHostAlloc [Sub Host Alloc] (tFPResSubHostAlloc)	long	The value of tFPResSubHostAlloc represents the total number of subscriber hosts that are currently allocated on this FP. The value of tFPResSubHostAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since subscriber host resources are subset of dynamic service entry resources.
subHostTotal [Sub Host Total] (tFPResSubHostTotal)	long	The value of tFPResSubHostTotal represents the total number of subscriber hosts that are supported on this FP. When the value of tFPResSubHostTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResSubHostTotal will always be less than or equal to tFPResDynSvcEntryTotal since subscriber host resources are subset of dynamic service entry resources.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Alcatel-Lucent SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Alcatel-Lucent SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
MDAResourceStats MIB entry name: tMDAResEntry Entry description: The value of tMDAResEntry represents MDA specific system resource information. Table description (for tMDAResTable): The value of tMDAResTable represents system resource information that are specific to MDA for a particular card on a given chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
egrHsmdaQGrpAlloc [Egr Hsmda QGrp Alloc] (tMDAResEgrHsmdaQGrpAlloc)	long	The value of tMDAResEgrHsmdaQGrpAlloc represents the total number of egress HSMDA queue-groups that are currently allocated on this MDA.
egrHsmdaQGrpTotal [Egr Hsmda QGrp Total] (tMDAResEgrHsmdaQGrpTotal)	long	The value of tMDAResEgrHsmdaQGrpTotal represents the total number of egress HSMDA queue-groups that are supported on this MDA. When the value of tMDAResEgrHsmdaQGrpTotal is zero, it indicates that this resource type is not supported on this MDA.
egrHsmdaSecShaperAlloc [Egr Hsmda Sec Shaper Alloc] (tMDAResEgrHsmdaSecShaperAlloc)	long	The value of tMDAResEgrHsmdaSecShaperAlloc represents the total number of egress HSMDA secondary-shapers that are currently allocated on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrHsmdaSecShaperTotal [Egr Hsmda Sec Shaper Total] (tMDAResEgrHsmdaSecShaperTotal)	long	The value of tMDAResEgrHsmdaSecShaperTotal represents the total number of egress HSMDA secondary-shapers that are supported on this MDA. When the value of tMDAResEgrHsmdaSecShaperTotal is zero, it indicates that this resource type is not supported on this MDA.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MemoryUtilizationStats</p> <p>MIB entry name: tmnxCardMemResMonitorEntry</p> <p>Entry description: The tmnxCardMemResMonitorEntry contains the card's memory usage statistics.</p> <p>Table description (for tmnxCardMemResMonitorTable): The tmnxCardMemResMonitorTable details the specified current card's memory resources. The information described in this table is volatile and dependent on the current environmental conditions. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
memoryAvailable [Memory Available] (tmnxCardMemResMemoryAvailable)	long	The value of tmnxCardMemResMemoryAvailable indicates the amount of free memory, in kilobytes, in the card that is not allocated to memory pools, but is available in case a memory pool needs to grow.
memoryUsed [Memory Used] (tmnxCardMemResMemoryUsed)	long	The value of tmnxCardMemResMemoryUsed indicates the total pre-allocated pool memory, in kilobytes, currently in use on the card.
poolsAllocated [Pools Allocated] (tmnxCardMemResPoolsAllocated)	long	The value of tmnxCardMemResPoolsAllocated indicates the total memory, in kilobytes, currently allocated in memory-pools on the card. This memory may or may not be currently in use, but is pre-allocated should the software need to use it.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Alcatel-Lucent SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats MIB entry name: tmnxBundleMemberImaEntry Entry description: Each row entry represents an IMA link associated with an IMA Group. Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group. Supports realtime plotting Supports scheduled collection Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipMdaStats</p> <p>MIB entry name: tmnxSubMgmtMdaStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a MDA on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtMdaStatsTable): The tmnxSubMgmtMdaStatsTable has an entry with statistics for each MDA on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCard</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtMdaSSubscribers)	long	The value of tmnxSubMgmtMdaSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtMdaSSubscribersPeak)	long	The value of tmnxSubMgmtMdaSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtMdaSIpoeHosts)	long	The value of tmnxSubMgmtMdaSIpoeHosts indicates the number of current IPOE hosts on this MDA.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtMdaSIpoeHostsPeak)	long	The value of tmnxSubMgmtMdaSIpoeHostsPeak indicates the peak number of IPOE hosts on this MDA.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtMdaSV4)	long	The value of tmnxSubMgmtMdaSV4 indicates the number of current V4 hosts on this MDA.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtMdaSV4Peak)	long	The value of tmnxSubMgmtMdaSV4Peak indicates the peak number of V4 hosts on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtMdaSArp)	long	The value of tmnxSubMgmtMdaSArp indicates the number of current IPOE hosts (ARP) on this MDA.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtMdaSArpPeak)	long	The value of tmnxSubMgmtMdaSArpPeak indicates the peak number of IPOE hosts (ARP) on this MDA.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtMdaSDhcp)	long	The value of tmnxSubMgmtMdaSDhcp indicates the number of current IPOE hosts (DHCP) on this MDA.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtMdaSDhcpPeak)	long	The value of tmnxSubMgmtMdaSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this MDA.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtMdaSIpcp)	long	The value of tmnxSubMgmtMdaSIpcp indicates the number of current PPP hosts (IPCP) on this MDA.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtMdaSIpcpPeak)	long	The value of tmnxSubMgmtMdaSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this MDA.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtMdaSL2tpHost)	long	The value of tmnxSubMgmtMdaSL2tpHost indicates the number of current PPP hosts (L2TP) on this MDA.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtMdaSL2tpHostPeak)	long	The value of tmnxSubMgmtMdaSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this MDA.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtMdaSNonSub)	long	The value of tmnxSubMgmtMdaSNonSub indicates the number of current Non Sub hosts on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtMdaSNonSubPeak)	long	The value of tmnxSubMgmtMdaSNonSubPeak indicates the peak number of Non Sub hosts on this MDA.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtMdaSStatic)	long	The value of tmnxSubMgmtMdaSStatic indicates the number of current IPOE hosts (Static) on this MDA.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtMdaSStaticPeak)	long	The value of tmnxSubMgmtMdaSStaticPeak indicates the peak number of IPOE hosts (Static) on this MDA.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtMdaSIpoedhcp6Na)	long	The value of tmnxSubMgmtMdaSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this MDA.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this MDA.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtMdaSIpoedhcp6Pd)	long	The value of tmnxSubMgmtMdaSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this MDA.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this MDA.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtMdaSIpoeslaac)	long	The value of tmnxSubMgmtMdaSIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this MDA.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtMdaSIpoeslaacPeak)	long	The value of tmnxSubMgmtMdaSIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtMdaSPppDhcp6Na)	long	The value of tmnxSubMgmtMdaSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtMdaSPppDhcp6Pd)	long	The value of tmnxSubMgmtMdaSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this MDA.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this MDA.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtMdaSPppSlaac)	long	The value of tmnxSubMgmtMdaSPppSlaac indicates the number of current PPP hosts (SLAAC) on this MDA.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtMdaSPppSlaacPeak)	long	The value of tmnxSubMgmtMdaSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this MDA.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtMdaSV6)	long	The value of tmnxSubMgmtMdaSV6 indicates the number of current V6 hosts on this MDA.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtMdaSV6Peak)	long	The value of tmnxSubMgmtMdaSV6Peak indicates the peak number of V6 hosts on this MDA.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtMdaSTotal)	long	The value of tmnxSubMgmtMdaSTotal indicates the number of current total hosts on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtMdaSTotalPeak)	long	The value of tmnxSubMgmtMdaSTotalPeak indicates the peak number of total hosts on this MDA.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtMdaSPppHosts)	long	The value of tmnxSubMgmtMdaSPppHosts indicates the number of current PPP hosts on this MDA.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtMdaSPppHostsPeak)	long	The value of tmnxSubMgmtMdaSPppHostsPeak indicates the peak number of PPP hosts on this MDA.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtMdaSPppLacL2tp)	long	The value of tmnxSubMgmtMdaSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLacL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtMdaSPppLacOA)	long	The value of tmnxSubMgmtMdaSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtMdaSPppLacOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtMdaSPppLacOEOA)	long	The value of tmnxSubMgmtMdaSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtMdaSPppLacOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtMdaSPppLacOE)	long	The value of tmnxSubMgmtMdaSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtMdaSPppLacOEPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtMdaSPppLclL2tp)	long	The value of tmnxSubMgmtMdaSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLclL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtMdaSPppLclOA)	long	The value of tmnxSubMgmtMdaSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtMdaSPppLclOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtMdaSPppLclOEOA)	long	The value of tmnxSubMgmtMdaSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtMdaSPppLclOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtMdaSPppLclOE)	long	The value of tmnxSubMgmtMdaSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtMdaSPppLclOEPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this MDA.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtMdaSPppLclTotal)	long	The value of tmnxSubMgmtMdaSPppLclTotal indicates the total number of current locally terminated PPP sessions on this MDA.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtMdaSPppLclTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this MDA.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtMdaSPppSessIs)	long	The value of tmnxSubMgmtMdaSPppSessIs indicates the number of current PPP sessions in setup on this MDA.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtMdaSPppSessIsPeak)	long	The value of tmnxSubMgmtMdaSPppSessIsPeak indicates the peak number of PPP sessions in setup on this MDA.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtMdaSPppSessTotal)	long	The value of tmnxSubMgmtMdaSPppSessTotal indicates the total number of current PPP sessions established on this MDA.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtMdaSPppSessTotalPeak)	long	The value of tmnxSubMgmtMdaSPppSessTotalPeak indicates the total peak number of PPP sessions established on this MDA.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtMdaSPppLacTotal)	long	The value of tmnxSubMgmtMdaSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this MDA.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtMdaSPppLacTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this MDA.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipPortStats</p> <p>MIB entry name: tmnxSubMgmtPortStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a port on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtPortStatsTable): The tmnxSubMgmtPortStatsTable has an entry with statistics for each port on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface • pxc.PortCrossConnectSubPort 		
cardPortId [Card Port Id] (tmnxSubMgmtPortId)	long	tmnxSubMgmtPortId is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtPortSSubscribers)	long	The value of tmnxSubMgmtPortSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPortSSubscribersPeak)	long	The value of tmnxSubMgmtPortSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPortSIpoeHosts)	long	The value of tmnxSubMgmtPortSIpoeHosts indicates the number of current IPOE hosts on this port.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPortSIpoeHostsPeak)	long	The value of tmnxSubMgmtPortSIpoeHostsPeak indicates the peak number of IPOE hosts on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPortSV4)	long	The value of tmnxSubMgmtPortSV4 indicates the number of current V4 hosts on this port.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPortSV4Peak)	long	The value of tmnxSubMgmtPortSV4Peak indicates the peak number of V4 hosts on this port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPortSArp)	long	The value of tmnxSubMgmtPortSArp indicates the number of current IPOE hosts (ARP) on this port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPortSArpPeak)	long	The value of tmnxSubMgmtPortSArpPeak indicates the peak number of IPOE hosts (ARP) on this port.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPortSDhcp)	long	The value of tmnxSubMgmtPortSDhcp indicates the number of current IPOE hosts (DHCP) on this port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPortSDhcpPeak)	long	The value of tmnxSubMgmtPortSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this port.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPortSIpcp)	long	The value of tmnxSubMgmtPortSIpcp indicates the number of current PPP hosts (IPCP) on this port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPortSIpcpPeak)	long	The value of tmnxSubMgmtPortSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPortSL2tpHost)	long	The value of tmnxSubMgmtPortSL2tpHost indicates the number of current PPP hosts (L2TP) on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPortSL2tpHostPeak)	long	The value of tmnxSubMgmtPortSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPortSNonSub)	long	The value of tmnxSubMgmtPortSNonSub indicates the number of current Non Sub hosts on this port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPortSNonSubPeak)	long	The value of tmnxSubMgmtPortSNonSubPeak indicates the peak number of Non Sub hosts on this port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPortSStatic)	long	The value of tmnxSubMgmtPortSStatic indicates the number of current IPOE hosts (Static) on this port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPortSStaticPeak)	long	The value of tmnxSubMgmtPortSStaticPeak indicates the peak number of IPOE hosts (Static) on this port.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtPortSIpoedhcp6Na)	long	The value of tmnxSubMgmtPortSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this port.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this port.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtPortSIpoedhcp6Pd)	long	The value of tmnxSubMgmtPortSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this port.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEslaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtPortSIpoEslaac)	long	The value of tmnxSubMgmtPortSIpoEslaac indicates the number of current IPOE hosts (SLAAC) on this port.
ipv6IpoEslaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPortSIpoEslaacPeak)	long	The value of tmnxSubMgmtPortSIpoEslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this port.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this port.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPortSPppSlaac)	long	The value of tmnxSubMgmtPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPortSPppSlaacPeak)	long	The value of tmnxSubMgmtPortSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPortSV6)	long	The value of tmnxSubMgmtPortSV6 indicates the number of current V6 hosts on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPortSV6Peak)	long	The value of tmnxSubMgmtPortSV6Peak indicates the peak number of V6 hosts on this port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPortSTotal)	long	The value of tmnxSubMgmtPortSTotal indicates the number of current total hosts on this port.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPortSTotalPeak)	long	The value of tmnxSubMgmtPortSTotalPeak indicates the peak number of total hosts on this port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPortSPppHosts)	long	The value of tmnxSubMgmtPortSPppHosts indicates the number of current PPP hosts on this port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPortSPppHostsPeak)	long	The value of tmnxSubMgmtPortSPppHostsPeak indicates the peak number of PPP hosts on this port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPortSPppLacL2tp)	long	The value of tmnxSubMgmtPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPortSPppLacL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPortSPppLacOA)	long	The value of tmnxSubMgmtPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPortSPppLacOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPortSPppLacOEOA)	long	The value of tmnxSubMgmtPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPortSPppLacOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPortSPppLacOE)	long	The value of tmnxSubMgmtPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPortSPppLacOEPeak)	long	The value of tmnxSubMgmtPortSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPortSPppLclL2tp)	long	The value of tmnxSubMgmtPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPortSPppLclL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPortSPppLclOA)	long	The value of tmnxSubMgmtPortSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPortSPppLclOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPortSPppLclOEOA)	long	The value of tmnxSubMgmtPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPortSPppLclOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPortSPppLclOE)	long	The value of tmnxSubMgmtPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this port.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPortSPppLclOEPeak)	long	The value of tmnxSubMgmtPortSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPortSPppLclTotal)	long	The value of tmnxSubMgmtPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPortSPppLclTotalPeak)	long	The value of tmnxSubMgmtPortSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPortSPppSessIs)	long	The value of tmnxSubMgmtPortSPppSessIs indicates the number of current PPP sessions in setup on this port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPortSPppSessIsPeak)	long	The value of tmnxSubMgmtPortSPppSessIsPeak indicates the peak number of PPP sessions in setup on this port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPortSPppSessTotal)	long	The value of tmnxSubMgmtPortSPppSessTotal indicates the total number of current PPP sessions established on this port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPortSPppSessTotalPeak)	long	The value of tmnxSubMgmtPortSPppSessTotalPeak indicates the total peak number of PPP sessions established on this port.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPortSPppLacTotal)	long	The value of tmnxSubMgmtPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPortSPppLacTotalPeak)	long	The value of tmnxSubMgmtPortSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this port.
<p>SubscrHostEquipSlotStats MIB entry name: tmnxSubMgmtSlotStatsEntry Entry description: Each conceptual row represents statistics for a Slot on which subscriber hosts are allocated. Table description (for tmnxSubMgmtSlotStatsTable): The tmnxSubMgmtSlotStatsTable has an entry with statistics for each Slot on which subscriber hosts are allocated. Supports realtime plotting Supports scheduled collection Monitored class: equipment.BaseCard</p>		
cardSlotId [Card Slot Id] (tmnxSubMgmtSlotID)	long	tmnxSubMgmtSlotID is an index into this table. It maps this Slot to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtSlotSSubscribers)	long	The value of tmnxSubMgmtSlotSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSlotSSubscribersPeak)	long	The value of tmnxSubMgmtSlotSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSlotSIpoeHosts)	long	The value of tmnxSubMgmtSlotSIpoeHosts indicates the number of current IPOE hosts on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSlotIpoehostsPeak)	long	The value of tmnxSubMgmtSlotIpoehostsPeak indicates the peak number of IPOE hosts on this Slot.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSlotSV4)	long	The value of tmnxSubMgmtSlotSV4 indicates the number of current V4 hosts on this Slot.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSlotSV4Peak)	long	The value of tmnxSubMgmtSlotSV4Peak indicates the peak number of V4 hosts on this Slot.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSlotSArp)	long	The value of tmnxSubMgmtSlotSArp indicates the number of current IPOE hosts (ARP) on this Slot.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSlotSArpPeak)	long	The value of tmnxSubMgmtSlotSArpPeak indicates the peak number of IPOE hosts (ARP) on this Slot.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSlotSDhcp)	long	The value of tmnxSubMgmtSlotSDhcp indicates the number of current IPOE hosts (DHCP) on this Slot.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSlotSDhcpPeak)	long	The value of tmnxSubMgmtSlotSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this Slot.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSlotSIpcp)	long	The value of tmnxSubMgmtSlotSIpcp indicates the number of current PPP hosts (IPCP) on this Slot.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSlotSIpcpPeak)	long	The value of tmnxSubMgmtSlotSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSlotSL2tpHost)	long	The value of tmnxSubMgmtSlotSL2tpHost indicates the number of current PPP hosts (L2TP) on this Slot.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSlotSL2tpHostPeak)	long	The value of tmnxSubMgmtSlotSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this Slot.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSlotSNonSub)	long	The value of tmnxSubMgmtSlotSNonSub indicates the number of current Non Sub hosts on this Slot.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSlotSNonSubPeak)	long	The value of tmnxSubMgmtSlotSNonSubPeak indicates the peak number of Non Sub hosts on this Slot.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSlotSStatic)	long	The value of tmnxSubMgmtSlotSStatic indicates the number of current IPOE hosts (Static) on this Slot.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSlotSStaticPeak)	long	The value of tmnxSubMgmtSlotSStaticPeak indicates the peak number of IPOE hosts (Static) on this Slot.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSlotSIpoedhcp6Na)	long	The value of tmnxSubMgmtSlotSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this Slot.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this Slot.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSlotSIpoedhcp6Pd)	long	The value of tmnxSubMgmtSlotSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtSlotIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this Slot.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtSlotIpoeslaac)	long	The value of tmnxSubMgmtSlotIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this Slot.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtSlotIpoeslaacPeak)	long	The value of tmnxSubMgmtSlotIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this Slot.
ipv6Pppdhcp6NaHosts [Ipv 6 Pppdhcp 6 Na Hosts] (tmnxSubMgmtSlotSpppdhcp6Na)	long	The value of tmnxSubMgmtSlotSpppdhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this Slot.
ipv6Pppdhcp6NaHostsPeak [Ipv 6 Pppdhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotSpppdhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSpppdhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this Slot.
ipv6Pppdhcp6PdHosts [Ipv 6 Pppdhcp 6 Pd Hosts] (tmnxSubMgmtSlotSpppdhcp6Pd)	long	The value of tmnxSubMgmtSlotSpppdhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this Slot.
ipv6Pppdhcp6PdHostsPeak [Ipv 6 Pppdhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotSpppdhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSpppdhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this Slot.
ipv6PppslaacHosts [Ipv 6 Pppslaac Hosts] (tmnxSubMgmtSlotSpppslaac)	long	The value of tmnxSubMgmtSlotSpppslaac indicates the number of current PPP hosts (SLAAC) on this Slot.
ipv6PppslaacHostsPeak [Ipv 6 Pppslaac Hosts Peak] (tmnxSubMgmtSlotSpppslaacPeak)	long	The value of tmnxSubMgmtSlotSpppslaacPeak indicates the peak number of PPP hosts (SLAAC) on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSlotSV6)	long	The value of tmnxSubMgmtSlotSV6 indicates the number of current V6 hosts on this Slot.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSlotSV6Peak)	long	The value of tmnxSubMgmtSlotSV6Peak indicates the peak number of V6 hosts on this Slot.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSlotSTotal)	long	The value of tmnxSubMgmtSlotSTotal indicates the number of current total hosts on this Slot.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSlotSTotalPeak)	long	The value of tmnxSubMgmtSlotSTotalPeak indicates the peak number of total hosts on this Slot.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSlotSPppHosts)	long	The value of tmnxSubMgmtSlotSPppHosts indicates the number of current PPP hosts on this Slot.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSlotSPppHostsPeak)	long	The value of tmnxSubMgmtSlotSPppHostsPeak indicates the peak number of PPP hosts on this Slot.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSlotSPppLacL2tp)	long	The value of tmnxSubMgmtSlotSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSlotSPppLacOA)	long	The value of tmnxSubMgmtSlotSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSlotSPppLacOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this Slot.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSlotSPppLacOEOA)	long	The value of tmnxSubMgmtSlotSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSlotSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSlotSPppLacOE)	long	The value of tmnxSubMgmtSlotSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this Slot.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSlotSPppLacOEPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this Slot.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSlotSPppLclL2tp)	long	The value of tmnxSubMgmtSlotSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSlotSPppLclOA)	long	The value of tmnxSubMgmtSlotSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this Slot.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSlotSPppLclOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSlotSPppLclOEOA)	long	The value of tmnxSubMgmtSlotSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSlotSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSlotSPppLclOE)	long	The value of tmnxSubMgmtSlotSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this Slot.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSlotSPppLclOEPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this Slot.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSlotSPppLclTotal)	long	The value of tmnxSubMgmtSlotSPppLclTotal indicates the total number of current locally terminated PPP sessions on this Slot.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSlotSPppLclTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this Slot.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSlotSPppSessIs)	long	The value of tmnxSubMgmtSlotSPppSessIs indicates the number of current PPP sessions in setup on this Slot.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSlotSPppSessIsPeak)	long	The value of tmnxSubMgmtSlotSPppSessIsPeak indicates the peak number of PPP sessions in setup on this Slot.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSlotSPppSessTotal)	long	The value of tmnxSubMgmtSlotSPppSessTotal indicates the total number of current PPP sessions established on this Slot.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSlotSPppSessTotalPeak)	long	The value of tmnxSubMgmtSlotSPppSessTotalPeak indicates the total peak number of PPP sessions established on this Slot.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSlotSPppLacTotal)	long	The value of tmnxSubMgmtSlotSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this Slot.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSlotSPppLacTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this Slot.
<p>SubscrHostEquipSystStats MIB entry name: tmnxSubMgmtSystStatsEntry Entry description: Each conceptual row represents statistics for a system on which subscriber hosts are allocated. Table description (for tmnxSubMgmtSystStatsTable): The tmnxSubMgmtSystStatsTable has an entry with statistics for each system on which subscriber hosts are allocated. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtSystSSubscribers)	long	The value of tmnxSubMgmtSystSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSystSSubscribersPeak)	long	The value of tmnxSubMgmtSystSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSystSIpoeHosts)	long	The value of tmnxSubMgmtSystSIpoeHosts indicates the number of current IPOE hosts on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSystIpoeHostsPeak)	long	The value of tmnxSubMgmtSystIpoeHostsPeak indicates the peak number of IPOE hosts on this system.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSystSV4)	long	The value of tmnxSubMgmtSystSV4 indicates the number of current V4 hosts on this system.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSystSV4Peak)	long	The value of tmnxSubMgmtSystSV4Peak indicates the peak number of V4 hosts on this system.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSystSArp)	long	The value of tmnxSubMgmtSystSArp indicates the number of current IPOE hosts (ARP) on this system.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSystSArpPeak)	long	The value of tmnxSubMgmtSystSArpPeak indicates the peak number of IPOE hosts (ARP) on this system.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSystSDhcp)	long	The value of tmnxSubMgmtSystSDhcp indicates the number of current IPOE hosts (DHCP) on this system.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSystSDhcpPeak)	long	The value of tmnxSubMgmtSystSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this system.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSystSIpcp)	long	The value of tmnxSubMgmtSystSIpcp indicates the number of current PPP hosts (IPCP) on this system.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSystSIpcpPeak)	long	The value of tmnxSubMgmtSystSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSystSL2tpHost)	long	The value of tmnxSubMgmtSystSL2tpHost indicates the number of current PPP hosts (L2TP) on this system.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSystSL2tpHostPeak)	long	The value of tmnxSubMgmtSystSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this system.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSystSNonSub)	long	The value of tmnxSubMgmtSystSNonSub indicates the number of current Non Sub hosts on this system.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSystSNonSubPeak)	long	The value of tmnxSubMgmtSystSNonSubPeak indicates the peak number of Non Sub hosts on this system.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSystSStatic)	long	The value of tmnxSubMgmtSystSStatic indicates the number of current IPOE hosts (Static) on this system.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSystSStaticPeak)	long	The value of tmnxSubMgmtSystSStaticPeak indicates the peak number of IPOE hosts (Static) on this system.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSystSIpoedhcp6Na)	long	The value of tmnxSubMgmtSystSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSystSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSystSIpoedhcp6Pd)	long	The value of tmnxSubMgmtSystSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoE Dhcp6PdHostsPeak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystSIpoE Dhcp6PdPeak)	long	The value of tmnxSubMgmtSystSIpoE Dhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this system.
ipv6IpoE SlaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtSystSIpoE Slaac)	long	The value of tmnxSubMgmtSystSIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this system.
ipv6IpoE SlaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtSystSIpoE SlaacPeak)	long	The value of tmnxSubMgmtSystSIpoE SlaacPeak indicates the peak number of IPOE hosts (SLAAC) on this system.
ipv6Ppp Dhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtSystSPpp Dhcp6Na)	long	The value of tmnxSubMgmtSystSPpp Dhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this system.
ipv6Ppp Dhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSPpp Dhcp6NaPeak)	long	The value of tmnxSubMgmtSystSPpp Dhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this system.
ipv6Ppp Dhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtSystSPpp Dhcp6Pd)	long	The value of tmnxSubMgmtSystSPpp Dhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this system.
ipv6Ppp Dhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystSPpp Dhcp6PdPeak)	long	The value of tmnxSubMgmtSystSPpp Dhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this system.
ipv6Ppp SlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtSystSPpp Slaac)	long	The value of tmnxSubMgmtSystSPpp Slaac indicates the number of current PPP hosts (SLAAC) on this system.
ipv6Ppp SlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtSystSPpp SlaacPeak)	long	The value of tmnxSubMgmtSystSPpp SlaacPeak indicates the peak number of PPP hosts (SLAAC) on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSystSV6)	long	The value of tmnxSubMgmtSystSV6 indicates the number of current V6 hosts on this system.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSystSV6Peak)	long	The value of tmnxSubMgmtSystSV6Peak indicates the peak number of V6 hosts on this system.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSystSTotal)	long	The value of tmnxSubMgmtSystSTotal indicates the number of current total hosts on this system.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSystSTotalPeak)	long	The value of tmnxSubMgmtSystSTotalPeak indicates the peak number of total hosts on this system.
l2tpTunOrig [L2 tp Tun Orig] (tmnxSubMgmtSystSL2tpTunOrig)	long	The value of tmnxSubMgmtSystSL2tpTunOrig indicates the number of current L2TP Tunnels (originator) on this system.
l2tpTunOrigPeak [L2 tp Tun Orig Peak] (tmnxSubMgmtSystSL2tpTunOrigPeak)	long	The value of tmnxSubMgmtSystSL2tpTunOrigPeak indicates the peak number of L2TP Tunnels (originator) on this system.
l2tpTunRecv [L2 tp Tun Recv] (tmnxSubMgmtSystSL2tpTunRecv)	long	The value of tmnxSubMgmtSystSL2tpTunRecv indicates the number of current L2TP Tunnels (receiver) on this system.
l2tpTunRecvPeak [L2 tp Tun Recv Peak] (tmnxSubMgmtSystSL2tpTunRecvPeak)	long	The value of tmnxSubMgmtSystSL2tpTunRecvPeak indicates the peak number of L2TP Tunnels (receiver) on this system.
l2tpTunTotal [L2 tp Tun Total] (tmnxSubMgmtSystSL2tpTunTotal)	long	The value of tmnxSubMgmtSystSL2tpTunTotal indicates the total number of current L2TP Tunnels on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
l2tpTunTotalPeak [L2 tp Tun Total Peak] (tmnxSubMgmtSystSL2tpTunTotalPeak)	long	The value of tmnxSubMgmtSystSL2tpTunTotalPeak indicates the peak total number of L2TP Tunnels on this system.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSystSPppHosts)	long	The value of tmnxSubMgmtSystSPppHosts indicates the number of current PPP hosts on this system.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSystSPppHostsPeak)	long	The value of tmnxSubMgmtSystSPppHostsPeak indicates the peak number of PPP hosts on this system.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSystSPppLacL2tp)	long	The value of tmnxSubMgmtSystSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSystSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSystSPppLacOA)	long	The value of tmnxSubMgmtSystSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSystSPppLacOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSystSPppLacOEoA)	long	The value of tmnxSubMgmtSystSPppLacOEoA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this system.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSystSPppLacOEoAPeak)	long	The value of tmnxSubMgmtSystSPppLacOEoAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSystSPppLacOE)	long	The value of tmnxSubMgmtSystSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSystSPppLacOEPeak)	long	The value of tmnxSubMgmtSystSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSystSPppLclL2tp)	long	The value of tmnxSubMgmtSystSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this system.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSystSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this system.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSystSPppLclOA)	long	The value of tmnxSubMgmtSystSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this system.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSystSPppLclOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this system.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSystSPppLclOEOA)	long	The value of tmnxSubMgmtSystSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this system.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSystSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this system.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSystSPppLclOE)	long	The value of tmnxSubMgmtSystSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSystSPppLclOEPeak)	long	The value of tmnxSubMgmtSystSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this system.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSystSPppLclTotal)	long	The value of tmnxSubMgmtSystSPppLclTotal indicates the total number of current locally terminated PPP sessions on this system.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSystSPppLclTotalPeak)	long	The value of tmnxSubMgmtSystSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this system.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSystSPppSessIs)	long	The value of tmnxSubMgmtSystSPppSessIs indicates the number of current PPP sessions in setup on this system.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSystSPppSessIsPeak)	long	The value of tmnxSubMgmtSystSPppSessIsPeak indicates the peak number of PPP sessions in setup on this system.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSystSPppSessTotal)	long	The value of tmnxSubMgmtSystSPppSessTotal indicates the total number of current PPP sessions established on this system.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSystSPppSessTotalPeak)	long	The value of tmnxSubMgmtSystSPppSessTotalPeak indicates the total peak number of PPP sessions established on this system.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSystSPppLacTotal)	long	The value of tmnxSubMgmtSystSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this system.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSystSPppLacTotalPeak)	long	The value of tmnxSubMgmtSystSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this system.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 407 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 408 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>OtulfStats</p> <p>MIB entry name: tmnxOtulfRawStatsEntry</p> <p>Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable.</p> <p>Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUas [Fec Uas] (tmnxOtuIfRawStatsFECUAS)	long	The value of tmnxOtuIfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ofSmBip8 [Of Sm Bip 8] (tmnxOtuIfRawStatsOFSMBIP8)	long	The value of tmnxOtuIfRawStatsOFSMBIP8 indicates the number of times the tmnxOtuIfRawStatsSMBIP8 overflowed.
pmBei [Pm Bei] (tmnxOtuIfRawStatsPMBEI)	long	The value of tmnxOtuIfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtuIfRawStatsPMBIP8)	long	The value of tmnxOtuIfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtuIfRawStatsPMES)	long	The value of tmnxOtuIfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtuIfRawStatsPMSES)	long	The value of tmnxOtuIfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtuIfRawStatsPMUAS)	long	The value of tmnxOtuIfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtuIfRawStatsPPJ)	long	The value of tmnxOtuIfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtuIfRawStatsSMBEI)	long	The value of tmnxOtuIfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smBip8 [Sm Bip 8] (tmnxOtulfRawStatsSMBIP8)	long	The value of tmnxOtulfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.
smEs [Sm Es] (tmnxOtulfRawStatsSMES)	long	The value of tmnxOtulfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtulfRawStatsSMSES)	long	The value of tmnxOtulfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtulfRawStatsSMUAS)	long	The value of tmnxOtulfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat</p> <p>MIB entry name: tmnxPortEgrQosQStatEntry</p> <p>Entry description: Egress statistics about a specific port's QoS queue-group queue. In release 11.0, tPortAccEgrQGrpIn-stanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortEgrQosQStatTable.</p> <p>Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat</p> <p>MIB entry name: tmnxPortIngQosQStatEntry</p> <p>Entry description: Ingress statistics about a specific port's QoS queue-group queue.</p> <p>Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of fowrwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of fowrwarded packets by the egress queue group arbiter Pchip.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstancelId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 408 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 409 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 409 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmGlobalOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmGlobalOpcodeEntry</p> <p>Entry description: A Global Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmGlobalOpcodeTable): tmnxDot1agCfmGlobalOpcodeTable consists of global statistics that are kept in the receive and transmit direction on the node for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmGlobalOpcode</p>		
globalOpcode [Global Opcode] (tmnxDot1agCfmGlobalOpcode)	int	Integer that defines which CFM PDU Opcode the statistics refer to.
globalOpcodeRx [Global Opcode Rx] (tmnxDot1agCfmGlobalOpcodeRx)	long	The total number of PDUs received on the node with the specified Opcode.
globalOpcodeTx [Global Opcode Tx] (tmnxDot1agCfmGlobalOpcodeTx)	long	The total number of PDUs transmitted from the node with the specified Opcode.
<p>CfmMepOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmMepOpcodeEntry</p> <p>Entry description: A Mep Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmMepOpcodeTable): tmnxDot1agCfmMepOpcodeTable consists of statistics that are kept in the receive and transmit direction on a MEP for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmMepOpcode</p>		
mepOpcode [Mep Opcode] (tmnxDot1agCfmMepOpcode)	int	The value of tmnxDot1agCfmMepOpcode specifies the CFM PDU Opcode to which the statistics refer.

Table 409 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mepOpcodeRx [Mep Opcode Rx] (tmnxDot1agCfmMepOpcodeRx)	long	The total number of PDUs received on the MEP with the specified Opcode.
mepOpcodeTx [Mep Opcode Tx] (tmnxDot1agCfmMepOpcodeTx)	long	The total number of PDUs transmitted from the MEP with the specified Opcode.
CfmPacketCountStats MIB entry name: tmnxDot1agCfmGlobalPacketStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
globalAisTxActive [Global Ais Tx Active] (tmnxDot1agCfmGlobalAisTxActive)	long	The value of tmnxDot1agCfmGlobalAisTxActive indicates the number of sessions where fault (AIS or other) is actively being transmitted.
globalAisTxFail [Global Ais Tx Fail] (tmnxDot1agCfmGlobalAisTxFail)	long	The value of tmnxDot1agCfmGlobalAisTxFail indicates the number of sessions where fault (AIS or other) can't be transmitted due to lack of resources.
globalPacketDiscard [Global Packet Discard] (tmnxDot1agCfmGlobalPacketDiscard)	long	The value of tmnxDot1agCfmGlobalPacketDiscard indicates the number of packets discarded by ETH-CFM. A packet may be discarded for several reasons including, but not limited to, malformed PDU, invalid TLVs, MEP admin down, etc.
globalPacketDropped [Global Packet Dropped] (tmnxDot1agCfmGlobalPacketDropped)	long	The value of tmnxDot1agCfmGlobalPacketDropped indicates the number of packets dropped by ETH-CFM. A packet is dropped because of resource contention.
globalPacketRxCount [Global Packet Rx Count] (tmnxDot1agCfmGlobalPacketRxCount)	long	The value of tmnxDot1agCfmGlobalPacketRxCount indicates the number of received ETH-CFM packets.

Table 409 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
globalPacketTxCount [Global Packet Tx Count] (tmnxDot1agCfmGlobalPacketTxCount)	long	The value of tmnxDot1agCfmGlobalPacketTxCount indicates the number of transmitted ETH-CFM packets.
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
<p>OamSysPerfStats</p> <p>MIB entry name: tmnxOamGeneralStats</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		

Table 409 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentNumberOfSAATests [Current Number Of SAATests] (tmnxOamSysSessionCount)	long	The value of tmnxOamSysSessionCount indicates the number of OAM sessions currently allocated on this node. One OAM session is allocated when a test is configured (in the case of some test types) or activated (in the remaining cases). Tests with the following test types allocate OAM sessions: 1. SDP keep-alive. 2. Static route CPE check. 3. Filter redirect policy ping test. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB. The session is freed when the test is deactivated or deleted. tmnxOamSysSessionCount will not exceed tmnxOamSysSessionLimit. Configuration or activation of a test will fail when tmnxOamSysSessionCount equals tmnxOamSysSessionLimit.
currentTxRateForContinousTests [Current Tx Rate For Continous Tests] (tmnxOamSysPerfCfgTotalTx)	long	The value of tmnxOamSysPerfCfgTotalTx indicates this node's current total configured echo request packet transmission rate, for the set of tests listed in the tmnxOamSysPerfCfgLimitTx DESCRIPTION clause. For example, suppose: a) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and b) several SAA continuous tests are enabled, totalling 2000 echo request packets per second, and c) no other relevant tests are enabled. Then, tmnxOamSysPerfCfgTotalTx will have the value 3000. The value of tmnxOamSysPerfCfgTotalTx will not exceed the value of tmnxOamSysPerfCfgLimitTx.
lastClearStatsTime [Last Clear Stats Time] (tmnxOamSysPerfLastClearedTime)	long	The value of tmnxOamSysPerfLastClearedTime indicates the sysUpTime when the following statistics were cleared: tmnxOamSysPerfLocalTestTx, tmnxOamSysPerfRemoteTestRx, and tmnxOamSysPerfReqTypeTable. If the statistics have not been cleared since the last CPM restart, zero is returned. A packet count which is time stamped by this object can be converted to an average packets per second value using, for example, pps = tmnxOamSysPerfLocalTestTx / [(sysUpTime - tmnxOamSysPerfLastClearedTime)/100].

Table 409 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxNumberOfSAATests [Max Number Of SAATests] (tmnxOamSysSessionLimit)	long	The value of tmnxOamSysSessionLimit indicates the maximum number of OAM sessions available on this node. OAM sessions are allocated and freed as described in the tmnxOamSysSessionCount DESCRIPTION clause.
maxTxRateForAllOamTests [Max Tx Rate For All Oam Tests] (tmnxOamSysPerfOprLimitTx)	long	The value of tmnxOamSysPerfOprLimitTx indicates this node's upper bound on the total echo request packet transmission rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following test types: 1. SDP keep-alive. 2. Static route CPE check. 3. Filter redirect policy ping test. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB.
maxTxRateForContinousTests [Max Tx Rate For Continous Tests] (tmnxOamSysPerfCfgLimitTx)	long	The value of tmnxOamSysPerfCfgLimitTx indicates this node's upper bound on the total configured echo request packet transmission rate for a set of test types. The upper bound is enforced to avoid echo request packet transmit overload, i.e. to ensure each enabled test can transmit echo request packets at the test's configured rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following 'always on' test types: 1. SDP keep-alive. 2. Static route CPE check. 3. Filter redirect policy ping test. 4. VRRP policy host unreachable ping test. 5. SAA continuous test (see tmnxOamSaaCtlContinuous). 6. OAM-PM proactive test (see TIMETRA-OAM-PM-MIB::tmnxOamPmCfgSessType). For example, suppose: a) tmnxOamSysPerfCfgLimitTx has the value 4000 echo request packets per second, and b) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and c) several SAA continuous tests are enabled, totalling 3000 echo request packets per second. Then, an attempt to enable an additional SAA continuous test would be rejected with a 'resourceUnavailable(13)' error.

Table 409 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalNumberOfEchoRequestPacketsReceived [Total Number Of Echo Request Packets Received] (tmnxOamSysPerfRemoteTestRx)	long	The value of tmnxOamSysPerfRemoteTestRx indicates this node's total number of echo request packets received from remotely initiated tests (since the last clear).
totalNumberOfEchoRequestPacketsTransmitted [Total Number Of Echo Request Packets Transmitted] (tmnxOamSysPerfLocalTestTx)	long	The value of tmnxOamSysPerfLocalTestTx indicates this node's total number of echo request packets transmitted by locally initiated tests (since the last clear). The test types are listed in the tmnxOamSysPerfOprLimitTx DESCRIPTION clause.

Table 410 fr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tmnxFRDlcmiEntry</p> <p>Entry description: The Parameters for a particular Data Link Connection Management Interface. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxFRDlcmiTable): The tmnxFRDlcmiTable has an entry for each port in the system that is configured for Frame Relay. It contains the parameters for the Data Link Connection Management Interface (DLCMI) for the frame relay service on this port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: fr.Interface</p>		
ImiDiscardedMessages [Lmi Discarded Messages] (tmnxFRDlcmiDiscardedMsgs)	long	tmnxFRDlcmiDiscardedMsgs indicates the number of times the LMI agent discarded a received message because it wasn't expecting it, the type of message was incorrect, or the contents of the message were invalid.
ImiInvalidRxSeqNumMessages [Lmi Invalid Rx Seq Num Messages] (tmnxFRDlcmiInvRxSeqNumMsgs)	long	tmnxFRDlcmiInvRxSeqNumMsgs indicates the number of times the LMI agent received a message with an invalid receive sequence number: i.e. a sequence number that does not match the last transmitted sequence number of the agent.
ImiRxStatusEnquiryMessages [Lmi Rx Status Enquiry Messages] (tmnxFRDlcmiRxStatusEnqMsgs)	long	tmnxFRDlcmiRxStatusEnqMsgs indicates the number of LMI Status Enquiry messages received on this Frame Relay interface.
ImiRxStatusMessages [Lmi Rx Status Messages] (tmnxFRDlcmiRxStatusMsgs)	long	tmnxFRDlcmiRxStatusMsgs indicates the number of LMI Status messages received on this Frame Relay interface.
ImiStatusEnquiryMsgTimeouts [Lmi Status Enquiry Msg Timeouts] (tmnxFRDlcmiStatusEnqMsgTimeouts)	long	tmnxFRDlcmiStatusEnqMsgTimeouts indicates the number of times the LMI agent did not receive a Status Enquiry message within the allotted time.

Table 410 fr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lmiStatusMsgTimeouts [Lmi Status Msg Timeouts] (tmnxFRDlcmiStatusMsgTimeouts)	long	tmnxFRDlcmiStatusMsgTimeouts indicates the number of times the LMI agent did not receive a Status message within the allotted time.
lmiTxStatusEnquiryMessages [Lmi Tx Status Enquiry Messages] (tmnxFRDlcmiTxStatusEnqMsgs)	long	tmnxFRDlcmiTxStatusEnqMsgs indicates the number of LMI Status Enquiry messages transmitted on this Frame Relay interface.
lmiTxStatusMessages [Lmi Tx Status Messages] (tmnxFRDlcmiTxStatusMsgs)	long	tmnxFRDlcmiTxStatusMsgs indicates the number of LMI Status messages transmitted on this Frame Relay interface.

Table 411 gsmpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GsmppSessionStats</p> <p>MIB entry name: tmnxAncpSessionStatsEntry</p> <p>Entry description: Each row contains statistics information about an ANCP session known to the system. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSessionStatsTable): The table tmnxAncpSessionStatsTable contains statistic information for every ANCP session known to the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gsmpp.GsmppGroupNeighborSession</p>		
ancpAckReceived [Ancp Ack Received] (tmnxAncpSesStatRxAck)	long	The value of tmnxAncpSesStatRxAck indicates the number of GSMP ACK messages received in this ANCP session.
ancpAckTransmitted [Ancp Ack Transmitted] (tmnxAncpSesStatTxAck)	long	The value of tmnxAncpSesStatTxAck indicates the number of GSMP ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpLoopBackReceived [Ancp Loop Back Received] (tmnxAncpSesStatRxLoopback)	long	The value of tmnxAncpSesStatRxLoopback indicates the number of GSMP Loopback messages received in this ANCP session.
ancpLoopBackTransmitted [Ancp Loop Back Transmitted] (tmnxAncpSesStatTxLoopback)	long	The value of tmnxAncpSesStatTxLoopback indicates the number of GSMP Loopback messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpPortDownReceived [Ancp Port Down Received] (tmnxAncpSesStatRxPortDown)	long	The value of tmnxAncpSesStatRxPortDown indicates the number of GSMP 'PortDown' messages received in this ANCP session.
ancpPortDownTransmitted [Ancp Port Down Transmitted] (tmnxAncpSesStatTxPortDown)	long	The value of tmnxAncpSesStatTxPortDown indicates the number of GSMP 'PortDown' messages that were transmitted to the ANCP neighbor in this session.

Table 411 gsmpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
anccPortUpReceived [Ancc Port Up Received] (tmnxAnccSesStatRxPortUp)	long	The value of tmnxAnccSesStatRxPortUp indicates the number of GSMP 'PortUp' messages received in this ANCP session.
anccPortUpTransmitted [Ancc Port Up Transmitted] (tmnxAnccSesStatTxPortUp)	long	The value of tmnxAnccSesStatTxPortUp indicates the number of GSMP 'PortUp' messages that were transmitted to the ANCP neighbor in this session.
anccRstAckReceived [Ancc Rst Ack Received] (tmnxAnccSesStatRxRstAck)	long	The value of tmnxAnccSesStatRxRstAck indicates the number of GSMP RST ACK messages received in this ANCP session.
anccRstAckTransmitted [Ancc Rst Ack Transmitted] (tmnxAnccSesStatTxRstAck)	long	The value of tmnxAnccSesStatTxRstAck indicates the number of GSMP RST ACK messages that were transmitted to the ANCP neighbor in this session.
anccSynAckReceived [Ancc Syn Ack Received] (tmnxAnccSesStatRxSynAck)	long	The value of tmnxAnccSesStatRxSynAck indicates the number of GSMP SYN ACK messages received in this ANCP session.
anccSynAckTransmitted [Ancc Syn Ack Transmitted] (tmnxAnccSesStatTxSynAck)	long	The value of tmnxAnccSesStatTxSynAck indicates the number of GSMP SYN ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
anccSynReceived [Ancc Syn Received] (tmnxAnccSesStatRxSyn)	long	The value of tmnxAnccSesStatRxSyn indicates the number of GSMP SYN messages received in this ANCP session.
anccSynTransmitted [Ancc Syn Transmitted] (tmnxAnccSesStatTxSyn)	long	The value of tmnxAnccSesStatTxSyn indicates the number of GSMP SYN messages that were transmitted to the ANCP neighbor in this ANCP session.

Table 411 gsmf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpTransmittedDropped [Ancp Transmitted Dropped] (tmnxAncpSesStatTxDrop)	long	The value of tmnxAncpSesStatTxDrop indicates the number of GSMP protocol messages that were created by the system in order for them to be sent to the ACNP neighbor, but were never transmitted.

Table 412 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 412 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 412 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 412 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 413 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIIsisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIIsisStatsTable): The tmnxIIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIIsisTable and tmnxIIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIIsisStatsCSNPDrop)	long	The value of the object tmnxIIsisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIIsisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIIsisStatsCSNPRecd)	long	The value of the object tmnxIIsisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIIsisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIIsisStatsCSNPRetrans)	long	The value of the object tmnxIIsisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIIsisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIIsisStatsCSNPSent)	long	The value of the object tmnxIIsisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIIsisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIIsisStatsIIHDrop)	long	The value of the object tmnxIIsisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIIsisStatsIIHDrop.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPRetrans)	long	The value of the object tmnxIisisStatsPSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPRetrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownRetrans)	long	The value of the object tmnxIisisStatsUnknownRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownRetrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 413 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lfaRuns [Lfa Runs] (tmnxIsisStatsLfaRuns)	long	The value of the object tmnxIsisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 414 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 415 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp</p>		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inMultipleSpanningTreeBpdus [In Multiple Spanning Tree Bpdus] (sapTlsStpInMstBpdus)	long	The value of the object sapTlsStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.
outMultipleSpanningTreeBpdus [Out Multiple Spanning Tree Bpdus] (sapTlsStpOutMstBpdus)	long	The value of the object sapTlsStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this SAP.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
<p>CircuitMrpInfoStats</p> <p>MIB entry name: sdpBindTlsMrpEntry</p> <p>Entry description: Each row entry contains objects that allows the modification of the Multiple Registration Protocol feature for a specific SDP-Binding in a TLS service.</p> <p>Table description (for sdpBindTlsMrpTable): The sdpBindTlsMrpTable allows the operator to modify attributes of the Multiple Registration Protocol (MRP) feature for the TLS SDP Bind. This table contains an entry for each TLS SDP Bind created by the user using either sdpBindTlsTable or sdpBindMeshTlsTable. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.CircuitMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sdpBindTlsMrpDroppedPdus)	long	The value of sdpBindTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SDP Bind.

Table 415 l2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxEmptyEvent [Mrp Rx Empty Event] (sdpBindTlsMrpRxEmptyEvent)	long	The value of sdpBindTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SDP Bind.
mrpRxInEvent [Mrp Rx In Event] (sdpBindTlsMrpRxInEvent)	long	The value of sdpBindTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SDP Bind.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sdpBindTlsMrpRxJoinEmptyEvent)	long	The value of sdpBindTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SDP Bind.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sdpBindTlsMrpRxJoinInEvent)	long	The value of sdpBindTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SDP Bind.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sdpBindTlsMrpRxLeaveEvent)	long	The value of sdpBindTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SDP Bind.
mrpRxNewEvent [Mrp Rx New Event] (sdpBindTlsMrpRxNewEvent)	long	The value of sdpBindTlsMrpRxNewEvent indicates the number of 'New' MRP events received on this SDP Bind.
mrpRxPdus [Mrp Rx Pdus] (sdpBindTlsMrpRxPdus)	long	The value of sdpBindTlsMrpRxPdus indicates the number of MRP packets received on this SDP Bind.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sdpBindTlsMrpTxEmptyEvent)	long	The value of sdpBindTlsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SDP Bind.
mrpTxInEvent [Mrp Tx In Event] (sdpBindTlsMrpTxInEvent)	long	The value of sdpBindTlsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SDP Bind.

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sdpBindTlsMrpTxJoinEmptyEvent)	long	The value of sdpBindTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SDP Bind.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sdpBindTlsMrpTxJoinInEvent)	long	The value of sdpBindTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SDP Bind.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sdpBindTlsMrpTxLeaveEvent)	long	The value of sdpBindTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SDP Bind.
mrpTxNewEvent [Mrp Tx New Event] (sdpBindTlsMrpTxNewEvent)	long	The value of sdpBindTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SDP Bind.
mrpTxPdus [Mrp Tx Pdus] (sdpBindTlsMrpTxPdus)	long	The value of sdpBindTlsMrpTxPdus indicates the number of MRP packets transmitted on this SDP Bind.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMrpInfoStats</p> <p>MIB entry name: sapTlsMrpEntry</p> <p>Entry description: MRP specific information about a SAP in a TLS.</p> <p>Table description (for sapTlsMrpTable): The sapTlsMrpTable augments sapTlsInfoTable with attributes of the Multiple Registration Protocol (MRP) feature for the TLS SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.L2AccessInterfaceMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sapTlsMrpDroppedPdus)	long	The value of sapTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SAP.
mrpRxEmptyEvent [Mrp Rx Empty Event] (sapTlsMrpRxEmptyEvent)	long	The value of sapTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SAP.
mrpRxInEvent [Mrp Rx In Event] (sapTlsMrpRxInEvent)	long	The value of sapTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SAP.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sapTlsMrpRxJoinEmptyEvent)	long	The value of sapTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SAP.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sapTlsMrpRxJoinInEvent)	long	The value of sapTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SAP.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sapTlsMrpRxLeaveEvent)	long	The value of sapTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SAP.

Table 415 l2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxNewEvent [Mrp Rx New Event] (sapTlsMrpRxNewEvent)	long	The value of sapTlsMrpRxNewEvent indicates the number of 'New' MRP events received on this SAP.
mrpRXPdus [Mrp Rx Pdus] (sapTlsMrpRXPdus)	long	The value of sapTlsMrpRXPdus indicates the number of MRP packets received on this SAP.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sapTlsMrpTxEmptyEvent)	long	The value of sapTlsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SAP.
mrpTxInEvent [Mrp Tx In Event] (sapTlsMrpTxInEvent)	long	The value of sapTlsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SAP.
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sapTlsMrpTxJoinEmptyEvent)	long	The value of sapTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SAP.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sapTlsMrpTxJoinInEvent)	long	The value of sapTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SAP.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sapTlsMrpTxLeaveEvent)	long	The value of sapTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SAP.
mrpTxNewEvent [Mrp Tx New Event] (sapTlsMrpTxNewEvent)	long	The value of sapTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SAP.
mrpTxPdus [Mrp Tx Pdus] (sapTlsMrpTxPdus)	long	The value of sapTlsMrpTxPdus indicates the number of MRP packets transmitted on this SAP.

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object specifies the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this PIP uplink.
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this PIP uplink.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		

Table 415 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 416 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 416 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 416 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 416 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 416 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 417 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: Idp.AccountingFecPrefix</p>		

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 417 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 418 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 418 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 418 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 418 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 419 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrMldIfStatsEntry</p> <p>Entry description: An entry in the vRtrMldIfStatsTable.</p> <p>Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.

Table 419 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.

Table 419 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.

Table 419 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 420 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
<p>S2LPathStats</p> <p>MIB entry name: vRtrMplsS2lSubLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.S2LPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 420 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 421 msdp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMsdpPeerStatsEntry</p> <p>Entry description: tmnxMsdpPeerStatsEntry is an entry (conceptual row) in the tmnxMsdpPeerStatsTable. Each entry represents a MSDP peer related statistics information.</p> <p>Table description (for tmnxMsdpPeerStatsTable): The table tmnxMsdpPeerStatsTable is the statistics information related to a MSDP peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • msdp.GroupPeer • msdp.Peer 		
errorMsgsReceived [Error Msgs Received] (tmnxMsdpPeerStatsErrorMsgsRcvd)	long	The value of tmnxMsdpPeerStatsErrorMsgsRcvd indicates number of error messages received.
keepAliveMsgsReceived [Keep Alive Msgs Received] (tmnxMsdpPeerStatsKAMsgsRcvd)	long	The value of tmnxMsdpPeerStatsKAMsgsRcvd indicates the number of keep-alive messages received.
keepAliveMsgsSent [Keep Alive Msgs Sent] (tmnxMsdpPeerStatsKAMsgsSent)	long	The value of tmnxMsdpPeerStatsKAMsgsSent indicates the number of keep-alive messages sent.
lastMsgPeer [Last Msg Peer] (tmnxMsdpPeerStatsLastMsgPeer)	long	The value of tmnxMsdpPeerStatsLastMsgPeer indicates how long ago the last message was received from this peer instance.
lastStateChange [Last State Change] (tmnxMsdpPeerStatsLastStChange)	long	The value of tmnxMsdpPeerStatsLastStChange indicates how long ago the peer state changed.

Table 421 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTimeouts [Peer Timeouts] (tmnxMsdpPeerStatsPeerTimeouts)	long	The value of tmnxMsdpPeerStatsPeerTimeouts indicates the number of peer timeouts.
remoteCloses [Remote Closes] (tmnxMsdpPeerStatsRemoteCloses)	long	The value of tmnxMsdpPeerStatsRemoteCloses indicates the number of times the remote peer closed.
reservedMsgsReceived [Reserved Msgs Received] (tmnxMsdpPeerStatsResvMsgsRcvd)	long	The value of tmnxMsdpPeerStatsResvMsgsRcvd indicates the number of MSDP messages received with type 'Reserved'.
rpfFailures [Rpf Failures] (tmnxMsdpPeerStatsRPFFailures)	long	The value of tmnxMsdpPeerStatsRPFFailures indicates number of reverse path forwarding (RPF) failures.
saLearned [Sa Learned] (tmnxMsdpPeerStatsSALearnt)	long	The value of tmnxMsdpPeerStatsSALearnt indicates the number of unique source active entries in the cache learned from the peer.
saLimitExceeded [Sa Limit Exceeded] (tmnxMsdpPeerStatsActSrcLimExcd)	long	The value of tmnxMsdpPeerStatsActSrcLimExcd indicates the number of times the global active source limit has been exceeded by this peer instance.
saMsgsReceived [Sa Msgs Received] (tmnxMsdpPeerStatsSAMsgsRcvd)	long	The value of tmnxMsdpPeerStatsSAMsgsRcvd indicates the number of source-active messages received.
saMsgsSent [Sa Msgs Sent] (tmnxMsdpPeerStatsSAMsgsSent)	long	The value of tmnxMsdpPeerStatsSAMsgsSent indicates the number of source-active messages sent.
saRejectExportPolicy [Sa Reject Export Policy] (tmnxMsdpPeerStatsSARejImpPolicy)	long	The value of tmnxMsdpPeerStatsSARejImpPolicy indicates the number of source active messages from the peer that were rejected due to import policy.

Table 421 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saRejectImportPolicy [Sa Reject Import Policy] (tmnxMsdpPeerStatsSARejExpPolicy)	long	The value of tmnxMsdpPeerStatsSARejExpPolicy indicates the number of source active messages from the peer that were not sent due to export policy.
saRequestMsgsReceived [Sa Request Msgs Received] (tmnxMsdpPeerStatsSAReqMsgsRecvd)	long	The value of tmnxMsdpPeerStatsSAReqMsgsRecvd indicates the number of source-active request messages received.
saRequestMsgsSent [Sa Request Msgs Sent] (tmnxMsdpPeerStatsSAReqMsgsSent)	long	The value of tmnxMsdpPeerStatsSAReqMsgsSent indicates the number of source-active request messages sent.
saResponseMsgsReceived [Sa Response Msgs Received] (tmnxMsdpPeerStatsSAResMsgsRecvd)	long	The value of tmnxMsdpPeerStatsSAResMsgsRecvd indicates the number of source-active response messages received.
saResponseMsgsSent [Sa Response Msgs Sent] (tmnxMsdpPeerStatsSAResMsgsSent)	long	The value of tmnxMsdpPeerStatsSAResMsgsSent indicates the number of source-active response messages sent.
unknownMsgsReceived [Unknown Msgs Received] (tmnxMsdpPeerStatsUnknMsgsRecvd)	long	The value of tmnxMsdpPeerStatsUnknMsgsRecvd indicates the number of unknown messages received.

Table 422 multicast statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastCacChannelServiceStats</p> <p>MIB entry name: tmnxMcacServStatsEntry</p> <p>Entry description: An entry in the tmnxMcacServStatsTable</p> <p>Table description (for tmnxMcacServStatsTable): The tmnxMcacServStatsTable has an entry for each service protocol (igmp-snooping on sap/sdp) channel that was either accepted/discarded by the applied multicast cac policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacServStatsAction)	int	The value of tmnxMcacServStatsAction indicates the action specified by the mcac policy for the service application to act upon.
algorithmReapply [Algorithm Reapply] (tmnxMcacServStatsAlgoReapply)	boolean	The value of tmnxMcacServStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the service application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacServStatsBundleAvailBW)	long	The value of tmnxMcacServStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
channelBw [Channel Bw] (tmnxMcacServStatsChannelBW)	long	The value of tmnxMcacServStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the service application.
channelRequestCount [Channel Request Count] (tmnxMcacServStatsApplyAttempts)	long	The value of tmnxMcacServStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the service application.
channelType [Channel Type] (tmnxMcacServStatsChannelType)	int	The value of tmnxMcacServStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the service application.

Table 422 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encapValueOrVcId [Encap Value Or VcId] (tmnxMcacServStatsEncapValue)	String	The value of tmnxMcacServStatsEncapValue indicates the SAP/SDP Encap value of which the mcac policy is applied.
interfaceAvailBw [Interface Avail Bw] (tmnxMcacServStatsIntfAvailBW)	long	The value of tmnxMcacServStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
portIdOrTunnelId [Port Id Or Tunnel Id] (tmnxMcacServStatsPortId)	String	The value of tmnxMcacServStatsPortId indicates the port Id of the SAP/SDP on which the mcac policy is applied.
reason [Reason] (tmnxMcacServStatsReason)	int	The value of tmnxMcacServStatsReason indicates the reason for the action specified by the mcac policy for the service application to act upon.
timeStamp [Time Stamp] (tmnxMcacServStatsTimeStamp)	long	The value of tmnxMcacServStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
<p>McastCacChannelStats MIB entry name: tmnxMcacStatsEntry Entry description: An entry in the tmnxMcacStatsTable Table description (for tmnxMcacStatsTable): The tmnxMcacStatsTable has an entry for each protocol interface channel that was either accepted/discarded by the applied multicast cac policy. This table is deprecated and replaced by tmnxMcacStatsNgTable. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacStatsAction)	int	The value of tmnxMcacStatsAction indicates the action specified by the mcac policy for the application interface to act upon.

Table 422 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
algorithmReapply [Algorithm Reapply] (tmnxMcacStatsAlgoReapply)	boolean	The value of tmnxMcacStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacStatsBundleAvailBW)	long	The value of tmnxMcacStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
bundleName [Bundle Name] (tmnxMcacStatsBundleName)	String	The value of tmnxMcacStatsBundleName indicates the name of the multicast CAC policy bundle. The value of tmnxMcacStatsBundleName could be an empty string, meaning that this particular statistics entry's channel did not belong to any bundle in the policy.
channelAddress [Channel Address] (tmnxMcacStatsChlAddr)	String	The value of tmnxMcacStatsChlAddr indicates the address of the multicast channel that mcac policy was applied upon when requested by the application interface. Address type is indicated by tmnxMcacStatsChlAddrType.
channelAddressType [Channel Address Type] (tmnxMcacStatsChlAddrType)	int	The value of tmnxMcacStatsChlAddrType indicates the address type of tmnxMcacStatsChlAddr.
channelBw [Channel Bw] (tmnxMcacStatsChannelBW)	long	The value of tmnxMcacStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the application interface.
channelRequestCount [Channel Request Count] (tmnxMcacStatsApplyAttempts)	long	The value of tmnxMcacStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the application.
channelType [Channel Type] (tmnxMcacStatsChannelType)	int	The value of tmnxMcacStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the application interface.

Table 422 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interfaceAvailBw [Interface Avail Bw] (tmnxMcacStatsIntfAvailBW)	long	The value of tmnxMcacStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
interfaceId [Interface Id] (tmnxMcacStatsIfIndex)	long	The value of tmnxMcacStatsIfIndex indicates the application interface index that has applied mcac policy.
protocolName [Protocol Name] (tmnxMcacStatsProtocolIndex)	int	The value of tmnxMcacStatsProtocolIndex indicates the application that has applied mcac policy.
reason [Reason] (tmnxMcacStatsReason)	int	The value of tmnxMcacStatsReason indicates the reason for the action specified by the mcac policy for the application interface to act upon.
timeStamp [Time Stamp] (tmnxMcacStatsTimeStamp)	long	The value of tmnxMcacStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
<p>McastCacOper MIB entry name: tmnxMcacOperEntry Entry description: An entry in the tmnxMcacOperTable Table description (for tmnxMcacOperTable): The tmnxMcacOperTable has an entry for each protocol interface that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy</p>		
activeChannels [Active Channels] (tmnxMcacOperActiveChannels)	long	The value of tmnxMcacOperActiveChannels indicates the number of active channels for this entry.

Table 422 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availMandBw [Avail Mand Bw] (tmnxMcacOperAvailMandBw)	long	The value of tmnxMcacOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacOperAvailOptnlBw)	long	The value of tmnxMcacOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
currConstrtlvl [Curr Constrt Lvl] (tmnxMcacOperCurrConstrtlvl)	long	The value of tmnxMcacOperCurrConstrtlvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacOperInUseMandBw)	long	The value of tmnxMcacOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacOperInUseOptnlBw)	long	The value of tmnxMcacOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this protocol interface instance.
maxBw [Max Bw] (tmnxMcacOperMaxBw)	long	The value of tmnxMcacOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
portsDown [Ports Down] (tmnxMcacOperPortsDown)	long	The value of tmnxMcacOperPortsDown indicates the the number of ports down on the application interface. This value is used to index the table tmnxMcacLagTable to get the bundle level id.

Table 422 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
valuesInTransit [Values In Transit] (tmnxMcacOperValuesInTransit)	boolean	The value of tmnxMcacOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacOperAvailOptnlBw tmnxMcacOperAvailMandBw tmnxMcacOperInUseMandBw tmnxMcacOperInUseOptnlBw When Multicast CAC Policy is applied on the interface for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacOperValuesInTransit will be set to 'false'. If the value of tmnxMcacOperValuesInTransit is 'true' then the values are in transition.
McastCacServOperStats MIB entry name: tmnxMcacServOperEntry Entry description: An entry in the tmnxMcacServOperTable Table description (for tmnxMcacServOperTable): The tmnxMcacServOperTable has an entry for each service application (igmp-snooping on sap/sdp) that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacServOperActiveChannels)	long	The value of tmnxMcacServOperActiveChannels indicates the number of active channels for this entry.
availMandBw [Avail Mand Bw] (tmnxMcacServOperAvailMandBw)	long	The value of tmnxMcacServOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacServOperAvailOptnlBw)	long	The value of tmnxMcacServOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.

Table 422 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currConstrLvl [Curr Constrt Lvl] (tmnxMcacServOperCurrConstrLvl)	long	The value of tmnxMcacServOperCurrConstrLvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacServOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacServOperInUseMandBw)	long	The value of tmnxMcacServOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacServOperInUseOptnlBw)	long	The value of tmnxMcacServOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this service application on sap/sdp instance.
maxBw [Max Bw] (tmnxMcacServOperMaxBw)	long	The value of tmnxMcacServOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.
portsDown [Ports Down] (tmnxMcacServOperPortsDown)	long	The value of tmnxMcacServOperPortsDown indicates the the number of ports down on the service application on sap/sdp. This value is used to index the table tmnxMcacLagTable to get the bundle level id.
valuesInTransit [Values In Transit] (tmnxMcacServOperValuesInTransit)	boolean	The value of tmnxMcacServOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacServOperAvailOptnlBw tmnxMcacServOperAvailMandBw tmnxMcacServOperInUseMandBw tmnxMcacServOperInUseOptnlBw When Multicast CAC Policy is applied on the sap/sdp for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacServOperValuesInTransit will be set to 'false'. If the value of tmnxMcacServOperValuesInTransit is 'true' then the values are in transition.

Table 423 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McEPPeerStats</p> <p>MIB entry name: tmnxMcEPPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcEPPeerStatsTable): The tmnxMcEPPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisEndpoint</p>		
configPacketsReceived [Config Packets Received] (tmnxMcEPPeerStatsPktsRxConfig)	long	The value of tmnxMcEPPeerStatsPktsRxConfig indicates how many valid MC-Endpoint control packets of type end-point config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcEPPeerStatsDropMD5)	long	The value of tmnxMcEPPeerStatsDropMD5 indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcEPPeerStatsPktsTxFailed)	long	The value of tmnxMcEPPeerStatsPktsTxFailed indicates how many MC-Endpoint control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlId)	long	The value of tmnxMcEPPeerStatsDropTlvInvlId indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis end-point.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlSz)	long	The value of tmnxMcEPPeerStatsDropTlvInvlSz indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet size was invalid.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcEPPeerStatsPktsRxKpalive)	long	The value of tmnxMcEPPeerStatsPktsRxKpalive indicates how many valid MC-Endpoint control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcEPPeerStatsPktsTxKpalive)	long	The value of tmnxMcEPPeerStatsPktsTxKpalive indicates how many MC-Endpoint control packets of type keepalive were transmitted from this system to the peer.
noEpPeerPacketsDropped [No Ep Peer Packets Dropped] (tmnxMcEPPeerStatsDropEpNoPeer)	long	The value of tmnxMcEPPeerStatsDropEpNoPeer indicates how many pkts were dropped because MC-Endpoint does not have a MC-peer assigned yet or MC-Endpoint is attached to a different peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcEPPeerStatsDropOutOfSeq)	long	The value of tmnxMcEPPeerStatsDropOutOfSeq indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcEPPeerStatsPktsRx)	long	The value of tmnxMcEPPeerStatsPktsRx indicates how many valid MC-Endpoint control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcEPPeerStatsPktsTx)	long	The value of tmnxMcEPPeerStatsPktsTx indicates how many MC-Endpoint control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcEPPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsRxPeerCfg indicates how many valid MC-Endpoint control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcEPPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsTxPeerCfg indicates how many MC-Endpoint control packets of type peer config were transmitted from this system to the peer.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcEPPeerStatsDropStateDsblld)	long	The value of tmnxMcEPPeerStatsDropStateDsblld indicates how many MC-Endpoint control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcEPPeerStatsPktsRxState)	long	The value of tmnxMcEPPeerStatsPktsRxState indicates how many valid MC-Endpoint control packets of type end-point state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcEPPeerStatsDropPktTooShrt)	long	The value of tmnxMcEPPeerStatsDropPktTooShrt indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcEPPeerStatsDropUnknownTlv)	long	The value of tmnxMcEPPeerStatsDropUnknownTlv indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>McWppPeerStats</p> <p>MIB entry name: tmnxMcWppPeerStatsEntry</p> <p>Entry description: Each conceptual row represents multi-chassis WPP peer statistics of a specific instance. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxMcWppPeerStatsTable): The tmnxMcWppPeerStatsTable shows multi-chassis WPP peer statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
noResources [No Resources] (tmnxMcWppPeerStatsVal)	long	The value of the object tmnxMcWppPeerStatsVal indicates the value of the statistics contained in this conceptual row.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInstance [Stats Instance] (tmnxMcWppPeerStatsInstance)	long	The value of the object tmnxMcWppPeerStatsInstance indicates the instance identifier of the statistics contained in this conceptual row.
<p>MultiChassisPeerRingStats MIB entry name: tmnxMcrPeerStatsEntry Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer. Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisRingNodeStats</p> <p>MIB entry name: tmnxMcrRingNodeStatsEntry</p> <p>Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisRingNode</p>		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rncvPacketsReceived [Rncv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rcvPacketsRoundTripTime [Rcv Packets Round Trip Time] (tmnxMcrRingNodeStatsRncvRtTime)	long	The value of tmnxMcrRingNodeStatsRncvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRncvRtTime is zero.
rcvPacketsTransmitted [Rcv Packets Transmitted] (tmnxMcrRingNodeStatsRncvTxReq)	long	The value of tmnxMcrRingNodeStatsRncvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.
<p>MultiChassisRingStats MIB entry name: tmnxMcrRingStatsEntry Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer. Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRing</p>		
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcRingStatsRxSapsChanged)	long	The value of tmnxMcRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcRingStatsTxSapsChanged)	long	The value of tmnxMcRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.

Table 423 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 424 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 424 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 424 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 425 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
<p>InterfaceStatusStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkGeneralStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		
events [Events] (tmnxOspfShamIfEvents)	long	The value of tmnxOspfShamIfEvents indicates the number of state changes or error events on this sham link.
ShamLinkNeighborGeneralStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 425 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 426 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 426 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 426 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 426 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInte- ger	The number of octets received in user data frames on this Port during the session.

Table 426 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort </p>		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 426 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 427 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTL Drops [Tx Register TTL Drops] (vRtrPimNgGenStatTxRegTTL Drops)	long	The value of vRtrPimNgGenStatTxRegTTL Drops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrddedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrddedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 427 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmatch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmatch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 428 ppp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppStats</p> <p>MIB entry name: tmnxPppEntry</p> <p>Entry description: Each row entry represents a port from the tmnxPortTable that is configured for PPP. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxPppTable): The tmnxPppTable has an entry for each port in the system that is configured for PPP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ppp.Interface</p>		
keepaliveEchoReplyPacketsReceived [Keepalive Echo Reply Packets Received] (tmnxPppKaInPktCount)	long	The number of echo-reply packets received.
keepaliveEchoRequestPacketsSent [Keepalive Echo Request Packets Sent] (tmnxPppKaOutPktCount)	long	The number of echo-request packets sent.
keepaliveThresholdExceedsCount [Keepalive Threshold Exceeds Count] (tmnxPppKaThresholdExceedsCount)	long	The number of times that tmnxPppKaDropCount was reached.
lqmInRate [Lqm In Rate] (tmnxPppLqmInRate)	long	The average of 'SaveInPackets'/'PeerOutPackets' in the last five consecutive LQRs received.
lqmLqrPacketsReceived [Lqm Lqr Packets Received] (tmnxPppLqmInPktCount)	long	The number of LQR packets received.
lqmLqrPacketsSent [Lqm Lqr Packets Sent] (tmnxPppLqmOutPktCount)	long	The number of LQR packets sent.

Table 428 ppp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lqmOutRate [Lqm Out Rate] (tmnxPppLqmOutRate)	long	The average of 'PeerInPackets'/'LastOutPackets' in the last five consecutive LQRs received.
lqmThresholdExceedsCount [Lqm Threshold Exceeds Count] (tmnxPppLqmThresholdExceedsCount)	long	The number of times that either tmnxPppLqmInRate or tmnxPppLqmOutRate falls below the specified quality percentage when PPP quality or LQM is enforced.

Table 429 radiusaccounting statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAcctPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber RADIUS accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyStatsTable): The tmnxSubAcctPlcyStatsTable has an entry for each subscriber RADIUS accounting policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.Policy</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRxResponses)	long	The value of tmnxSubAcctPlcyRxResponses indicates the number of accounting responses received for this policy.
requestRetries [Request Retries] (tmnxSubAcctPlcySendRetries)	long	The value of tmnxSubAcctPlcySendRetries indicates the number of retries to a different server for a single accounting request for this policy.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyReqTimeouts)	long	The value of tmnxSubAcctPlcyReqTimeouts indicates the number of accounting requests which have timed out for this policy.
requestsFail [Requests Fail] (tmnxSubAcctPlcySendFail)	long	The value of tmnxSubAcctPlcySendFail indicates how many accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyTxRequests)	long	The value of tmnxSubAcctPlcyTxRequests indicates the number of accounting requests transmitted for this policy.

Table 429 radiusaccounting statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAcctPlyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific RADIUS server in a subscriber accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlyRadStatsTable): The tmnxSubAcctPlyRadStatsTable has an entry for each RADIUS accounting server configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.RadiusEntry</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlyRadRxResponses)	long	The value of tmnxSubAcctPlyRadRxResponses indicates the number of accounting responses received for this server.
requestTimeOut [Request Time Out] (tmnxSubAcctPlyRadReqTimeouts)	long	The value of tmnxSubAcctPlyRadReqTimeouts indicates the number of accounting requests which have timed out for this server.
requestsFail [Requests Fail] (tmnxSubAcctPlyRadReqSendFail)	long	The value of tmnxSubAcctPlyRadReqSendFail indicates the number of accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlyRadTxRequests)	long	The value of tmnxSubAcctPlyRadTxRequests indicates the number of accounting requests transmitted for this server.

Table 430 ressubscr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
HostTrackStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Supports realtime plotting Does not support scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
sapInnerEncapValue [Sap Inner Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
sapPortId [Sap Port Id] (sapPortId)	String	The ID of the access port where this SAP is defined.
servicId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
statsType [Stats Type] (tmnxSubHostTrkStatsType)	int	The value of tmnxSubHostTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostTrkStatsVal.
statsValue [Stats Value] (tmnxSubHostTrkStatsVal)	long	The value of tmnxSubHostTrkStatsType indicates the value of the host tracking statistics of the type indicated by tmnxSubHostTrkStatsType, for this subscriber host.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.
<p>HostTrackStatsOnSap</p> <p>MIB entry name: tmnxSubHostSapTrkStatsEntry</p> <p>Entry description: Each row entry represents host tracking status and statistics information about a particular host. Rows are created or removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxSubHostSapTrkStatsTable): The tmnxSubHostSapTrkStatsTable shows statistics information about the video viewership of hosts, ordered by SAP.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		
statsType [Stats Type] (tmnxSubHostSapTrkStatsType)	int	The value of tmnxSubHostSapTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostSapTrkStatsVal.
statsValue [Stats Value] (tmnxSubHostSapTrkStatsVal)	long	The value of tmnxSubHostSapTrkStatsType indicates the value of the host tracking statistics of the type indicated by tmnxSubHostSapTrkStatsType, for this host.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostSapTrkHostAddr)	String	The value of tmnxSubHostSapTrkHostAddr indicates the address of the host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostSapTrkHostAddrType)	int	The value of tmnxSubHostSapTrkHostAddrType indicates the address type of tmnxSubHostSapTrkHostAddr.
<p>PPPSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppSvcTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP in a specific service. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppSvcTypeTable): The tmnxSubPppSvcTypeTable has information for each each type of subscriber PPP Session, ordered per service.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.Site • vprn.Site 		
pPPType [PPPTType] (tmnxSubPppSvcTypeIndex)	int	The value of the object tmnxSubPppSvcTypeIndex indicates the type of subscriber PPP.
pPPoL2tp [PPPo L2 tp] (tmnxSubPppSvcTypeSessions)	long	The value of the object tmnxSubPppSvcTypeSessions indicates the actual number of PPP session of this type.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstEgrQStats</p> <p>MIB entry name: tmnxSLAProfInstEgrQStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue.</p> <p>Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQStatsDropInProfileOctets [Egr QStats Drop In Profile Octets] (tmnxSPIEgrQStatsDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfOctets indicates the number of in-profile octets discarded by the egress Qchip.
egrQStatsDropInProfilePackets [Egr QStats Drop In Profile Packets] (tmnxSPIEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfPkts indicates the number of in-profile packets discarded by the egress Qchip.
egrQStatsDropOutProfileOctets [Egr QStats Drop Out Profile Octets] (tmnxSPIEgrQStatsDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfOctets indicates the number of out-of-profile octets discarded by the egress Qchip.
egrQStatsDropOutProfilePackets [Egr QStats Drop Out Profile Packets] (tmnxSPIEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip.
egrQStatsFwdInProfileOctets [Egr QStats Fwd In Profile Octets] (tmnxSPIEgrQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQStatsFwdInProfilePackets [Egr QStats Fwd In Profile Packets] (tmnxSPIEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQStatsFwdOutProfileOctets [Egr QStats Fwd Out Profile Octets] (tmnxSPIEgrQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQStatsFwdOutProfilePackets [Egr QStats Fwd Out Profile Packets] (tmnxSPIEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 430 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstIngQStats</p> <p>MIB entry name: sapBaselInfoEntry</p> <p>Entry description: Information about a specific SAP.</p> <p>Table description (for sapBaselInfoTable): A table that contains basic SAP information.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingQStatsDropHiPriorityOctets [Ing QStats Drop Hi Priority Octets] (tmnxSPInIngQStatsDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPInIngQStatsDropHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropHiPriorityPackets [Ing QStats Drop Hi Priority Packets] (tmnxSPInIngQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPInIngQStatsDropHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropLoPriorityOctets [Ing QStats Drop Lo Priority Octets] (tmnxSPInIngQStatsDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPInIngQStatsDropLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropLoPriorityPackets [Ing QStats Drop Lo Priority Packets] (tmnxSPInIngQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPInIngQStatsDropLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsFwdInProfileOctets [Ing QStats Fwd In Profile Octets] (tmnxSPInIngQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPInIngQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsFwdInProfilePackets [Ing QStats Fwd In Profile Packets] (tmnxSPInQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPInQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdOutProfileOctets [Ing QStats Fwd Out Profile Octets] (tmnxSPInQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPInQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQStatsFwdOutProfilePackets [Ing QStats Fwd Out Profile Packets] (tmnxSPInQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPInQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPInQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPInQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPInQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPInQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffUncoloredOctets [Ing QStats Off Uncolored Octets] (tmnxSPInQStatsOffUncolOctets)	java. math. BigInteger	The value of tmnxSPInQStatsOffUncolOctets indicates the number of uncolored octets offered to the ingress Qchip.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsOffUncoloredPackets [Ing QStats Off Uncolored Packets] (tmnxSPIIngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIIngQStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPIIngQStatsQueueId)	long	The value of tmnxSPIIngQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
<p>SLAProfInstStats</p> <p>MIB entry name: tmnxSLAProfInstStatsEntry</p> <p>Entry description: Each row entry contains basic statistics about a particular SLA profile instance.</p> <p>Table description (for tmnxSLAProfInstStatsTable): The tmnxSLAProfInstStatsTable contains basic statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQchipDropInProfileOctets [Egr Qchip Drop In Profile Octets] (tmnxSPIStatsEgrQchipDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfOctets indicates the number of in-profile octets dropped by the egress Qchip.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipDropInProfilePackets [Egr Qchip Drop In Profile Packets] (tmnxSPIStatsEgrQchipDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfPkts indicates the number of in-profile packets dropped by the egress Qchip.
egrQchipDropOutProfileOctets [Egr Qchip Drop Out Profile Octets] (tmnxSPIStatsEgrQchipDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfOctets indicates the number of out-of-profile octets dropped by the egress Qchip.
egrQchipDropOutProfilePackets [Egr Qchip Drop Out Profile Packets] (tmnxSPIStatsEgrQchipDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfPkts indicates the number of out-of-profile packets dropped by the egress Qchip.
egrQchipFwdInProfileOctets [Egr Qchip Fwd In Profile Octets] (tmnxSPIStatsEgrQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdInProfilePackets [Egr Qchip Fwd In Profile Packets] (tmnxSPIStatsEgrQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfileOctets [Egr Qchip Fwd Out Profile Octets] (tmnxSPIStatsEgrQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfilePackets [Egr Qchip Fwd Out Profile Packets] (tmnxSPIStatsEgrQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPchipOffHiPriorityOctets [Ing Pchip Off Hi Priority Octets] (tmnxSPIStatsIngPchipOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffHiPriorityPackets [Ing Pchip Off Hi Priority Packets] (tmnxSPIStatsIngPchipOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityOctets [Ing Pchip Off Lo Priority Octets] (tmnxSPIStatsIngPchipOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityPackets [Ing Pchip Off Lo Priority Packets] (tmnxSPIStatsIngPchipOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffUncoloredOctets [Ing Pchip Off Uncolored Octets] (tmnxSPIStatsIngPchipOffUncolOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolOctets indicates the number of uncolored octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffUncoloredPackets [Ing Pchip Off Uncolored Packets] (tmnxSPIStatsIngPchipOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolPkts indicates the number of uncolored packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQchipDropHiPriorityOctets [Ing Qchip Drop Hi Priority Octets] (tmnxSPIStatsIngQchipDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropHiPriorityPackets [Ing Qchip Drop Hi Priority Packets] (tmnxSPIStatsIngQchipDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipDropLoPriorityOctets [Ing Qchip Drop Lo Priority Octets] (tmnxSPIStatsIngQchipDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropLoPriorityPackets [Ing Qchip Drop Lo Priority Packets] (tmnxSPIStatsIngQchipDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipFwdInProfileOctets [Ing Qchip Fwd In Profile Octets] (tmnxSPIStatsIngQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQchipFwdInProfilePackets [Ing Qchip Fwd In Profile Packets] (tmnxSPIStatsIngQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingQchipFwdOutProfileOctets [Ing Qchip Fwd Out Profile Octets] (tmnxSPIStatsIngQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdOutProfilePackets [Ing Qchip Fwd Out Profile Packets] (tmnxSPIStatsIngQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubEgrQosArbiterStats</p> <p>MIB entry name: tmnxSubEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular subscriber QoS arbiter.</p> <p>Table description (for tmnxSubEgrQosArbitStatsTable): The tmnxSubEgrQosArbitStatsTable contains egress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
arbiterName [Arbiter Name] (tmnxSubEgrQosArbitStatsName)	String	The value of tmnxSubEgrQosArbitStatsName specifies the egress QoS arbiter of this subscriber.
subEgrQosArbitStatsFwdOcts [Sub Egr Qos Arbit Stats Fwd Octs] (tmnxSubEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
subEgrQosArbitStatsFwdPkts [Sub Egr Qos Arbit Stats Fwd Pkts] (tmnxSubEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
<p>SubEgrQosSchedStats</p> <p>MIB entry name: tmnxSubEgrQosSchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubEgrQosSchedStatsTable): The tmnxSubEgrQosSchedStatsTable contains egress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQoS SchedName [Egr QoS Sched Name] (tmnxSubEgrQoS SchedStatsName)	String	The value of tmnxSubEgrQoS SchedStatsName specifies the egress QoS scheduler of this subscriber.
forwardedOctets [Forwarded Octets] (tmnxSubEgrQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubEgrQoS SchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the subscriber egress scheduler policy.
forwardedPackets [Forwarded Packets] (tmnxSubEgrQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQoS SchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the subscriber egress scheduler policy.
<p>SubIngQoSArbiterStats</p> <p>MIB entry name: tmnxSubIngQoSArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS arbiter.</p> <p>Table description (for tmnxSubIngQoSArbitStatsTable): The tmnxSubIngQoSArbitStatsTable contains ingress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
arbiterName [Arbiter Name] (tmnxSubIngQoSArbitStatsName)	String	The value of tmnxSubIngQoSArbitStatsName specifies the ingress QoS arbiter of this subscriber.
subIngQoSArbitStatsFwdOcts [Sub Ing QoS Arbit Stats Fwd Octs] (tmnxSubIngQoSArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubIngQoSArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQosArbitStatsFwdPkts [Sub Ing Qos Arbit Stats Fwd Pkts] (tmnxSubIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.
<p>SubIngQosSchedStats</p> <p>MIB entry name: tmnxSubIngQosSchedStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubIngQosSchedStatsTable): The tmnxSubIngQosSchedStatsTable contains ingress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
forwardedOctets [Forwarded Octets] (tmnxSubIngQosSchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubIngQosSchedStatsFwdOctets indicates the number of forwarded octets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (tmnxSubIngQosSchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQosSchedStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
ingQosSchedName [Ing Qos Sched Name] (tmnxSubIngQosSchedStatsName)	String	The value of tmnxSubIngQosSchedStatsName specifies the ingress QoS scheduler of this subscriber.

Table 430 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TotalPppSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppTypeTable): The tmnxSubPppTypeTable has an entry for each each type of subscriber PPP Session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
pPPType [PPPTYPE] (tmnxSubPppTypeIndex)	int	The value of the object tmnxSubPppTypeIndex indicates the type of subscriber PPP.
pPPoL2tp [PPPo L2 tp] (tmnxSubPppTypeSessions)	long	The value of the object tmnxSubPppTypeSessions indicates the actual number of PPP session of this type.

Table 431 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceReceiveStats</p> <p>MIB entry name: vRtrRipIfStatEntry</p> <p>Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface.</p> <p>Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (vRtrRipIfStatAllRcvBadPackets)	long	vRtrRipIfStatAllRcvBadPackets is the number of RIP updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (vRtrRipIfStatV1BadRoutes)	long	vRtrRipIfStatV1BadRoutes is the number of routes, in valid RIPv1 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (vRtrRipIfStatV1RcvRequests)	long	vRtrRipIfStatV1RcvRequests is the number of RIPv1 request packets received by the RIP process.
v1RequestsIgnored [V1 Requests Ignored] (vRtrRipIfStatV1BadRequests)	long	vRtrRipIfStatV1BadRequests is the number of RIPv1 request packets received by the RIP process that were subsequently discarded for any reason.
v1Updates [V1 Updates] (vRtrRipIfStatV1RcvUpdates)	long	vRtrRipIfStatV1RcvUpdates is the number of RIPv1 response packets received by the RIP process.
v1UpdatesIgnored [V1 Updates Ignored] (vRtrRipIfStatV1BadUpdates)	long	vRtrRipIfStatV1BadUpdates is the number of RIPv1 response packets received by the RIP process which were subsequently discarded for any reason.

Table 431 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (vRtrRipIfStatAuthErrors)	long	vRtrRipIfStatAuthErrors is the number of RIPv2 packets received by the RIP process which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (vRtrRipIfStatV2BadRoutes)	long	vRtrRipIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (vRtrRipIfStatV2RcvRequests)	long	vRtrRipIfStatV2RcvRequests is the number of RIPv2 request packets received by the RIP process.
v2RequestsIgnored [V2 Requests Ignored] (vRtrRipIfStatV2BadRequests)	long	vRtrRipIfStatV2BadRequests is the number of RIPv2 request packets received by the RIP process that were subsequently discarded for any reason.
v2Updates [V2 Updates] (vRtrRipIfStatV2RcvUpdates)	long	vRtrRipIfStatV2RcvUpdates is the number of RIPv2 response packets received by the RIP process.
v2UpdatesIgnored [V2 Updates Ignored] (vRtrRipIfStatV2BadUpdates)	long	vRtrRipIfStatV2BadUpdates is the number of RIPv2 response packets received by the RIP process which were subsequently discarded for any reason.
InterfaceTransmitStats MIB entry name: vRtrRipIfStatEntry Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface. Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		

Table 431 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (vRtrRipIfStatAllSentUpdates)	long	vRtrRipIfStatAllSentUpdates is the number of all RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (vRtrRipIfStatAllTriggeredUpdates)	long	vRtrRipIfStatAllTriggeredUpdates is the number of triggered RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 432 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Alcatel-Lucent 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 432 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 433 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
tTl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
clientPktsProxUDB [Client Pkts Prox UDB] (vRtrIfDHCPRelayClientPktsProxUDB)	long	vRtrIfDHCPRelayClientPktsProxUDB indicates the total number of client packets proxied by the DHCP relay agent based on the local user database.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>DhcpRelayV6Stats</p> <p>MIB entry name: svclfDHCP6MsgStatEntry</p> <p>Entry description: Each row entry represents a collection of counters for each DHCP6 message type for an interface in a service. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for svclfDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each interface defined in a service for which DHCP6 can be enabled.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayV6Configuration • rtr.DhcpRelayV6ProxyServer 		
droppedPackets [Dropped Packets] (svclfDHCP6MsgStatsDropped)	long	The value of svclfDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped on this service interface.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPackets [Received Packets] (svclfDHCP6MsgStatsRcvd)	long	The value of svclfDHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received on this service interface.
transmittedPackets [Transmitted Packets] (svclfDHCP6MsgStatsSent)	long	The value of svclfDHCP6MsgStatsSent indicates the number of DHCP6 packets were sent on this service interface.
<p>NetworkInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV4Bytes [URPFCheck Fail V4 Bytes] (vRtrIfV4uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailBytes indicates the number of bytes in IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV4Pkts [URPFCheck Fail V4 Pkts] (vRtrIfV4uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailPkts indicates the number of IPv4 packets that fail uRPF check on this interface.
<p>PolicyAccountInterfaceStats</p> <p>MIB entry name: vRtrPlcyAcctInterfaceStatsEntry</p> <p>Entry description: Each row entry in the vRtrPlcyAcctInterfaceStatsTable represents statistics related to the vRtrPlcyAcctSrcClassTable and vRtrPlcyAcctDestClassTable.</p> <p>Table description (for vRtrPlcyAcctInterfaceStatsTable): The vRtrPlcyAcctInterfaceStatsTable has stats for each source class and dest class associated with an interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • ies.IPsecInterface • ies.L3AccessInterface • rtr.NetworkInterface • vprn.GroupInterface • vprn.IPsecInterface • vprn.L3AccessInterface 		
forwardBytes [Forward Bytes] (vRtrPlcyAcctRxFwdBytes)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdBytes indicates the total number of bytes received for this vRtrPlcyAcctIndex associated with the interface.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardPackets [Forward Packets] (vRtrPlcyAcctRxFwdPkts)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdPkts indicates the total number of packets received for this vRtrPlcyAcctIndex associated with the interface.
incompleteCount [Incomplete Count] (vRtrPlcyAcctRxIncompleteCnt)	boolean	The value of the object vRtrPlcyAcctRxIncompleteCnt indicates whether the count of vRtrPlcyAcctRxFwdBytes and vRtrPlcyAcctRxFwdPkts is incomplete or not. When the value of vRtrPlcyAcctRxIncompleteCnt is 'true', both vRtrPlcyAcctRxFwdBytes and vRtrPlcyAcctRxFwdPkts will be incomplete.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'bgp'.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeMplsTpTunnels [Active Mpls Tp Tunnels] (vRtrStatActiveMplsTpTunnels)	long	vRtrStatActiveMplsTpTunnels indicates the current number of active MPLS-TP tunnels.
activeRsvpTunnels [Active Rsvp Tunnels] (vRtrStatActiveRsvpTunnels)	long	The value of vRtrStatActiveRsvpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'rsvp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAciveRoutes)	long	vRtrBGPAciveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
dynamicArpEntries [Dynamic Arp Entries] (vRtrStatDynamicARPEntries)	long	The value of vRtrStatDynamicARPEntries indicates the total number of active and inactive dynamic ARP entries for the specified virtual router in the system.
hostActiveRoutes [Host Active Routes] (vRtrHostActiveRoutes)	long	The value of vRtrHostActiveRoutes indicates the current number of active direct routes with prefix value 32 for this instance of the route table.
hostRoutes [Host Routes] (vRtrHostRoutes)	long	The value of vRtrHostRoutes indicates the current number of direct routes with prefix value 32 for this instance of the route table.
iPsecActiveRoutes [IPsec Active Routes] (vRtrIPsecActiveRoutes)	long	The value of the object vRtrIPsecActiveRoutes indicates the current number of active IPsec routes for this instance of the route table.
iPsecRoutes [IPsec Routes] (vRtrIPsecRoutes)	long	The value of the object vRtrIPsecRoutes indicates the current number of IPsec routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
internalArpEntries [Internal Arp Entries] (vRtrStatInternalARPEntries)	long	The value of vRtrStatInternalARPEntries indicates the total number of active and inactive internal ARP entries for the specified virtual router in the system.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveRoutes [Ldp Active Routes] (vRtrLDPActiveRoutes)	long	vRtrLDPActiveRoutes indicates the current number of active ldp routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.
ldpRoutes [Ldp Routes] (vRtrLDPRoutes)	long	vRtrLDPRoutes indicates the current number of ldp routes for this instance of the route table.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
localArpEntries [Local Arp Entries] (vRtrStatLocalARPEntries)	long	The value of vRtrStatLocalARPEntries indicates the total number of active and inactive local ARP entries for the specified virtual router in the system.
managedActiveRoutes [Managed Active Routes] (vRtrManagedActiveRoutes)	long	The value of vRtrManagedActiveRoutes indicates the total number of active managed routes for the specified virtual router in the system.
managedArpEntries [Managed Arp Entries] (vRtrStatManagedARPEntries)	long	The value of vRtrStatManagedARPEntries indicates the total number of active and inactive managed ARP entries for the specified virtual router in the system.
managedRoutes [Managed Routes] (vRtrManagedRoutes)	long	The value of vRtrManagedRoutes indicates the total number of active and inactive managed routes for the specified virtual router in the system.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcastIpv4StatBGPEvpnActvRts [Mcast Ipv 4 Stat BGPEvpn Actv Rts] (vRtrMcastIpv4StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv4StatBGPEvpnActvRts indicates the total number of active IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
mcastIpv4StatBGPEvpnRoutes [Mcast Ipv 4 Stat BGPEvpn Routes] (vRtrMcastIpv4StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv4StatBGPEvpnRoutes indicates the total number of IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
perActiveRoutes [Per Active Routes] (vRtrPeriodicActiveRoutes)	long	The value of vRtrPeriodicActiveRoutes indicates the current number of active periodic routes for this instance of the route table.
perRoutes [Per Routes] (vRtrPeriodicRoutes)	long	The value of vRtrPeriodicRoutes indicates the current number of periodic routes for this instance of the route table.
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
statBGPEVPNARPEntries [Stat BGPEVPNARPEntries] (vRtrStatBGPEVPNARPEntries)	long	The value of vRtrStatBGPEVPNARPEntries indicates the total number of BGP EVPN ARP entries for the specified virtual router in the system.
statBGPEvpnActiveRoutes [Stat BGPEvpn Active Routes] (vRtrStatBGPEvpnActiveRoutes)	long	The value of vRtrStatBGPEvpnActiveRoutes indicates the total number of active IPv4 BGP EVPN route entries for the specified virtual router in the system.
statBGPEvpnRoutes [Stat BGPEvpn Routes] (vRtrStatBGPEvpnRoutes)	long	The value of vRtrStatBGPEvpnRoutes indicates the total number of IPv4 BGP EVPN route entries for the specified virtual router in the system.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticArpEntries [Static Arp Entries] (vRtrStatStaticARPEntries)	long	The value of vRtrStatStaticARPEntries indicates the total number of active and inactive static ARP entries for the specified virtual router in the system.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
subMgmtActiveRoutes [Sub Mgmt Active Routes] (vRtrSubMgmtActiveRoutes)	long	The value of vRtrSubMgmtActiveRoutes indicates the number of active subscriber management routes.
subMgmtRoutes [Sub Mgmt Routes] (vRtrSubMgmtRoutes)	long	The value of vRtrSubMgmtRoutes indicates the total number of subscriber management routes in the route Table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.
totalMplsTpTunnels [Total Mpls Tp Tunnels] (vRtrStatTotalMplsTpTunnels)	long	vRtrStatTotalMplsTpTunnels indicates the current number of both active and inactive MPLS-TP tunnels.
totalRsvpTunnels [Total Rsvp Tunnels] (vRtrStatTotalRsvpTunnels)	long	The value of vRtrStatTotalRsvpTunnels indicates the current number of both active and inactive RSVP tunnels.
vpnLeakActiveRoutes [Vpn Leak Active Routes] (vRtrVPNLeakActiveRoutes)	long	vRtrVPNLeakActiveRoutes indicates the current number of active VPN Leak routes for this instance of the route table.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnLeakRoutes [Vpn Leak Routes] (vRtrVPNLeakRoutes)	long	vRtrVPNLeakRoutes indicates the current number of VPN Leak routes for this instance of the route table.
<p>VirtualInterfaceIcmp6InStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIflcmp6OutGrpMembReductions)	long	The value of vRtrIflcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIflcmp6OutGrpMembResponses)	long	The value of vRtrIflcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIflcmp6OutNbrAdvertisements)	long	The value of vRtrIflcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIflcmp6OutNbrSolicits)	long	The value of vRtrIflcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.

Table 433 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 434 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.

Table 434 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.

Table 434 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 434 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 434 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.

Table 434 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.

Table 435 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>L3AccessInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.L3AccessInterface</p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>PppoeSapStats MIB entry name: tmnxPppoeSapStatsEntry Entry description: PPPoE statistics about a SAP. Table description (for tmnxPppoeSapStatsTable): A table that contains statistics on PPPoE per SAP. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.L2AccessInterface • vprn.ServiceAccessPoint 		

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapReceivedDropped [Pppoe Sap Received Dropped] (tmnxPppoeSapRxDropped)	long	The value of tmnxPppoeSapRxDropped indicates the number of dropped PPPoE packets.
pppoeSapReceivedInvalidAcCookie [Pppoe Sap Received Invalid Ac Cookie] (tmnxPppoeSapRxInvalidAcCookie)	long	The value of tmnxPppoeSapRxInvalidAcCookie indicates the number of PPPoE Active Discovery packets received with an invalid AC-Cookie tag.
pppoeSapReceivedInvalidCode [Pppoe Sap Received Invalid Code] (tmnxPppoeSapRxInvalidCode)	long	The value of tmnxPppoeSapRxInvalidCode indicates the number of PPPoE packets received with an invalid code field.
pppoeSapReceivedInvalidLen [Pppoe Sap Received Invalid Len] (tmnxPppoeSapRxInvalidLen)	long	The value of tmnxPppoeSapRxInvalidLen indicates the number of PPPoE packets received with an invalid length field.
pppoeSapReceivedInvalidMac [Pppoe Sap Received Invalid Mac] (tmnxPppoeSapRxInvalidMac)	long	The value of tmnxPppoeSapRxInvalidMac indicates the number of PPPoE packets received with an invalid MAC address.
pppoeSapReceivedInvalidSession [Pppoe Sap Received Invalid Session] (tmnxPppoeSapRxInvalidSession)	long	The value of tmnxPppoeSapRxInvalidSession indicates the number of PPPoE packets received with an invalid session-id field.
pppoeSapReceivedInvalidTags [Pppoe Sap Received Invalid Tags] (tmnxPppoeSapRxInvalidTags)	long	The value of tmnxPppoeSapRxInvalidTags indicates the number of PPPoE Active Discovery packets received with invalid tags.
pppoeSapReceivedInvalidType [Pppoe Sap Received Invalid Type] (tmnxPppoeSapRxInvalidType)	long	The value of tmnxPppoeSapRxInvalidType indicates the number of PPPoE packets received with an invalid type field.
pppoeSapReceivedInvalidVersion [Pppoe Sap Received Invalid Version] (tmnxPppoeSapRxInvalidVersion)	long	The value of tmnxPppoeSapRxInvalidVersion indicates the number of PPPoE packets received with an invalid version field.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapReceivedPADI [Pppoe Sap Received PADI] (tmnxPppoeSapRxPadi)	long	The value of tmnxPppoeSapRxPadi indicates the number of PADI (PPPoE Active Discovery Initiation) packets received on this SAP.
pppoeSapReceivedPADR [Pppoe Sap Received PADR] (tmnxPppoeSapRxPadr)	long	The value of tmnxPppoeSapRxPadr indicates the number of PADR (PPPoE Active Discovery Request) packets received on this SAP.
pppoeSapReceivedPADT [Pppoe Sap Received PADT] (tmnxPppoeSapRxPadt)	long	The value of tmnxPppoeSapRxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets received on this SAP.
pppoeSapReceivedSession [Pppoe Sap Received Session] (tmnxPppoeSapRxSession)	long	The value of tmnxPppoeSapRxSession indicates the number packets received during the PPP session stage on this SAP.
pppoeSapTransmittedPADO [Pppoe Sap Transmitted PADO] (tmnxPppoeSapTxPado)	long	The value of tmnxPppoeSapTxPado indicates the number of PADO (PPPoE Active Discovery Offer) packets transmitted on this SAP.
pppoeSapTransmittedPADS [Pppoe Sap Transmitted PADS] (tmnxPppoeSapTxPads)	long	The value of tmnxPppoeSapTxPads indicates the number of PADS (PPPoE Active Discovery Session) packets transmitted on this SAP.
pppoeSapTransmittedPADT [Pppoe Sap Transmitted PADT] (tmnxPppoeSapTxPadt)	long	The value of tmnxPppoeSapTxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets transmitted on this SAP.
pppoeSapTransmittedSession [Pppoe Sap Transmitted Session] (tmnxPppoeSapTxSession)	long	The value of tmnxPppoeSapTxSession indicates the number packets transmitted during the PPP session stage on this SAP.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInteger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchipDroppedPackets)	java. math. BigInteger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOfferedUncoloredOctets)	java. math. BigInteger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInteger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
<p>SapEgrQosArbiterStats</p> <p>MIB entry name: sapEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapEgrQosArbitStatsTable): The sapEgrQosArbitStatsTable contains egress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapEgrQosArbitStatsName)	String	The value of sapEgrQosArbitStatsName specifies the egress QoS arbiter of this SAP.
sapEgrQosArbitStatsFwdOcts [Sap Egr Qos Arbit Stats Fwd Octs] (sapEgrQosArbitStatsFwdOcts)	java. math. BigInte- ger	The value of sapEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrQosArbitStatsFwdPkts [Sap Egr Qos Arbit Stats Fwd Pkts] (sapEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
<p>SapEgrQosPlcyQueueStats</p> <p>MIB entry name: sapEgrQosPlcyQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue for a given Qos policy.</p> <p>Table description (for sapEgrQosPlcyQueueStatsTable): A table that contains egress QoS queue SAP statistics per Egress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyQueueStatsDroppedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfOctets indicates the number in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyQueueStatsDroppedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfPackets indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyQueueStatsDroppedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfOctets indicates the number out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyQueueStatsDroppedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfPackets indicates the number out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyQueueStatsForwardedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyQueueStatsForwardedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyQueuePolicyId)	long	The row index in the tSapEgressTable corresponding to this egress QoS policy.
queueId [Queue Id] (sapEgQosPlcyQueueId)	long	The value of sapEgQosPlcyQueueId indicates index of the egress QoS queue of this SAP.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPlcyStats</p> <p>MIB entry name: sapEgrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Egress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapEgrQosPlcyStatsTable): A table that contains Egress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyDroppedInProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfOctets indicates the number of in-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyDroppedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfPackets indicates the number of in-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyDroppedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfOctets indicates the number of out-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyDroppedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfPackets indicates the number of out-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQoSPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapEgQoSPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQoSPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapEgQoSPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQoSPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQoSPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQoSPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQoSPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQoSPlcyId)	long	The value of the object sapEgQoSPlcyId indicates the row index in the tSapEgressTable corresponding to this egress QoS policy, or one if no policy is specified.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdEgrQosArbitStatsTable): The sapPortIdEgrQosArbitStatsTable contains egress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdEgrQosArbitName)	String	The value of sapPortIdEgrQosArbitName is used as an index of the egress QoS arbiter of this SAP.
sapEgrQosAssignmentPortId [Sap Egr Qos Assignment Port Id] (sapPortIdEgrPortId)	String	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
sapEgrQosPortIdArbitFwdOcts [Sap Egr Qos Port Id Arbit Fwd Octs] (sapPortIdEgrQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.
sapEgrQosPortIdArbitFwdPkts [Sap Egr Qos Port Id Arbit Fwd Pkts] (sapPortIdEgrQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats</p> <p>MIB entry name: sapEgrQosSchedStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyPortStats</p> <p>MIB entry name: sapEgrSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyPortStatsTable): The sapEgrSchedPlcyPortStatsTable contains egress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyStats</p> <p>MIB entry name: sapEgrSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of octets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of packets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosArbiterStats</p> <p>MIB entry name: sapIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapIngQosArbitStatsTable): The sapIngQosArbitStatsTable contains ingress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapIngQosArbitStatsName)	String	The value of sapIngQosArbitStatsName specifies the ingress QoS arbiter of this SAP.
sapIngQosArbitStatsFwdOcts [Sap Ing Qos Arbit Stats Fwd Octs] (sapIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.
sapIngQosArbitStatsFwdPkts [Sap Ing Qos Arbit Stats Fwd Pkts] (sapIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPlcyQueueStats</p> <p>MIB entry name: sapIngQosPlcyQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapIngQosPlcyQueueStatsTable): A table that contains ingress QoS queue SAP statistics, per Ingress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosPlcyQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosPlcyQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosPlcyQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosPlcyQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedInProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedInProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
policyId [Policy Id] (sapIlgQosPlcyQueuePlcyId)	long	The value of the object sapIlgQosPlcyQueuePlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy.
queueId [Queue Id] (sapIlgQosPlcyQueueId)	long	The index of the ingress QoS queue of this SAP used by the policy indicated by sapIlgQosPlcyQueuePlcyId.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered indicates the number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered indicates the number of uncolored packets offered to the ingress Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngrQosPlcyStats</p> <p>MIB entry name: sapIngrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Ingress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapIngrQosPlcyStatsTable): A table that contains Ingress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngrQosPlcyDroppedHiPrioOctets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngrQosPlcyDroppedHiPrioPackets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngrQosPlcyDroppedLoPrioOctets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngrQosPlcyDroppedLoPrioPackets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQoSPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQoSPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQoSPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQoSPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
policyId [Policy Id] (sapIlgQoSPlcyId)	long	The value of the object sapIlgQoSPlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy, or one if no policy is specified.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdIngQosArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdIngQosArbitStatsTable): The sapPortIdIngQosArbitStatsTable contains ingress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdIngQosArbitName)	String	The value of sapPortIdIngQosArbitName is used as an index of the ingress QoS arbiter of this SAP.
sapIngQosPortIdArbitFwdOcts [Sap Ing Qos Port Id Arbit Fwd Octs] (sapPortIdIngQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.
sapIngQosPortIdArbitFwdPkts [Sap Ing Qos Port Id Arbit Fwd Pkts] (sapPortIdIngQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosQueueStats</p> <p>MIB entry name: sapIngQosQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQoS SchedStats</p> <p>MIB entry name: sapIngQoS SchedStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQoS SchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQoS SchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
qoS SchedName [QoS Sched Name] (sapIngQoS SchedName)	String	The index of the ingress QoS scheduler of this SAP.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlcyPortStats</p> <p>MIB entry name: sapIngSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyPortStatsTable): The sapIngSchedPlcyPortStatsTable contains ingress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 435 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlyStats</p> <p>MIB entry name: sapIngSchedPlyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlyStatsTable): A table that contains ingress QoS queue statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlyStatsFwdOct)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlyStatsFwdPkt)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 436 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 436 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats MIB entry name: tCpmIPv6FilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created. Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 436 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.

Table 436 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MafEntryStats</p> <p>MIB entry name: tmnxIPMafMatchEntry</p> <p>Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable).</p> <p>Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>RadiusNotifyStats</p> <p>MIB entry name: tmnxSubRadNotifyStatsObjects</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.

Table 436 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 437 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineCurrentStats MIB entry name: sonetFarEndLineCurrentEntry Entry description: An entry in the SONET/SDH Far End Line Current table. Table description (for sonetFarEndLineCurrentTable): The SONET/SDH Far End Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndLineCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineIntervalStats</p> <p>MIB entry name: sonetFarEndLineIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Line Interval table.</p> <p>Table description (for sonetFarEndLineIntervalTable): The SONET/SDH Far End Line Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndLineIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineIntervalSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathCurrentStats</p> <p>MIB entry name: sonetFarEndPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Current table.</p> <p>Table description (for sonetFarEndPathCurrentTable): The SONET/SDH Far End Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndPathCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathCurrentSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathIntervalStats</p> <p>MIB entry name: sonetFarEndPathIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Interval table.</p> <p>Table description (for sonetFarEndPathIntervalTable): The SONET/SDH Far End Path Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndPathIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathIntervalSEsS)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
SonetFarEndVtCurrentStats MIB entry name: sonetFarEndVtCurrentEntry Entry description: An entry in the SONET/SDH Far End VT Current table. Table description (for sonetFarEndVtCurrentTable): The SONET/SDH Far End VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetFarEndVtCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndVtCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVtCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVtCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetFarEndVTIntervalStats MIB entry name: sonetFarEndVTIntervalEntry Entry description: An entry in the SONET/SDH Far End VT Interval table. Table description (for sonetFarEndVTIntervalTable): The SONET/SDH Far End VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetFarEndVTIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndVTIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVTIntervalSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVTIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineCurrentStats MIB entry name: sonetLineCurrentEntry Entry description: An entry in the SONET/SDH Line Current table. Table description (for sonetLineCurrentTable): The SONET/SDH Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval.
currentStatus [Current Status] (sonetLineCurrentStatus)	long	This variable indicates the status of the interface. The sonetLineCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetLineNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetLineNoDefect 2 sonetLineAIS 4 sonetLineRDI
erroredSeconds [Errored Seconds] (sonetLineCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineCurrentSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetLineCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineIntervalStats</p> <p>MIB entry name: sonetLineIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Line Interval table.</p> <p>Table description (for sonetLineIntervalTable): The SONET/SDH Line Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetLineIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetLineIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetPathCurrentStats MIB entry name: sonetPathCurrentEntry Entry description: An entry in the SONET/SDH Path Current table. Table description (for sonetPathCurrentTable): The SONET/SDH Path Current table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval.
currentStatus [Current Status] (sonetPathCurrentStatus)	long	This variable indicates the status of the interface. The sonetPathCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetPathNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetPathNoDefect 2 sonetPathSTSLOP 4 sonetPathSTSAIS 8 sonetPathSTSRDI 16 sonetPathUnequipped 32 sonetPathSignalLabelMismatch
currentWidth [Current Width] (sonetPathCurrentWidth)	int	A value that indicates the type of the SONET/SDH Path. For SONET, the assigned types are the STS-Nc SPEs, where N = 1, 3, 12, 24, 48, 192 and 768. STS-1 is equal to 51.84 Mbps. For SDH, the assigned types are the STM-Nc VCs, where N = 1, 4, 16, 64 and 256.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetPathCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetPathCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval.
<p>SonetPathIntervalStats MIB entry name: sonetPathIntervalEntry Entry description: An entry in the SONET/SDH Path Interval table. Table description (for sonetPathIntervalTable): The SONET/SDH Path Interval table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetPathIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalNumber [Interval Number] (sonetPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathIntervalSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetPathIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in a particular 15-minute interval in the past 24 hours.
SonetSectionCurrentStats MIB entry name: sonetSectionCurrentEntry Entry description: An entry in the SONET/SDH Section Current table. Table description (for sonetSectionCurrentTable): The SONET/SDH Section Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval.
currentStatus [Current Status] (sonetSectionCurrentStatus)	long	This variable indicates the status of the interface. The sonetSectionCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetSectionNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetSectionNoDefect 2 sonetSectionLOS 4 sonetSectionLOF

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetSectionCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionCurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
SonetSectionIntervalStats MIB entry name: sonetSectionIntervalEntry Entry description: An entry in the SONET/SDH Section Interval table. Table description (for sonetSectionIntervalTable): The SONET/SDH Section Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetSectionIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetSectionIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionIntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionIntervalSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
SonetVtCurrentStats MIB entry name: sonetVtCurrentEntry Entry description: An entry in the SONET/SDH VT Current table. Table description (for sonetVtCurrentTable): The SONET/SDH VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVtCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in the current 15 minute interval.
currentStatus [Current Status] (sonetVtCurrentStatus)	long	This variable indicates the status of the interface. The sonetVtCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects and failures simultaneously. The sonetVTNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetVTNoDefect 2 sonetVTLOP 4 sonetVtPathAIS 8 sonetVtPathRDI 16 sonetVtPathRFI 32 sonetVTUnequipped 64 sonetVTSignalLabelMismatch
currentWidth [Current Width] (sonetVtCurrentWidth)	int	A value that indicates the type of the SONET VT and SDH VC. Assigned widths are VT1.5/VC11, VT2/VC12, VT3, VT6/VC2, and VT6c.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetVTCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetVTCurrentSEsS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetVTCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in the current 15 minute interval.
SonetVtIntervalStats MIB entry name: sonetVTIntervalEntry Entry description: An entry in the SONET/SDH VT Interval table. Table description (for sonetVTIntervalTable): The SONET/SDH VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVTIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetVTIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 437 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredSeconds [Severely Errored Seconds] (sonetVTIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetVTIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in a particular 15-minute interval in the past 24 hours.

Table 438 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 438 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 439 subscrauth statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAuthPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.Policy</p>		
rejectedAuthentications [Rejected Authentications] (tmnxSubAuthPlcyReject)	long	The value of tmnxSubAuthPlcyReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the authentication. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
rejectedRadiusFallbackAuthentications [Rejected Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackReject)	long	The value of tmnxSubAuthPlcyReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the fallback mechanism.
successfulAuthentications [Successful Authentications] (tmnxSubAuthPlcySuccess)	long	The value of tmnxSubAuthPlcySuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
successfulRadiusFallbackAuthentications [Successful Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackSuccess)	long	The value of tmnxSubAuthPlcySuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully by the fallback mechanism.

Table 439 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAuthPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific radius server in a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyRadStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.RadiusEntry</p>		
failedAuthenticationOverloadRequests [Failed Authentication Overload Requests] (tmnxSubAuthPlcyRadOvrldSendFail)	long	The value of tmnxSubAuthPlcyRadOvrldSendFail indicates how many authentication requests failed because the packet could not be sent out while the RADIUS server was in overload.
failedAuthenticationRequests [Failed Authentication Requests] (tmnxSubAuthPlcyRadSendFail)	long	The value of tmnxSubAuthPlcyRadSendFail indicates how many authentication requests failed because the packet could not be sent out.
md5VerificationFailedRequests [Md 5 Verification Failed Requests] (tmnxSubAuthPlcyRadMd5Fail)	long	The value of tmnxSubAuthPlcyRadMd5Fail indicates how many times the MD5 verification failed on a msg from this radius server.
pendingAuthenticationRequest [Pending Authentication Request] (tmnxSubAuthPlcyRadPending)	long	The value of tmnxSubAuthPlcyRadPending indicates how many authentication requests are currently pending.
rejectedAuthenticationRequests [Rejected Authentication Requests] (tmnxSubAuthPlcyRadReject)	long	The value of tmnxSubAuthPlcyRadReject indicates how many authentication requests were rejected by this radius server.
successfulAuthenticationRequests [Successful Authentication Requests] (tmnxSubAuthPlcyRadSuccess)	long	The value of tmnxSubAuthPlcyRadSuccess indicates how many authentication requests were accepted by this radius server.

Table 439 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timedOutAuthenticationRequests [Timed Out Authentication Requests] (tmnxSubAuthPlcyRadTimeout)	long	The value of tmnxSubAuthPlcyRadTimeout indicates how many times this radius did not reply to an authentication request within the timeout.

Table 440 svq statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustEgrQosPortIdArbiterStats</p> <p>MIB entry name: custEgrQosPortIdArbitStatsEntry</p> <p>Entry description: Each row entry represents the egress statistics for a customer multi-service-site egress arbiter.</p> <p>Table description (for custEgrQosPortIdArbitStatsTable): The custEgrQosPortIdArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custEgrQosPortIdArbitName)	String	The value of custEgrQosPortIdArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custEgrQosPortIdArbitFwdOcts [Cust Egr Qos Port Id Arbit Fwd Octs] (custEgrQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custEgrQosPortIdArbitFwdPkts [Cust Egr Qos Port Id Arbit Fwd Pkts] (custEgrQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustIngQosPortIdArbiterStats</p> <p>MIB entry name: custIngQosPortIdArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter.</p> <p>Table description (for custIngQosPortIdArbitStatsTable): The custIngQosPortIdArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 440 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (custIngQosPortIdArbitName)	String	The value of custIngQosPortIdArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custIngQosPortIdArbitFwdOcts [Cust Ing Qos Port Id Arbit Fwd Octets] (custIngQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.
custIngQosPortIdArbitFwdPkts [Cust Ing Qos Port Id Arbit Fwd Pkts] (custIngQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.
CustMultiSvcSiteEgrAggrScdrPlyStats MIB entry name: custMultiSvcSiteEgrStatsEntry Entry description: Egress statistics about a specific customer multi service site egress scheduler. Table description (for custMultiSvcSiteEgrStatsTable): A table that contains egress QoS scheduler statistics for the customer multi service site. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler		
forwardedOctets [Forwarded Octets] (custEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custEgrQosSchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custEgrQosSchedStatsForwardedPackets indicates number of forwarded packets, as determined by the customer multi service site egress scheduler policy.
schedulerName [Scheduler Name] (custEgrQosSchedName)	String	The index of the egress QoS scheduler of this customer multi service site.

Table 440 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteEgrQosArbiterStats</p> <p>MIB entry name: custMssEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific customer multi service site egress arbiter.</p> <p>Table description (for custMssEgrQosArbitStatsTable): The custMssEgrQosArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site, organized by arbiter.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssEgrQosArbitName)	String	The value of custMssEgrQosArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custMssEgrQosArbitStatsFwdOcts [Cust Mss Egr Qos Arbit Stats Fwd Octs] (custMssEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custMssEgrQosArbitStatsFwdPkts [Cust Mss Egr Qos Arbit Stats Fwd Pkts] (custMssEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustMultiSvcSiteEgrSchedPlcyPortStats</p> <p>MIB entry name: custMultiSvcSiteEgrSchedPlcyPortStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific customer multi service site egress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for custMultiSvcSiteEgrSchedPlcyPortStatsTable): The custMultiSvcSiteEgrSchedPlcyPortStatsTable contains egress QoS scheduler statistics for the customer multi service site, organized by scheduler policy.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 440 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (custEgrSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of custEgrSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of custEgrSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site egress scheduler policy.
portID [Port ID] (custEgrSchedPlcyPortStatsPort)	long	The value of custEgrSchedPlcyPortStatsPort is used as an index of the egress QoS scheduler of this customer multi service site. When an MSS assignment is an aps/ccag/lag in 'link' mode, each member-port of the aps/ccag/lag has its own scheduler. This object refers to the TmnxPortID of these member-ports.
<p>CustMultiSvcSiteEgrSchedPlcyStats MIB entry name: custMultiSvcSiteEgrSchedPlcyStatsEntry Entry description: Egress statistics about a specific customer multi service site egress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies. Table description (for custMultiSvcSiteEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the customer multi service site, organized by scheduler policy. Does not support realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The value of the object custEgrSchedPlcyStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The value of the object custEgrSchedPlcyStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site egress scheduler policy.

Table 440 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteIngAggrScdrPlcyStats</p> <p>MIB entry name: custMultiSvcSiteIngStatsEntry</p> <p>Entry description: Ingress statistics about a specific customer multi service site ingress scheduler.</p> <p>Table description (for custMultiSvcSiteIngStatsTable): A table that contains ingress QoS scheduler statistics for the customer multi service site.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedPackets indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.
schedulerName [Scheduler Name] (custIngQoS SchedName)	String	The index of the ingress QoS scheduler of this customer multi service site.
<p>CustMultiSvcSiteIngQoSArbiterStats</p> <p>MIB entry name: custMssIngQoSArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter.</p> <p>Table description (for custMssIngQoSArbitStatsTable): The custMssIngQoSArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site, organized by arbiter.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 440 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (custMssIngQosArbitName)	String	The value of custMssIngQosArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custMssIngQosArbitStatsFwdOcts [Cust Mss Ing Qos Arbit Stats Fwd Octs] (custMssIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.
custMssIngQosArbitStatsFwdPkts [Cust Mss Ing Qos Arbit Stats Fwd Pkts] (custMssIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.
<p>CustMultiSvcSiteIngSchedPlcyPortStats</p> <p>MIB entry name: custMultiSvcSiteIngSchedPlcyPortStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for custMultiSvcSiteIngSchedPlcyPortStatsTable): The custMultiSvcSiteIngSchedPlcyPortStatsTable contains ingress QoS scheduler statistics for the customer multi service site, organized by scheduler policy.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custIngSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of custIngSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of custIngSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.

Table 440 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portID [Port ID] (custIngSchedPlcyPortStatsPort)	long	The value of custIngSchedPlcyPortStatsPort is used as an index of the ingress QoS scheduler of this customer multi service site. When an MSS assignment is an aps/ccag/lag in 'link' mode, each member-port of the aps/ccag/lag has its own scheduler. This object refers to the TmnxPortID of these member-ports.
<p>CustMultiSvcSiteIngSchedPlcyStats</p> <p>MIB entry name: custMultiSvcSiteIngSchedPlcyStatsEntry</p> <p>Entry description: Ingress statistics about a specific customer multi service site egress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for custMultiSvcSiteIngSchedPlcyStatsTable): A table that contains ingress QoS scheduler statistics for the customer multi service site, organized by scheduler policy.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custIngSchedPlcyStatsFwdOct)	java. math. BigInteger	The value of the object custIngSchedPlcyStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngSchedPlcyStatsFwdPkt)	java. math. BigInteger	The value of the object custIngSchedPlcyStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.

Table 441 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats</p> <p>MIB entry name: sdpBindIgmppSnpStatsEntry</p> <p>Entry description: sdpBindIgmppSnpStatsEntry is an entry in the sdpBindIgmppSnpStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmppSnpStatsTable): sdpBindIgmppSnpStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumGrpSourcesDrops [Sdp Bnd Igm Psnpg Max Num Grp Sources Drops] (sdpBndIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SDP Bind.
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd Igm Psnpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd Igm Psnpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd Igm Psnpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd Igm Psnpg Rx Bad Igm P Chk Sm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd Igm Psnpg Rx Bad Ip Chk Sm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd Igm Psnpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.

Table 441 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 442 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1FarEndCurrentStats MIB entry name: dsx1FarEndCurrentEntry Entry description: An entry in the DS1 Far End Current table. Table description (for dsx1FarEndCurrentTable): The DS1 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end messages on the Facilities Data Link. The definitions are the same as described for the near-end information. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndCurrentBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndCurrentCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndCurrentDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndCurrentESs)	long	The number of Far End Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx1FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx1FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndCurrentLEsSs)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndCurrentPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndCurrentSEFSs)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndCurrentSEsSs)	long	The number of Far End Severely Errored Seconds.
timeElapsed [Time Elapsed] (dsx1FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1FarEndCurrentUASs)	long	The number of Unavailable Seconds.
validIntervals [Valid Intervals] (dsx1FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS1FarEndIntervalStats MIB entry name: dsx1FarEndIntervalEntry Entry description: An entry in the DS1 Far End Interval table. Table description (for dsx1FarEndIntervalTable): The DS1 Far End Interval Table contains various statistics collected by each DS1 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1FarEndIntervalNumber) for one specific instance (identified by dsx1FarEndIntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndIntervalBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndIntervalCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndIntervalDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndIntervalESS)	long	The number of Far End Errored Seconds.
intervalNumber [Interval Number] (dsx1FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndIntervalLESS)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndIntervalPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndIntervalSEFSS)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndIntervalSESS)	long	The number of Far End Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndIntervalUASs)	long	The number of Unavailable Seconds.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1FarEndTotalStats</p> <p>MIB entry name: dsx1FarEndTotalEntry</p> <p>Entry description: An entry in the DS1 Far End Total table.</p> <p>Table description (for dsx1FarEndTotalTable): The DS1 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndTotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndTotalCSSs)	long	The number of Far End Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1FarEndTotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1FarEndTotalESs)	long	The number of Far End Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndTotalLESs)	long	The number of Far End Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pathCodingViolations [Path Coding Violations] (dsx1FarEndTotalPCVs)	long	The number of Far End Path Coding Violations reported via the far end block error count encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndTotalSEFSs)	long	The number of Far End Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndTotalSEsSs)	long	The number of Far End Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndTotalUAsSs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESSs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1TotalStats</p> <p>MIB entry name: dsx1TotalEntry</p> <p>Entry description: An entry in the DS1 Total table.</p> <p>Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLEsS)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESSs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3CurrentStats MIB entry name: dsx3CurrentEntry Entry description: An entry in the DS3/E3 Current table. Table description (for dsx3CurrentTable): The DS3/E3 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3CurrentCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3CurrentCESSs)	long	The number of C-bit Errored Seconds.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3CurrentCSEs)	long	The number of C-bit Severely Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx3CurrentLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx3CurrentPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3CurrentPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3CurrentPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3CurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3CurrentUASs)	long	The counter associated with the number of Unavailable Seconds.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS3FarEndCurrentStats MIB entry name: dsx3FarEndCurrentEntry Entry description: An entry in the DS3 Far End Current table. Table description (for dsx3FarEndCurrentTable): The DS3 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end block error code within the C-bits. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndCurrentCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndCurrentCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndCurrentCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx3FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx3FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
timeElapsed [Time Elapsed] (dsx3FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndCurrentUASs)	long	The counter associated with the number of Far End unavailable seconds.
validIntervals [Valid Intervals] (dsx3FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS3FarEndIntervalStats</p> <p>MIB entry name: dsx3FarEndIntervalEntry</p> <p>Entry description: An entry in the DS3 Far End Interval table.</p> <p>Table description (for dsx3FarEndIntervalTable): The DS3 Far End Interval Table contains various statistics collected by each DS3 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndIntervalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndIntervalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in one of the previous 96, individual 15 minute, intervals. In the case where the agent is a proxy and data is not available, return noSuchInstance.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndIntervalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
unavailableSeconds [Unavailable Seconds] (dsx3FarEndIntervalUASs)	long	The counter associated with the number of Far End unavailable seconds.
DS3FarEndTotalStats MIB entry name: dsx3FarEndTotalEntry Entry description: An entry in the DS3 Far End Total table. Table description (for dsx3FarEndTotalTable): The DS3 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndTotalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndTotalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndTotalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndTotalUASs)	long	The counter associated with the number of Far End unavailable seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3IntervalStats MIB entry name: dsx3IntervalEntry Entry description: An entry in the DS3/E3 Interval table. Table description (for dsx3IntervalTable): The DS3/E3 Interval Table contains various statistics collected by each DS3/E3 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx3IntervalNumber) and for one specific interface (identified by dsx3IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3IntervalCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3IntervalCESs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3IntervalCSEs)	long	The number of C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineCodingViolations [Line Coding Violations] (dsx3IntervalLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3IntervalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences).
pBitCodingViolations [PBit Coding Violations] (dsx3IntervalPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3IntervalPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3IntervalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3IntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3IntervalUASs)	long	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3TotalStats</p> <p>MIB entry name: dsx3TotalEntry</p> <p>Entry description: An entry in the DS3/E3 Total table.</p> <p>Table description (for dsx3TotalTable): The DS3/E3 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3TotalCCVs)	long	The number of C-bit Coding Violations encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3TotalCESs)	long	The number of C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3TotalCSESs)	long	The number of C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx3TotalLCVs)	long	The counter associated with the number of Line Coding Violations encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx3TotalLESs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences) encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx3TotalPCVs)	long	The counter associated with the number of P-bit Coding Violations, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 442 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitErroredSeconds [PBit Errored Seconds] (dsx3TotalPESs)	long	The counter associated with the number of P-bit Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3TotalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3TotalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds, encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx3TotalUASs)	long	The counter associated with the number of Unavailable Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 443 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CaptureL2AccessInterfaceStats MIB entry name: msapCaptureSapStatsEntry Entry description: Statistics for a specific 'capture' SAP. Table description (for msapCaptureSapStatsTable): A table that contains statistics for SAPs with a sapSubType value of 'capture'. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface</p>		
captureSapTriggerType [Capture Sap Trigger Type] (msapCaptureSapStatsTriggerType)	int	The value of msapCaptureSapStatsTriggerType indicates the type of trigger packets this entry is for.
droppedPackets [Dropped Packets] (msapCaptureSapStatsPktsDropped)	long	The value of msapCaptureSapStatsPktsDropped indicates the number of packets dropped on this 'capture' SAP.
receivedPackets [Received Packets] (msapCaptureSapStatsPktsRecvd)	long	The value of msapCaptureSapStatsPktsRecvd indicates the number of packets received on this 'capture' SAP.
redirectPackets [Redirect Packets] (msapCaptureSapStatsPktsRedirect)	long	The value of msapCaptureSapStatsPktsRedirect indicates the number of packets redirected on this 'capture' SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CircuitDhcpRelayCfgStats</p> <p>MIB entry name: sdpBindDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS spoke SDP or mesh SDP.</p> <p>Table description (for sdpBindDhcpStatsTable): sdpBindDhcpStatsTable contains DHCP statistics related to a TLS SDP Bind. A row will exist in this table for each spoke or mesh SDP in a TIs Service. Rows are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svt.SdpBinding</p>		
sdpBindDhcpStatsClntDropdPckts [Sdp Bind Dhcp Stats Clnt Dropd Pckts] (sdpBindDhcpStatsClntDropdPckts)	long	The value of the object sdpBindDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SDP bind.
sdpBindDhcpStatsClntForwdPckts [Sdp Bind Dhcp Stats Clnt Forwd Pckts] (sdpBindDhcpStatsClntForwdPckts)	long	The value of the object sdpBindDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsClntProxLSPckts [Sdp Bind Dhcp Stats Clnt Prox LSPckts] (sdpBindDhcpStatsClntProxLSPckts)	long	The value of the object sdpBindDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sdpBindDhcpStatsClntProxRadPckts [Sdp Bind Dhcp Stats Clnt Prox Rad Pckts] (sdpBindDhcpStatsClntProxRadPckts)	long	The value of the object sdpBindDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a RADIUS server.
sdpBindDhcpStatsClntSnoopdPckts [Sdp Bind Dhcp Stats Clnt Snoopd Pckts] (sdpBindDhcpStatsClntSnoopdPckts)	long	The value of the object sdpBindDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SDP bind.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBindDhcpStatsGenForceRenPckts [Sdp Bind Dhcp Stats Gen Force Ren Pckts] (sdpBindDhcpStatsGenForceRenPckts)	long	The value of the object sdpBindDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SDP bind to the DHCP clients.
sdpBindDhcpStatsGenReleasePckts [Sdp Bind Dhcp Stats Gen Release Pckts] (sdpBindDhcpStatsGenReleasePckts)	long	The value of the object sdpBindDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SDP bind to the DHCP server.
sdpBindDhcpStatsSvrDropdPckts [Sdp Bind Dhcp Stats Svr Dropd Pckts] (sdpBindDhcpStatsSvrDropdPckts)	long	The value of the object sdpBindDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SDP bind.
sdpBindDhcpStatsSvrForwdPckts [Sdp Bind Dhcp Stats Svr Forwd Pckts] (sdpBindDhcpStatsSvrForwdPckts)	long	The value of the object sdpBindDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsSvrSnoopdPckts [Sdp Bind Dhcp Stats Svr Snoopd Pckts] (sdpBindDhcpStatsSvrSnoopdPckts)	long	The value of the object sdpBindDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SDP bind.
<p>InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping</p>		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
tmnxPimSnpgIfRxBadEncodings [Tmnx Pim Snpg If Rx Bad Encodings] (tmnxPimSnpgIfRxBadEncodings)	long	The value of tmnxPimSnpgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
tmnxPimSnpgIfRxBadVersionDscrd [Tmnx Pim Snpg If Rx Bad Version Dscrd] (tmnxPimSnpgIfRxBadVersionDscrd)	long	The value of tmnxPimSnpgIfRxBadVersionDscrd indicates the number of PIM messages with bad versions received on this interface.
tmnxPimSnpgIfRxHellos [Tmnx Pim Snpg If Rx Hellos] (tmnxPimSnpgIfRxHellos)	long	The value of tmnxPimSnpgIfRxHellos indicates the number of PIM hello messages received on this interface.
tmnxPimSnpgIfRxHellosDropped [Tmnx Pim Snpg If Rx Hellos Dropped] (tmnxPimSnpgIfRxHellosDropped)	long	The value of tmnxPimSnpgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
tmnxPimSnpgIfRxJoinPruneErrs [Tmnx Pim Snpg If Rx Join Prune Errs] (tmnxPimSnpgIfRxJoinPruneErrs)	long	The value of tmnxPimSnpgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
tmnxPimSnpgIfRxJoinPrunes [Tmnx Pim Snpg If Rx Join Prunes] (tmnxPimSnpgIfRxJoinPrunes)	long	The value of tmnxPimSnpgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
tmnxPimSnpgIfRxNbrUnknown [Tmnx Pim Snpg If Rx Nbr Unknown] (tmnxPimSnpgIfRxNbrUnknown)	long	The value of tmnxPimSnpgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpglfRxPkts [Tmnx Pim SnpG If Rx Pkts] (tmnxPimSnpglfRxPkts)	long	The value of tmnxPimSnpglfRxPkts indicates the number of multicast data packets received on this interface.
tmnxPimSnpglfSGTypes [Tmnx Pim SnpG If SGTypes] (tmnxPimSnpglfSGTypes)	long	The value of tmnxPimSnpglfSGTypes indicates the number of (S,G) entries in tmnxPimSnpglfGrpSrcTable.
tmnxPimSnpglfStarGTypes [Tmnx Pim SnpG If Star GTypes] (tmnxPimSnpglfStarGTypes)	long	The value of tmnxPimSnpglfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpglfGrpSrcTable.
tmnxPimSnpglfTxJoinPrunes [Tmnx Pim SnpG If Tx Join Prunes] (tmnxPimSnpglfTxJoinPrunes)	long	The value of tmnxPimSnpglfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpglfTxPkts [Tmnx Pim SnpG If Tx Pkts] (tmnxPimSnpglfTxPkts)	long	The value of tmnxPimSnpglfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>L2AccessInterfaceIcmpSnpGErrorStats</p> <p>MIB entry name: sapIcmpSnpGStatsEntry</p> <p>Entry description: sapIcmpSnpGStatsEntry is an entry in the sapIcmpSnpGStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapIcmpSnpGStatsTable): sapIcmpSnpGStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGImportPolicyDrops [Sap Igmp SnpG Import Policy Drops] (saplgmpSnpGImportPolicyDrops)	long	The value of the object saplgmpSnpGImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpGMaxNumGroupsDrops [Sap Igmp SnpG Max Num Groups Drops] (saplgmpSnpGMaxNumGroupsDrops)	long	The value of the object saplgmpSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpGMaxNumGrpSrcsDrops [Sap Igmp SnpG Max Num Grp Sources Drops] (saplgmpSnpGMaxNumGrpSrcsDrops)	long	The value of the object saplgmpSnpGMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SAP.
saplgmpSnpGMaxNumSourcesDrops [Sap Igmp SnpG Max Num Sources Drops] (saplgmpSnpGMaxNumSourcesDrops)	long	The value of the object saplgmpSnpGMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
saplgmpSnpGMcacPolicyDrops [Sap Igmp SnpG Mcac Policy Drops] (saplgmpSnpGMcacPolicyDrops)	long	The value of the object saplgmpSnpGMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.
saplgmpSnpGMcsFailures [Sap Igmp SnpG Mcs Failures] (saplgmpSnpGMcsFailures)	long	The value of the object saplgmpSnpGMcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
saplgmpSnpGRxBadEncodedPkts [Sap Igmp SnpG Rx Bad Encoded Pkts] (saplgmpSnpGRxBadEncodedPkts)	long	The value of the object saplgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpGRxBadIgmpChksmPkts [Sap Igmp SnpG Rx Bad Igmp Chksm Pkts] (saplgmpSnpGRxBadIgmpChksmPkts)	long	The value of the object saplgmpSnpGRxBadIgmpChksmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadIpChksmPkts [Sap Igmp SnpgrxBadIpChksmPkts] (saplgmpSnpgrxBadIpChksmPkts)	long	The value of the object saplgmpSnpgrxBadIpChksmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
L2AccessInterfacelgmpSnpgStats MIB entry name: saplgmpSnpgStatsEntry Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgFwdGenQueries [Sap Igmp Snpg Fwd Gen Queries] (saplgmpSnpgFwdGenQueries)	long	The value of the object saplgmpSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpgFwdGrpSpecQueries [Sap Igmp Snpg Fwd Grp Spec Queries] (saplgmpSnpgFwdGrpSpecQueries)	long	The value of the object saplgmpSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpgFwdSrcSpecQueries [Sap Igmp Snpg Fwd Src Spec Queries] (saplgmpSnpgFwdSrcSpecQueries)	long	The value of the object saplgmpSnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
saplgmpSnpgFwdUnknownType [Sap Igmp Snpg Fwd Unknown Type] (saplgmpSnpgFwdUnknownType)	long	The value of the object saplgmpSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpgFwdV1Reports [Sap Igmp Snpg Fwd V1 Reports] (saplgmpSnpgFwdV1Reports)	long	The value of the object saplgmpSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
saplgmpSnpGRxSrcSpecQueries [Sap Igmp SnpG Rx Src Spec Queries] (saplgmpSnpGRxSrcSpecQueries)	long	The value of the object saplgmpSnpGRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpGRxUnknownType [Sap Igmp SnpG Rx Unknown Type] (saplgmpSnpGRxUnknownType)	long	The value of the object saplgmpSnpGRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpGRxV1Reports [Sap Igmp SnpG Rx V1 Reports] (saplgmpSnpGRxV1Reports)	long	The value of the object saplgmpSnpGRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpGRxV2Leaves [Sap Igmp SnpG Rx V2 Leaves] (saplgmpSnpGRxV2Leaves)	long	The value of the object saplgmpSnpGRxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxV1Reports [Sap Igmp Snpgrx Tx V1 Reports] (saplgmpSnpgrxTxV1Reports)	long	The value of the object saplgmpSnpgrxTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpgrxTxV2Leaves [Sap Igmp Snpgrx Tx V2 Leaves] (saplgmpSnpgrxTxV2Leaves)	long	The value of the object saplgmpSnpgrxTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpgrxTxV2Reports [Sap Igmp Snpgrx Tx V2 Reports] (saplgmpSnpgrxTxV2Reports)	long	The value of the object saplgmpSnpgrxTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpgrxTxV3Reports [Sap Igmp Snpgrx Tx V3 Reports] (saplgmpSnpgrxTxV3Reports)	long	The value of the object saplgmpSnpgrxTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMldMvrStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgMvrFromVplsCfgDrops [Sap Mld Snpg Mvr From Vpls Cfg Drops] (sapMldSnpgMvrFromVplsCfgDrops)	long	The value of the object sapMldSnpgMvrFromVplsCfgDrops indicates the number of times an MLD group or Query is dropped because of applying the sapMldSnpgCfgMvrFromVplsId configuration on this SAP.
sapMldSnpgMvrToSapCfgDrops [Sap Mld Snpg Mvr To Sap Cfg Drops] (sapMldSnpgMvrToSapCfgDrops)	long	The value of the object sapMldSnpgMvrToSapCfgDrops indicates the number times an MLD Report or Query is dropped because of applying the sapMldSnpgCfgMvrToSapPortId and sapMldSnpgCfgMvrToSapEncapVal configuration on this SAP.
<p>L2AccessInterfaceMldSnpgErrorStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'.
<p>L2AccessInterfaceMldSnpgStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMvrStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapIgmPsnpgMvrFromVplsCfgDrops [Sap Igm Psnpg Mvr From Vpls Cfg Drops] (sapIgmPsnpgMvrFromVplsCfgDrops)	long	The value of the object sapIgmPsnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the sapIgmPsnpgCfgMvrFromVplsId configuration on this SAP.
sapIgmPsnpgMvrToSapCfgDrops [Sap Igm Psnpg Mvr To Sap Cfg Drops] (sapIgmPsnpgMvrToSapCfgDrops)	long	The value of the object sapIgmPsnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the sapIgmPsnpgCfgMvrToSapPortId and sapIgmPsnpgCfgMvrToSapEncapVal configuration on this SAP.
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTIsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTIsDhcpStatsTable): sapTIsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTIsInfoTable, and contains an entry for each TIs SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTIsDhcpStatsClntDropdPkts [Sap TIs Dhcp Stats Clnt Dropd Pkts] (sapTIsDhcpStatsClntDropdPkts)	long	The value of the object sapTIsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntForwdPckts [Sap Tls Dhcp Stats Clnt Forwd Pckts] (sapTlsDhcpStatsClntForwdPckts)	long	The value of the object sapTlsDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsSrvrSnoopdPkts [Sap Tls Dhcp Stats Srvr Snoopd Pkts] (sapTlsDhcpStatsSrvrSnoopdPkts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPkts indicates the number of DHCP server packets that have been snooped on this SAP.
<p>SdpBindingMldSnpgErrorStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.

Table 443 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numStarGTypes [Num Star GTypes] (tmnxPimSnpGGenStatsStarGTypes)	long	The value of tmnxPimSnpGGenStatsStarGTypes indicates the number of entries in tmnxPimSnpGGrpSrcTable for which the source type is 'starG'.
<p>SiteSourceGroupRecordPimSnoopingStats</p> <p>MIB entry name: tmnxPimSnpGGrpSrcStatsEntry</p> <p>Entry description: An entry in the tmnxPimSnpGGrpSrcStatsTable.</p> <p>Table description (for tmnxPimSnpGGrpSrcStatsTable): tmnxPimSnpGGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpGGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpGGrpSrcStatsFwdedOct [Tmnx Pim SnpG Grp Src Stats Fwded Oct] (tmnxPimSnpGGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpGGrpSrcStatsFwdedPkts [Tmnx Pim SnpG Grp Src Stats Fwded Pkts] (tmnxPimSnpGGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.

Table 444 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Alcatel-Lucent SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 444 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 444 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

Table 444 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceV6AdditionalStats</p> <p>MIB entry name: tVrrpRtrStatisticsEntry</p> <p>Entry description: Each row entry in the tVrrpRtrStatisticsTable represents additional columns in the vrrpRouterStatisticsTable for statistics specific to the Alcatel-Lucent SROS series VRRP implementation.</p> <p>Table description (for tVrrpRtrStatisticsTable): The tVrrpRtrStatisticsTable provides an extension of the vrrpRouterStatisticsTable in the TIMETRA-VRRP-V3-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatisticsTable, and the augmenting table, tVrrpRtrStatisticsTable. This in effect extends the vrrpRouterStatisticsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.InstanceV6</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tVrrpStatAdvIntvlDiscards)	long	The value of tVrrpStatAdvIntvlDiscards indicates the total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tVrrpStatAdvertiseSent)	long	The value of tVrrpStatAdvertiseSent indicates the total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tVrrpStatMasterChanges)	long	The value for tVrrpStatMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tVrrpStatPreemptEvents)	long	The value for tVrrpStatPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tVrrpStatPreemptedEvents)	long	The value for tVrrpStatPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.

Table 444 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalDiscards [Total Discards] (tVrrpStatTotalDiscards)	long	The value of tVrrpStatTotalDiscards indicates the total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceV6Stats MIB entry name: vrrpRouterStatisticsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatisticsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.InstanceV6		
addressListErrors [Address List Errors] (vrrpStatisticsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatisticsAdvIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseRcvd [Advertise Rcvd] (vrrpStatisticsRcvdAdvertisements)	long	The total number of VRRP advertisements received by this virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 444 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeMaster [Become Master] (vrrpStatisticsMasterTransitions)	long	The total number of times that this virtual router's state has transitioned to MASTER. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
invalidAuthType [Invalid Auth Type] (vrrpStatisticsRcvdInvalidAuthentications)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatisticsRcvdInvalidTypePkts)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
ipTtlErrors [Ip Ttl Errors] (vrrpStatisticsIpTtlErrors)	long	The total number of VRRP packets received by the Virtual router with IPv4 TTL (for VRRP over IPv4) or IPv6 Hop Limit (for VRRP over IPv6) not equal to 255. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
packetLengthErrors [Packet Length Errors] (vrrpStatisticsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatisticsRcvdPriZeroPackets)	long	The total number of VRRP packets received by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 444 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatisticsSentPriZeroPackets)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 445 wpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WppPortalStats</p> <p>MIB entry name: tmnxWppPortalEntry</p> <p>Entry description: Each conceptual row represents information about a particular WPP portal. Entries in this table can be created or deleted via SNMP operations. In order to create a conceptual row in this table, a row in the tmnxWppTable with the same value of the object vRtrID must exist.</p> <p>Table description (for tmnxWppPortalTable): The tmnxWppPortalTable contains objects to configure the WPP portals of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wpp.Portal</p>		
portalName [Portal Name] (tmnxWppPortalName)	String	The value of tmnxWppPortalName specifies the name of this WPP portal.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
wppPortalStatsInstance [Wpp Portal Stats Instance] (tmnxWppPortalStatsInstance)	long	The value of the object tmnxWppPortalStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppPortalStatsType it indicates unambiguously what the value of tmnxWppPortalStatsVal means. For example: if the value of the object tmnxWppPortalStatsType is equal to 'event', the value of tmnxWppPortalStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppPortalStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.

Table 445 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppPortalStatsName [Wpp Portal Stats Name] (tmnxWppPortalStatsName)	String	The value of the object tmnxWppPortalStatsType indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppPortalStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppPortalStatsType [Wpp Portal Stats Type] (tmnxWppPortalStatsType)	int	The value of the object tmnxWppPortalStatsType indicates the type of WPP statistics contained in this conceptual row.
wppPortalStatsVal [Wpp Portal Stats Val] (tmnxWppPortalStatsVal)	long	The value of the object tmnxWppPortalStatsType indicates the value of the statistics contained in this conceptual row.
<p>WppStats MIB entry name: vRtrConfEntry Entry description: Each row entry represents a virtual router in the system. Entries can be created and deleted via SNMP SET operations. Creation requires a SET request containing vRtrRowStatus, vRtrName and vRtrType. Note that rows in this table are usually created by the agent itself as a side affect of some other configuration; for example, when a service vprn is created by setting the appropriate objects in the TIMETRA-SERV-MIB. There will always be at least two row entries in this table, one of these entries represents the base or transport router and the other represents the management router. These entries are created when the system is initialized and can never be deleted. Table description (for vRtrConfTable): The vRtrConfTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: wpp.Site</p>		
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 445 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppStatsInstance [Wpp Stats Instance] (tmnxWppStatsInstance)	long	The value of the object tmnxWppStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppStatsType it indicates unambiguously what the value of tmnxWppStatsVal means. For example: if the value of the object tmnxWppStatsType is equal to 'event', the value of tmnxWppStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.
wppStatsName [Wpp Stats Name] (tmnxWppStatsName)	String	The value of the object tmnxWppStatsType indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppStatsType [Wpp Stats Type] (tmnxWppStatsType)	int	The value of the object tmnxWppStatsType indicates the type of WPP statistics contained in this conceptual row.
wppStatsVal [Wpp Stats Val] (tmnxWppStatsVal)	long	The value of the object tmnxWppStatsType indicates the value of the statistics contained in this conceptual row.

28 7750 SR performance statistics counters

28.1 Performance statistics counters

28.1.1 Counters

Table 446 aaa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaRadiusServerStats</p> <p>MIB entry name: tmnxRadIsaSrvStatsEntry</p> <p>Entry description: Each conceptual row represents a type of statistics of a connection with a particular RADIUS server. Rows in this table are automatically created and destroyed by the system.</p> <p>Table description (for tmnxRadIsaSrvStatsTable): The tmnxRadIsaSrvStatsTable contains statistics information about the connections with ISA RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.IsaRadiusServerConnection</p>		
statsName [Stats Name] (tmnxRadIsaSrvStatsName)	String	The value of the object tmnxRadIsaSrvStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxRadIsaSrvStatsType)	long	The value of tmnxRadIsaSrvStatsType indicates the type of ISA RADIUS server statistics contained in this conceptual row.
statsVal [Stats Val] (tmnxRadIsaSrvStatsValue)	long	The value of the object tmnxRadIsaSrvStatsValue indicates the value of the statistics contained in this conceptual row.
<p>L2tpRadiusEntryStats</p> <p>MIB entry name: tmnxL2tpApServStatsEntry</p> <p>Entry description: Each row represents statistics about a specific server of a specify L2TP accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxL2tpApServStatsTable): The tmnxL2tpApServStatsTable presents statistics of l2tp-accounting-policies' RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.L2tpRadiusEntry</p>		

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedRequestsPackets [Failed Requests Packets] (tmnxL2tpApServStatsReqSendFail)	long	The value of tmnxL2tpApServStatsReqSendFail indicates the number of RADIUS request packets that could not be transmitted for this server.
invAuthReponsesPackets [Inv Auth Reponses Packets] (tmnxL2tpApServStatsResplnvAuth)	long	The value of tmnxL2tpApServStatsResplnvAuth indicates the number of RADIUS response packets with an invalid Authenticator received from this server.
pendingRequestsPackets [Pending Requests Packets] (tmnxL2tpApServStatsReqPending)	long	The value of tmnxL2tpApServStatsReqPending indicates the number of RADIUS requests that are currently pending for this server.
reponsesPackets [Reponses Packets] (tmnxL2tpApServStatsRxResponses)	long	The value of tmnxL2tpApServStatsRxResponses indicates the number of RADIUS response packets received from this server.
requestsPackets [Requests Packets] (tmnxL2tpApServStatsTxRequests)	long	The value of tmnxL2tpApServStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.
statRetries [Stat Retries] (tmnxL2tpApServStatsSendRetries)	long	The value of tmnxL2tpApServStatsSendRetries indicates the number of retries to a different server for a single accounting request for this connection with this RADIUS server.
timeOut [Time Out] (tmnxL2tpApServStatsReqTimeout)	long	The value of tmnxL2tpApServStatsReqTimeout indicates the number of RADIUS requests that have timed out for this server.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadIsaPSStats</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radIsaPSStatsRxAcctRequest [Rad Isa PSStats Rx Acct Request] (tmnxRadIsaPSStatsRxAcctRequest)	long	The value of tmnxRadIsaPSStatsRxAcctRequest indicates the number of Accounting-Request packets received by this RADIUS Proxy Server.
radIsaPSStatsRxAuthRequest [Rad Isa PSStats Rx Auth Request] (tmnxRadIsaPSStatsRxAuthRequest)	long	The value of tmnxRadIsaPSStatsRxAuthRequest indicates the number of Access-Request packets received by this RADIUS Proxy Server.
radIsaPSStatsRxClientCtxtLim [Rad Isa PSStats Rx Client Ctxt Lim] (tmnxRadIsaPSStatsRxClientCtxtLim)	long	The value of tmnxRadIsaPSStatsRxClientCtxtLim indicates the number of packets received by this RADIUS Proxy Server that were rejected because the limit of client contexts was reached. For each RADIUS transaction a client context is created, and will be deleted once the transaction is finished.
radIsaPSStatsRxDropped [Rad Isa PSStats Rx Dropped] (tmnxRadIsaPSStatsRxDropped)	long	The value of tmnxRadIsaPSStatsRxDropped indicates the number of packets received by this RADIUS Proxy Server but dropped.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radIsaPSStatsRxInvAcctAuth [Rad Isa PSStats Rx Inv Acct Auth] (tmnxRadIsaPSStatsRxInvAcctAuth)	long	The value of tmnxRadIsaPSStatsRxInvAcctAuth indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Authenticator field.
radIsaPSStatsRxInvAcctStatus [Rad Isa PSStats Rx Inv Acct Status] (tmnxRadIsaPSStatsRxInvAcctStatus)	long	The value of tmnxRadIsaPSStatsRxInvAcctStatus indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Acct-Status-Type attribute.
radIsaPSStatsRxInvAttr [Rad Isa PSStats Rx Inv Attr] (tmnxRadIsaPSStatsRxInvAttr)	long	The value of tmnxRadIsaPSStatsRxInvAttr indicates the number of packets received by this RADIUS Proxy Server that were rejected because one of the attributes was incorrectly encoded.
radIsaPSStatsRxInvMsgAuth [Rad Isa PSStats Rx Inv Msg Auth] (tmnxRadIsaPSStatsRxInvMsgAuth)	long	The value of tmnxRadIsaPSStatsRxInvMsgAuth indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Message-Authenticator attribute.
radIsaPSStatsRxInvPassword [Rad Isa PSStats Rx Inv Password] (tmnxRadIsaPSStatsRxInvPassword)	long	The value of tmnxRadIsaPSStatsRxInvPassword indicates the number of packets received by this RADIUS Proxy Server that were rejected because the User-Password attribute could not be decoded.
radIsaPSStatsRxMgmtOverload [Rad Isa PSStats Rx Mgmt Overload] (tmnxRadIsaPSStatsRxMgmtOverload)	long	The value of tmnxRadIsaPSStatsRxMgmtOverload indicates the number of packets that were rejected by this RADIUS server because the ISA management core is not able to process any new RADIUS requests because of overload.
radIsaPSStatsRxNoAaaPol [Rad Isa PSStats Rx No Aaa Pol] (tmnxRadIsaPSStatsRxNoAaaPol)	long	The value of tmnxRadIsaPSStatsRxNoAaaPol indicates the number of packets received by this RADIUS Proxy Server that were rejected because it has no ISA RADIUS server policy configured for that type of packet.
radIsaPSStatsRxNoAcctStatus [Rad Isa PSStats Rx No Acct Status] (tmnxRadIsaPSStatsRxNoAcctStatus)	long	The value of tmnxRadIsaPSStatsRxNoAcctStatus indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained no Acct-Status-Type attribute.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radlsaPSStatsRxPacket [Rad Isa PSStats Rx Packet] (tmnxRadlsaPSStatsRxPacket)	long	The value of tmnxRadlsaPSStatsRxPacket indicates the number of packets received by this RADIUS Proxy Server.
radlsaPSStatsRxRetransmit [Rad Isa PSStats Rx Retransmit] (tmnxRadlsaPSStatsRxRetransmit)	long	The value of tmnxRadlsaPSStatsRxRetransmit indicates the number of packets received by this RADIUS Proxy Server that were rejected because they are retransmitted.
radlsaPSStatsRxWrongPurpose [Rad Isa PSStats Rx Wrong Purpose] (tmnxRadlsaPSStatsRxWrongPurpose)	long	The value of tmnxRadlsaPSStatsRxWrongPurpose indicates the number of packets received by this RADIUS Proxy Server that were rejected because the value of tmnxRadProxSrvPurpose is set to a value not matching the type of packet.
radlsaPSStatsTxAcctResponse [Rad Isa PSStats Tx Acct Response] (tmnxRadlsaPSStatsTxAcctResponse)	long	The value of tmnxRadlsaPSStatsTxAcctResponse indicates the number of Accounting-Response packets transmitted by this RADIUS Proxy Server.
radlsaPSStatsTxAuthAck [Rad Isa PSStats Tx Auth Ack] (tmnxRadlsaPSStatsTxAuthAck)	long	The value of tmnxRadlsaPSStatsTxAuthAck indicates the number of Access-Accept packets transmitted by this RADIUS Proxy Server.
radlsaPSStatsTxAuthChallenge [Rad Isa PSStats Tx Auth Challenge] (tmnxRadlsaPSStatsTxAuthChallenge)	long	The value of tmnxRadlsaPSStatsTxAuthChallenge indicates the number of Access-Challenge packets transmitted by this RADIUS Proxy Server.
radlsaPSStatsTxAuthReject [Rad Isa PSStats Tx Auth Reject] (tmnxRadlsaPSStatsTxAuthReject)	long	The value of tmnxRadlsaPSStatsTxAuthReject indicates the number of Access-Reject packets transmitted by this RADIUS Proxy Server.
radlsaPSStatsTxDropped [Rad Isa PSStats Tx Dropped] (tmnxRadlsaPSStatsTxDropped)	long	The value of tmnxRadlsaPSStatsTxDropped indicates the number of packets dropped by this RADIUS Proxy Server before transmission.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radIsaPSStatsTxSendFailure [Rad Isa PSStats Tx Send Failure] (tmnxRadIsaPSStatsTxSendFailure)	long	The value of tmnxRadIsaPSStatsTxSendFailure indicates the number of packets that were dropped by this RADIUS server because the packet could not get transmitted to one of the servers in the ISA RADIUS server policy.
radIsaPSStatsTxSrvInvAttr [Rad Isa PSStats Tx Srv Inv Attr] (tmnxRadIsaPSStatsTxSrvInvAttr)	long	The value of tmnxRadIsaPSStatsTxSrvInvAttr indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid attribute.
radIsaPSStatsTxSrvInvAuth [Rad Isa PSStats Tx Srv Inv Auth] (tmnxRadIsaPSStatsTxSrvInvAuth)	long	The value of tmnxRadIsaPSStatsTxSrvInvAuth indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid response Authenticator.
radIsaPSStatsTxSrvInvMsgAuth [Rad Isa PSStats Tx Srv Inv Msg Auth] (tmnxRadIsaPSStatsTxSrvInvMsgAuth)	long	The value of tmnxRadIsaPSStatsTxSrvInvMsgAuth indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid Message-Authenticator attribute.
radIsaPSStatsTxSrvTimeout [Rad Isa PSStats Tx Srv Timeout] (tmnxRadIsaPSStatsTxSrvTimeout)	long	The value of tmnxRadIsaPSStatsTxSrvTimeout indicates the number of packets that were dropped because the RADIUS servers have timed out.
radIsaSrvStatGrpId [Rad Isa Srv Stat Grp Id] (tmnxRadIsaSrvStatGrpId)	int	The value of the object tmnxRadIsaSrvStatGrpId specifies the identifier of the Integrated Service Adaptor group.
radIsaSrvStatMemberId [Rad Isa Srv Stat Member Id] (tmnxRadIsaSrvStatMemberId)	int	The value of the object tmnxRadIsaSrvStatMemberId indicates the identifier of this ISA Group member.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadPSStats</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatsRxAcctRequest [Rad PSSStats Rx Acct Request] (tmnxRadPSStatsRxAcctRequest)	long	The value of tmnxRadPSStatsRxAcctRequest indicates the number of Accounting-Request packets received by this RADIUS Proxy Server.
radPSStatsRxAdminDown [Rad PSSStats Rx Admin Down] (tmnxRadPSStatsRxAdminDown)	long	The value of tmnxRadPSStatsRxAdminDown indicates the number of packets received by this RADIUS Proxy Server that were rejected because it is administratively shut down.
radPSStatsRxAuthRequest [Rad PSSStats Rx Auth Request] (tmnxRadPSStatsRxAuthRequest)	long	The value of tmnxRadPSStatsRxAuthRequest indicates the number of Access-Request packets received by this RADIUS Proxy Server.
radPSStatsRxDropped [Rad PSSStats Rx Dropped] (tmnxRadPSStatsRxDropped)	long	The value of tmnxRadPSStatsRxDropped indicates the number of packets received by this RADIUS Proxy Server but dropped.
radPSStatsRxDroppedByPython [Rad PSSStats Rx Dropped By Python] (tmnxRadPSStatsRxDroppedByPython)	long	The value of tmnxRadPSStatsRxDroppedByPython indicates the number of packets received by this RADIUS Proxy Server but dropped by Python.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxInvAcctAuth [Rad PSSStats Rx Inv Acct Auth] (tmnxRadPSStatsRxInvAcctAuth)	long	The value of tmnxRadPSStatsRxInvAcctAuth indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Authenticator field.
radPSStatsRxInvAcctStatusTyp [Rad PSSStats Rx Inv Acct Status Typ] (tmnxRadPSStatsRxInvAcctStatusTyp)	long	The value of tmnxRadPSStatsRxInvAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Acct-Status-Type attribute.
radPSStatsRxInvAttr [Rad PSSStats Rx Inv Attr] (tmnxRadPSStatsRxInvAttr)	long	The value of tmnxRadPSStatsRxInvAttr indicates the number of packets received by this RADIUS Proxy Server that were rejected because one of the attributes was incorrectly encoded.
radPSStatsRxInvCode [Rad PSSStats Rx Inv Code] (tmnxRadPSStatsRxInvCode)	long	The value of tmnxRadPSStatsRxInvCode indicates the number of packets received by this RADIUS Proxy Server that were rejected because they had an invalid Code field.
radPSStatsRxInvLen [Rad PSSStats Rx Inv Len] (tmnxRadPSStatsRxInvLen)	long	The value of tmnxRadPSStatsRxInvLen indicates the number of packets received by this RADIUS Proxy Server that were rejected because their length was invalid.
radPSStatsRxInvMsgAuth [Rad PSSStats Rx Inv Msg Auth] (tmnxRadPSStatsRxInvMsgAuth)	long	The value of tmnxRadPSStatsRxInvMsgAuth indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Message-Authenticator attribute.
radPSStatsRxInvPassword [Rad PSSStats Rx Inv Password] (tmnxRadPSStatsRxInvPassword)	long	The value of tmnxRadPSStatsRxInvPassword indicates the number of packets received by this RADIUS Proxy Server that were rejected because the User-Password attribute could not be decoded.
radPSStatsRxInvUserName [Rad PSSStats Rx Inv User Name] (tmnxRadPSStatsRxInvUserName)	long	The value of tmnxRadPSStatsRxInvUserName indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid User-Name attribute.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxNoAaaPol [Rad PSSStats Rx No Aaa Pol] (tmnxRadPSStatsRxNoAaaPol)	long	The value of tmnxRadPSStatsRxNoAaaPol indicates the number of packets received by this RADIUS Proxy Server that were rejected because it has no RADIUS server policy configured for that type of packet.
radPSStatsRxNoAcctStatusTyp [Rad PSSStats Rx No Acct Status Typ] (tmnxRadPSStatsRxNoAcctStatusTyp)	long	The value of tmnxRadPSStatsRxNoAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained no Acct-Status-Type attribute.
radPSStatsRxNoLoadBKey [Rad PSSStats Rx No Load BKey] (tmnxRadPSStatsRxNoLoadBKey)	long	The value of tmnxRadPSStatsRxNoLoadBKey indicates the number of packets received by this RADIUS Proxy Server that were rejected because the selected RADIUS server policy's algorithm (tmnxRadSrvPlcyAlgorithm) is set to 'hashBased' and no load balance key (tmnxRadProxSrvLoadBalanceKey) is configured.
radPSStatsRxNoMemory [Rad PSSStats Rx No Memory] (tmnxRadPSStatsRxNoMemory)	long	The value of tmnxRadPSStatsRxNoMemory indicates the number of packets that were rejected by this RADIUS server because there was not enough memory to store them.
radPSStatsRxPacket [Rad PSSStats Rx Packet] (tmnxRadPSStatsRxPacket)	long	The value of tmnxRadPSStatsRxPacket indicates the number of packets received by this RADIUS Proxy Server.
radPSStatsRxRetransmit [Rad PSSStats Rx Retransmit] (tmnxRadPSStatsRxRetransmit)	long	The value of tmnxRadPSStatsRxRetransmit indicates the number of packets received by this RADIUS Proxy Server that were rejected because they are retransmitted.
radPSStatsRxUserOverload [Rad PSSStats Rx User Overload] (tmnxRadPSStatsRxUserOverload)	long	The value of tmnxRadPSStatsRxUserOverload indicates the number of packets that were rejected by this RADIUS server because the registered user indicated to be in overload.
radPSStatsTxAcctResponse [Rad PSSStats Tx Acct Response] (tmnxRadPSStatsTxAcctResponse)	long	The value of tmnxRadPSStatsTxAcctResponse indicates the number of Accounting-Response packets transmitted by this RADIUS Proxy Server.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxAuthAck [Rad PSSStats Tx Auth Ack] (tmnxRadPSStatsTxAuthAck)	long	The value of tmnxRadPSStatsTxAuthAck indicates the number of Access-Accept packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthChallenge [Rad PSSStats Tx Auth Challenge] (tmnxRadPSStatsTxAuthChallenge)	long	The value of tmnxRadPSStatsTxAuthChallenge indicates the number of Access-Challenge packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthReject [Rad PSSStats Tx Auth Reject] (tmnxRadPSStatsTxAuthReject)	long	The value of tmnxRadPSStatsTxAuthReject indicates the number of Access-Reject packets transmitted by this RADIUS Proxy Server.
radPSStatsTxCacheAttrTooLong [Rad PSSStats Tx Cache Attr Too Long] (tmnxRadPSStatsTxCacheAttrTooLong)	long	The value of tmnxRadPSStatsTxCacheAttrTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the total length of the attributes is too long.
radPSStatsTxCacheKeyTooLong [Rad PSSStats Tx Cache Key Too Long] (tmnxRadPSStatsTxCacheKeyTooLong)	long	The value of tmnxRadPSStatsTxCacheKeyTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information present in the packet was too long.
radPSStatsTxCacheMaxEntries [Rad PSSStats Tx Cache Max Entries] (tmnxRadPSStatsTxCacheMaxEntries)	long	The value of tmnxRadPSStatsTxCacheMaxEntries indicates the number of packets that could not be cached by this RADIUS Proxy Server because the limit has been reached.
radPSStatsTxCacheNoKey [Rad PSSStats Tx Cache No Key] (tmnxRadPSStatsTxCacheNoKey)	long	The value of tmnxRadPSStatsTxCacheNoKey indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information was not present in the packet.
radPSStatsTxDropped [Rad PSSStats Tx Dropped] (tmnxRadPSStatsTxDropped)	long	The value of tmnxRadPSStatsTxDropped indicates the number of packets dropped by this RADIUS Proxy Server before transmission.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxDroppedByPython [Rad PSSStats Tx Dropped By Python] (tmnxRadPSStatsTxDroppedByPython)	long	The value of tmnxRadPSStatsTxDroppedByPython indicates the number of packets that were dropped by this RADIUS server because the packet was dropped by the Python script.
radPSStatsTxNoMemory [Rad PSSStats Tx No Memory] (tmnxRadPSStatsTxNoMemory)	long	The value of tmnxRadPSStatsTxNoMemory indicates the number of packets that could not be transmitted by this RADIUS Proxy Server because there was not enough memory.
radPSStatsTxNoRadiusServer [Rad PSSStats Tx No Radius Server] (tmnxRadPSStatsTxNoRadiusServer)	long	The value of tmnxRadPSStatsTxNoRadiusServer indicates the number of packets that were dropped by this RADIUS server because the RADIUS server policy has no servers configured.
radPSStatsTxSendFailure [Rad PSSStats Tx Send Failure] (tmnxRadPSStatsTxSendFailure)	long	The value of tmnxRadPSStatsTxSendFailure indicates the number of packets that were dropped by this RADIUS server because the packet could not get transmitted to one of the servers in the RADIUS server policy.
radPSStatsTxServerAuthFail [Rad PSSStats Tx Server Auth Fail] (tmnxRadPSStatsTxServerAuthFail)	long	The value of tmnxRadPSStatsTxServerAuthFail indicates the number of packets that were dropped because the RADIUS server replied with a packet which failed authentication (invalid response Authenticator or Message-Authenticator attribute).
radPSStatsTxServerInvAttr [Rad PSSStats Tx Server Inv Attr] (tmnxRadPSStatsTxServerInvAttr)	long	The value of tmnxRadPSStatsTxServerInvAttr indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid attribute.
radPSStatsTxServerInvCode [Rad PSSStats Tx Server Inv Code] (tmnxRadPSStatsTxServerInvCode)	long	The value of tmnxRadPSStatsTxServerInvCode indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid Code field.
radPSStatsTxServerTimeout [Rad PSSStats Tx Server Timeout] (tmnxRadPSStatsTxServerTimeout)	long	The value of tmnxRadPSStatsTxServerTimeout indicates the number of packets that were dropped because the RADIUS servers have timed out.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxUserOverload [Rad PSSStats Tx User Overload] (tmnxRadPSStatsTxUserOverload)	long	The value of tmnxRadPSStatsTxUserOverload indicates the number of packets that were dropped because the registered user indicated to be in overload.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadPSStatus</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatusCacheEntries [Rad PSSStatus Cache Entries] (tmnxRadPSStatusCacheEntries)	long	The value of tmnxRadPSStatusCacheEntries indicates the number of entries in the cache of this RADIUS Proxy Server.
radPSStatusCacheEntriesReg [Rad PSSStatus Cache Entries Reg] (tmnxRadPSStatusCacheEntriesReg)	long	The value of tmnxRadPSStatusCacheEntriesReg indicates the number of entries in the cache of this RADIUS Proxy Server. Pending entries have a registered application. An example of an application that could register to a cache entry is Subscriber Management of DHCP clients.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadRouteDownloadStats MIB entry name: tmnxRadRDStatsEntry Entry description: Each conceptual row represents statistics about a particular Route Downloader. Rows are created and destroyed automatically by the system. Table description (for tmnxRadRDStatsTable): The tmnxRadRDStatsTable contains statistics about the RADIUS Route Downloaders of this system. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RouteDownloadPolicy</p>		
accessAcceptedPkts [Access Accepted Pkts] (tmnxRadRDStatsRxAccessAccept)	long	The value of tmnxRadRDStatsRxAccessAccept indicates the number of Access-Accept packets received by this Route Downloader.
accessDroppedPkts [Access Dropped Pkts] (tmnxRadRDStatsRxAccessAcceptDrop)	long	The value of tmnxRadRDStatsRxAccessAcceptDrop indicates the number of Access-Accept packets received but dropped by this Route Downloader.
accessRejectedPkts [Access Rejected Pkts] (tmnxRadRDStatsRxAccessReject)	long	The value of tmnxRadRDStatsRxAccessReject indicates the number of Access-Reject packets received by this Route Downloader.
accessRequests [Access Requests] (tmnxRadRDStatsTxAccessRequest)	long	The value of tmnxRadRDStatsTxAccessRequest indicates the number of Access-Requests sent by this Route Downloader.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accessRetries [Access Retries] (tmnxRadRDStatsTxAccessReqRetry)	long	The value of tmnxRadRDStatsTxAccessReqRetry indicates the number of Access-Requests retries for this Route Downloader.
installingFailures [Installing Failures] (tmnxRadRDStatsRtmFailures)	long	The value of tmnxRadRDStatsRtmFailures indicates the number of times installing received routes failed for this Route Downloader.
lastAccessAccept [Last Access Accept] (tmnxRadRDStatsRxLastAccessAccept)	long	The value of tmnxRadRDStatsRxLastAccessAccept indicates when this Route Downloader last received an Access-Accept packet.
lastAccessReject [Last Access Reject] (tmnxRadRDStatsRxLastAccessReject)	long	The value of tmnxRadRDStatsRxLastAccessReject indicates when this Route Downloader last received an Access-Reject packet.
lastAccessRequest [Last Access Request] (tmnxRadRDStatsTxLastAccessReq)	long	The value of tmnxRadRDStatsTxLastAccessReq indicates when this Route Downloader last sent an Access-Request packet.
lastAccessRetry [Last Access Retry] (tmnxRadRDStatsTxLastAccReqRetry)	long	The value of tmnxRadRDStatsTxLastAccReqRetry indicates the time of the last Access-Request retry.
numOfDownloads [Num Of Downloads] (tmnxRadRDStatsDownloads)	long	The value of tmnxRadRDStatsDownloads indicates the number of downloads started by this Route Downloader.
remainingTime [Remaining Time] (tmnxRadRDStatsRemainingDownlTime)	long	The value of tmnxRadRDStatsRemainingDownlTime indicates the remaining time before the next download attempt.
retryTime [Retry Time] (tmnxRadRDStatsRemainingRetryTime)	long	The value of tmnxRadRDStatsRemainingRetryTime indicates the remaining time before the next download retry.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routesReceived [Routes Received] (tmnxRadRDStatsRoutesReceived)	long	The value of tmnxRadRDStatsRoutesReceived indicates the number of routes received in the last completed route download process.
<p>RadSrvPlcyMsgBufStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusServerPolicy</p>		
bufMsgPlcyName [Buf Msg Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
lastBufClean [Last Buf Clean] (tmnxRadSrvPlcyLastBufClean)	long	The value of tmnxRadSrvPlcyLastBufClean indicates the sysUpTime at the time of the most recent reset (empty) of the message buffer.
lastBufStatsClean [Last Buf Stats Clean] (tmnxRadSrvPlcyLastBufStatsClean)	long	The value of tmnxRadSrvPlcyLastBufStatsClean indicates the sysUpTime at the time of the most recent reset of the message buffer statistics.
nbrAcctInterimBuf [Nbr Acct Interim Buf] (tmnxRadSrvPlcyNbrAcctInterimBuf)	long	The value of tmnxRadSrvPlcyNbrAcctInterimBuf indicates the number of RADIUS accounting interim update messages that are currently buffered for this radius server policy.
nbrAcctInterimDrop [Nbr Acct Interim Drop] (tmnxRadSrvPlcyNbrAcctInterimDrop)	long	The value of tmnxRadSrvPlcyNbrAcctInterimDrop indicates the number of RADIUS accounting interim update messages that were dropped from the buffer because their lifetime expired.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nbrAcctStopBuf [Nbr Acct Stop Buf] (tmnxRadSrvPlcyNbrAcctStopBuf)	long	The value of tmnxRadSrvPlcyNbrAcctStopBuf indicates the number of RADIUS accounting stop messages that are currently buffered for this radius server policy.
nbrAcctStopDrop [Nbr Acct Stop Drop] (tmnxRadSrvPlcyNbrAcctStopDrop)	long	The value of tmnxRadSrvPlcyNbrAcctStopDrop indicates the number of RADIUS accounting stop messages that were dropped from the buffer because their lifetime expired.
<p>RadSrvPlcyStats MIB entry name: tmnxRadSrvPlcyEntry Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus. Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RadiusServerPolicy</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvPlcyStatsAcctFailed [Rad Srv Plcy Stats Acct Failed] (tmnxRadSrvPlcyStatsAcctFailed)	long	The value of tmnxRadSrvPlcyStatsAcctFailed indicates the number of accounting failures for this policy.
radSrvPlcyStatsAuthFailed [Rad Srv Plcy Stats Auth Failed] (tmnxRadSrvPlcyStatsAuthFailed)	long	The value of tmnxRadSrvPlcyStatsAuthFailed indicates the number of authentication failures for this policy.
radSrvPlcyStatsRatioFailure [Rad Srv Plcy Stats Ratio Failure] (tmnxRadSrvPlcyStatsFailureRatio)	int	The value of tmnxRadSrvPlcyStatsFailureRatio indicates the transaction failure ratio for this policy.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvPlcyStatsRatioReject [Rad Srv Plcy Stats Ratio Reject] (tmnxRadSrvPlcyStatsRejectRatio)	int	The value of tmnxRadSrvPlcyStatsRejectRatio indicates the ratio of access-rejects in the auth responses for this policy.
radSrvPlcyStatsRatioSuccess [Rad Srv Plcy Stats Ratio Success] (tmnxRadSrvPlcyStatsSuccessRatio)	int	The value of tmnxRadSrvPlcyStatsSuccessRatio indicates the transaction success ratio for this policy.
radSrvPlcyStatsReqRejected [Rad Srv Plcy Stats Req Rejected] (tmnxRadSrvPlcyStatsReqRejected)	long	The value of tmnxRadSrvPlcyStatsReqRejected indicates the number of RADIUS transaction requests that were not transmitted due to unacceptable configuration.
radSrvPlcyStatsReqSendFail [Rad Srv Plcy Stats Req Send Fail] (tmnxRadSrvPlcyStatsReqSendFail)	long	The value of tmnxRadSrvPlcyStatsReqSendFail indicates the number of RADIUS transaction requests that could not be transmitted.
radSrvPlcyStatsReqSendRetry [Rad Srv Plcy Stats Req Send Retry] (tmnxRadSrvPlcyStatsReqSendRetry)	long	The value of tmnxRadSrvPlcyStatsReqSendRetry indicates the number of times a RADIUS request packet was retransmitted to a server.
radSrvPlcyStatsReqTimeout [Rad Srv Plcy Stats Req Timeout] (tmnxRadSrvPlcyStatsReqTimeout)	long	The value of tmnxRadSrvPlcyStatsReqTimeout indicates the number of RADIUS transaction requests that have timed out.
radSrvPlcyStatsRxResponses [Rad Srv Plcy Stats Rx Responses] (tmnxRadSrvPlcyStatsRxResponses)	long	The value of tmnxRadSrvPlcyStatsRxResponses indicates the number of RADIUS transaction responses received.
radSrvPlcyStatsTxRequests [Rad Srv Plcy Stats Tx Requests] (tmnxRadSrvPlcyStatsTxRequests)	long	The value of tmnxRadSrvPlcyStatsTxRequests indicates the number of RADIUS transaction requests transmitted.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadSrvStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.ServerEntry</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvStatsAcctAvgDelay10 [Rad Srv Stats Acct Avg Delay 10] (tmnxRadSrvStatsAcctAvgDelay10)	long	The value of tmnxRadSrvStatsAcctAvgDelay10 indicates in microseconds, the average response delay for the last 10 accounting packets.
radSrvStatsAcctAvgDelay100 [Rad Srv Stats Acct Avg Delay 100] (tmnxRadSrvStatsAcctAvgDelay100)	long	The value of tmnxRadSrvStatsAcctAvgDelay100 indicates in microseconds, the average response delay for the last 100 accounting packets.
radSrvStatsAcctAvgDelay1000 [Rad Srv Stats Acct Avg Delay 1000] (tmnxRadSrvStatsAcctAvgDelay1000)	long	The value of tmnxRadSrvStatsAcctAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 accounting packets.
radSrvStatsAcctAvgDelay10000 [Rad Srv Stats Acct Avg Delay 10000] (tmnxRadSrvStatsAcctAvgDelay10000)	long	The value of tmnxRadSrvStatsAcctAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 accounting packets.
radSrvStatsAuthAvgDelay10 [Rad Srv Stats Auth Avg Delay 10] (tmnxRadSrvStatsAuthAvgDelay10)	long	The value of tmnxRadSrvStatsAuthAvgDelay10 indicates in microseconds, the average response delay for the last 10 authentication packets.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsAuthAvgDelay100 [Rad Srv Stats Auth Avg Delay 100] (tmnxRadSrvStatsAuthAvgDelay100)	long	The value of tmnxRadSrvStatsAuthAvgDelay100 indicates in microseconds, the average response delay for the last 100 authentication packets.
radSrvStatsAuthAvgDelay1000 [Rad Srv Stats Auth Avg Delay 1000] (tmnxRadSrvStatsAuthAvgDelay1000)	long	The value of tmnxRadSrvStatsAuthAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 authentication packets.
radSrvStatsAuthAvgDelay10000 [Rad Srv Stats Auth Avg Delay 10000] (tmnxRadSrvStatsAuthAvgDelay10000)	long	The value of tmnxRadSrvStatsAuthAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 authentication packets.
radSrvStatsFailedAcct [Rad Srv Stats Failed Acct] (tmnxRadSrvStatsAcctFailed)	long	The value of tmnxRadSrvStatsAcctFailed indicates the number of accounting failures for this server.
radSrvStatsFailedAuth [Rad Srv Stats Failed Auth] (tmnxRadSrvStatsAuthFailed)	long	The value of tmnxRadSrvStatsAuthFailed indicates the number of authentication failures for this server.
radSrvStatsReqOvrlSendFail [Rad Srv Stats Req Ovr Id Send Fail] (tmnxRadSrvStatsReqOvrlSendFail)	long	The value of tmnxRadSrvStatsReqOvrlSendFail indicates the number of RADIUS request packets that could not be transmitted while the RADIUS server was in overload.
radSrvStatsReqPending [Rad Srv Stats Req Pending] (tmnxRadSrvStatsReqPending)	long	The value of tmnxRadSrvStatsReqPending indicates the number of RADIUS request packets that are currently waiting for reply from this server.
radSrvStatsReqSendFailure [Rad Srv Stats Req Send Failure] (tmnxRadSrvStatsReqSendFailure)	long	The value of tmnxRadSrvStatsReqSendFailure indicates the number of RADIUS request packets that could not be transmitted for this server.
radSrvStatsReqTimeout [Rad Srv Stats Req Timeout] (tmnxRadSrvStatsReqTimeout)	long	The value of tmnxRadSrvStatsReqTimeout indicates the number of RADIUS request packets that have timed out for this server.

Table 446 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsRespInvAuth [Rad Srv Stats Resp Inv Auth] (tmnxRadSrvStatsRespInvAuth)	long	The value of tmnxRadSrvStatsRespInvAuth indicates the number of RADIUS response packets with an invalid Authenticator received from this server.
radSrvStatsRespInvMsgAuth [Rad Srv Stats Resp Inv Msg Auth] (tmnxRadSrvStatsRespInvMsgAuth)	long	The value of tmnxRadSrvStatsRespInvMsgAuth indicates the number of RADIUS response packets with an invalid Message-Authenticator attribute received from this server.
radSrvStatsRxResponses [Rad Srv Stats Rx Responses] (tmnxRadSrvStatsRxResponses)	long	The value of tmnxRadSrvStatsRxResponses indicates the number of RADIUS response packets received from this server.
radSrvStatsTxRequests [Rad Srv Stats Tx Requests] (tmnxRadSrvStatsTxRequests)	long	The value of tmnxRadSrvStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.

Table 447 aapolicy statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AAIcapServerStats</p> <p>MIB entry name: tmnxBsxIcapServerStatsEntry</p> <p>Entry description: Each entry represents the statistics for a particular AA URL filter and ICAP server. An index with a valid ICAP server (an existing row in tmnxBsxIcapServerTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the following per group, URL Filter and ICAP server: * the summarized statistics, and * the worst case values for tmnxBsxIcapServerStatsRoundTrip and tmnxBsxIcapServerStatsConnUtil Entries will appears in this table only for equipped ISA-AA MDAs associated with an AA group, URL filter and ICAP server.</p> <p>Table description (for tmnxBsxIcapServerStatsTable): The tmnxBsxIcapServerStatsTable contains operational information related to a particular ICAP server associated with a particular URL filter. Each row contains the status and performance-oriented statistics information per group, URL filter and ICAP server for an ISA-AA uniquely identified by the tmnxChassisIndex, tmnxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AAIcapServer</p>		
connEstCount [Conn Est Count] (tmnxBsxIcapServerStatsConnEst)	long	The value of tmnxBsxIcapServerStatsConnEst indicates the current number of TCP connections which are established with the ICAP server.
connTotalCount [Conn Total Count] (tmnxBsxIcapServerStatsConnTotal)	long	The value of tmnxBsxIcapServerStatsConnTotal indicates the number of TCP connections which can be established with the ICAP server.
connUtilCount [Conn Util Count] (tmnxBsxIcapServerStatsConnUtil)	long	The value of tmnxBsxIcapServerStatsConnUtil indicates the percentage of TCP connections utilized over the last 10 second period.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
reqErrorsCount [Req Errors Count] (tmnxBsxlcapServerStatsReqErrors)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsReqErrors indicates the number of ICAP requests that were unable to be sent to the ICAP server.
reqRateCount [Req Rate Count] (tmnxBsxlcapServerStatsReqRate)	long	The value of tmnxBsxlcapServerStatsReqRate indicates the average number of ICAP requests sent per second over the last 10 second period.
requestsCount [Requests Count] (tmnxBsxlcapServerStatsRequests)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRequests indicates the number of ICAP requests which have been sent to this ICAP server.
respAllowCount [Resp Allow Count] (tmnxBsxlcapServerStatsRespAllow)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespAllow indicates the number of ICAP allow responses which have been received from the ICAP server.
respBlockCount [Resp Block Count] (tmnxBsxlcapServerStatsRespBlock)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespBlock indicates the number of ICAP block responses which have been received from the ICAP server.
respRedirCount [Resp Redir Count] (tmnxBsxlcapServerStatsRespRedir)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespRedir indicates the number of ICAP redirect responses which have been received from the ICAP server.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
roundTripCount [Round Trip Count] (tmnxBsxIcapServerStatsRoundTrip)	long	The value of tmnxBsxIcapServerStatsRoundTrip indicates the average amount of time it took to receive ICAP Responses over the last 10 second period.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
<p>AAUrlFilterStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AAUrlFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
httpReqErrorsCount [Http Req Errors Count] (tmnxBsxUrIFltrStatsHttpReqErrors)	java. math. BigInteger	The value of tmnxBsxUrIFltrStatsHttpReqErrors indicates the number of times the HTTP request that were unable to be sent to the ICAP server.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
httpRequestsCount [Http Requests Count] (tmnxBsxUrlFiltrStatsHttpRequests)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRequests indicates the number of HTTP requests received.
httpRespAllowCount [Http Resp Allow Count] (tmnxBsxUrlFiltrStatsHttpRespAllow)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespAllow indicates the number of times the HTTP response has been allowed.
httpRespBlockCount [Http Resp Block Count] (tmnxBsxUrlFiltrStatsHttpRespBlock)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespBlock indicates the number of times the HTTP response has been blocked.
httpRespDefCount [Http Resp Def Count] (tmnxBsxUrlFiltrStatsHttpRespDef)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespDef indicates the number of times the tmnxBsxUrlFilterDefaultAction has been taken on the HTTP response.
httpRespRedirCount [Http Resp Redir Count] (tmnxBsxUrlFiltrStatsHttpRespRedir)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsHttpRespRedir indicates the number of times the HTTP response has been redirected.
icapLateRespCount [Icap Late Resp Count] (tmnxBsxUrlFiltrStatsIcapLateResp)	java. math. BigInteger	The value of tmnxBsxUrlFiltrStatsIcapLateResp indicates the number of times the HTTP response was received prior to the ICAP response.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaEsmHostSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
esmHostName [Esm Host Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>BsxAARadiusAccountingPolicyStats MIB entry name: tmnxBsxRadApStatEntry Entry description: Each row entry represents a collection of statistics for an AA RADIUS accounting policy. Rows in this table are created automatically by the system. Table description (for tmnxBsxRadApStatTable): The tmnxBsxRadApStatTable presents statistics of AA RADIUS accounting policies. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AARadiusAccountingPolicy</p>		
reqSendFail [Req Send Fail] (tmnxBsxRadApSendFail)	long	The value of tmnxBsxRadApSendFail indicates how many RADIUS accounting requests failed because the packet could not be sent.
reqTimeouts [Req Timeouts] (tmnxBsxRadApReqTimeouts)	long	The value of tmnxBsxRadApReqTimeouts indicates the number of RADIUS accounting requests which have timed out for this policy.
rxResponses [Rx Responses] (tmnxBsxRadApRxResponses)	long	The value of tmnxBsxRadApRxResponses indicates the number of RADIUS accounting responses received for this policy.
sendRetries [Send Retries] (tmnxBsxRadApSendRetries)	long	The value of tmnxBsxRadApSendRetries indicates the number of retries to a different server for a single RADIUS accounting request for this policy.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRequests [Tx Requests] (tmnxBsxRadApTxRequests)	long	The value of tmnxBsxRadApTxRequests indicates the number of RADIUS accounting requests transmitted for this policy.
<p>BsxAARadiusAccountingServerStats</p> <p>MIB entry name: tmnxBsxRadApServStatEntry</p> <p>Entry description: Each row represents statistics about a specific server for a specific AA RADIUS accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxBsxRadApServStatTable): The tmnxBsxRadApServStatTable presents statistics of AA RADIUS accounting policy servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AARadiusAccountingServer</p>		
reqSendFail [Req Send Fail] (tmnxBsxRadApServReqSendFail)	long	The value of tmnxBsxRadApServReqSendFail indicates the number of RADIUS accounting requests that failed because the packet could not be sent.
reqTimeouts [Req Timeouts] (tmnxBsxRadApServReqTimeouts)	long	The value of tmnxBsxRadApServReqTimeouts indicates the number of RADIUS accounting requests that have timed out for this server.
rxResponses [Rx Responses] (tmnxBsxRadApServRxResponses)	long	The value of tmnxBsxRadApServRxResponses indicates the number of RADIUS accounting responses received for this server.
txRequests [Tx Requests] (tmnxBsxRadApServTxRequests)	long	The value of tmnxBsxRadApServTxRequests indicates the number of RADIUS accounting requests transmitted for this server.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAaAccountingStats</p> <p>MIB entry name: tmnxBsxStatAaEntry</p> <p>Entry description: Each tmnxBsxStatAaEntry contains the statistics for a particular group, partition, statistics type and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaTable): The tmnxBsxStatAaTable contains an entry for each system wide statistics type and statistics name per group and partition.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.Application • aapolicy.ApplicationGroup • isa.AaGroup • isa.AaPartition 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAaAppFilterStats</p> <p>MIB entry name: tmnxBsxStatAaAppFilterEntry</p> <p>Entry description: Each tmnxBsxStatAaAppFilterEntry row contains statistics for a specific filter entry.</p> <p>Table description (for tmnxBsxStatAaAppFilterTable): The tmnxBsxStatAaAppFilterTable contains statistics for application filters as defined in the tmnxBsxAppFilterTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.ApplicationFilter</p>		
flows [Flows] (tmnxBsxStatAaAppFilterHCFlows)	java. math. BigInteger	The value of tmnxBsxStatAaAppFilterHCFlows indicates the number of flows that have matched this entry.
octets [Octets] (tmnxBsxStatAaAppFilterFlowHCOctC)	java. math. BigInteger	The value of tmnxBsxStatAaAppFilterFlowHCOctC indicates the number of octets in the flows that have matched this entry.
<p>BsxAaEsmHostCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxAaEsmHostCustRecAppGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
esmMacName [Esm Mac Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIlsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIlsaAaGrpTable.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAaEsmHostCustRecAppStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxAaEsmHostCustRecAppUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
esmMacName [Esm Mac Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAaEsmHostCustRecChargingGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chargingGroupName [Charging Group Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
esmMacName [Esm Mac Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxAaEsmHostCustRecProtStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxAaEsmHostSpecialStudyAppStats MIB entry name: tmnxBsxStatAaSubSdyEntry Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType. Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAaEsmHostSpecialStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: isa.AaEsmHostInfo</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAaSubAccountingStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • service.AccessInterface 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAaSubUsageMonitoringStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.ApplicationGroup</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAppQosPolicyStats</p> <p>MIB entry name: tmnxBsxAqpStatsEntry</p> <p>Entry description: Each tmnxBsxAqpStatsEntry indicates statistics available to collect for each application QoS policy entry.</p> <p>Table description (for tmnxBsxAqpStatsTable): The tmnxBsxAqpStatsTable contains the application qos policy statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
hcConflicts [Hc Conflicts] (tmnxBsxAqpStatsHCCConflicts)	java. math. BigInteger	The value of tmnxBsxAqpStatsHCCConflicts indicates the number of flows that have hit this AQP entry, but resulted in a conflict with the match criteria.
hcFlows [Hc Flows] (tmnxBsxAqpStatsHCFlows)	java. math. BigInteger	The value of tmnxBsxAqpStatsHCFlows indicates the number of flows that have hit this entry. In certain cases, a flow may change its attributes thus undergoing a second policy evaluation. In these cases, the flow may be counted against two different AQP entries.
<p>BsxAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.Application</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.
<p>BsxCustProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.CustomProtocol</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxDnsIpCacheStats</p> <p>MIB entry name: tmnxBsxDnsIpCacheStatEntry</p> <p>Entry description: Each tmnxBsxDnsIpCacheStatEntry specifies Application Assurance DNS IP Cache statistics. An index with a valid DNS IP Cache (an existing row in tmnxBsxDnsIpCacheTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and DNS IP Cache.</p> <p>Table description (for tmnxBsxDnsIpCacheStatTable): The tmnxBsxDnsIpCacheStatTable contains an entry for each configured Application Assurance DNS IP Cache. Rows in this table are automatically created and destroyed when DNS IP Caches are created or destroyed using the tmnxBsxDnsIpCacheTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.DnsIpCache</p>		
alarmClear [Alarm Clear] (tmnxBsxDnsIpCacheStatAlarmClear)	boolean	The value of tmnxBsxDnsIpCacheStatAlarmClear indicates the state of the threshold alarm for this cache. A value of 'true (1)' indicates the alarm is clear, and a value of 'false (2)' indicates the alarm is set.
disconnectTime [Disconnect Time] (tmnxBsxDnsIpCacheStatDiscntTime)	long	The value of tmnxBsxDnsIpCacheStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
domainsMatch [Domains Match] (tmnxBsxDnsIpCacheStatDomMtch)	java.math.BigInteger	The value of tmnxBsxDnsIpCacheStatDomMtch indicates the number of DNS response domains that have matched an entry in the tmnxBsxDnsIpCacheDomainTable associated with this cache.
entriesAdd [Entries Add] (tmnxBsxDnsIpCacheStatEntrAdd)	java.math.BigInteger	The value of tmnxBsxDnsIpCacheStatEntrAdd indicates the total number of entries that have been added to this cache.
entriesRemove [Entries Remove] (tmnxBsxDnsIpCacheStatEntrRmvd)	java.math.BigInteger	The value of tmnxBsxDnsIpCacheStatEntrRmvd indicates the total number of entries that have been removed from this cache.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fullCount [Full Count] (tmnxBsxDnsIpCacheStatFullCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatFullCnt indicates the number of times an entry could not be added because the cache was full.
hitCount [Hit Count] (tmnxBsxDnsIpCacheStatHitCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatHitCnt indicates the number of times an IP address lookup in this cache was successful.
missCount [Miss Count] (tmnxBsxDnsIpCacheStatMissCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatMissCnt indicates the number of times an IP address lookup in this cache was unsuccessful.
responsesCount [Responses Count] (tmnxBsxDnsIpCacheStatDnsResp)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatDnsResp indicates the number of DNS responses that have been compared to the entries in the tmnxBsxDnsIpCacheDomainTable and the tmnxBsxDnsIpCacheServerTable associated with this cache.
serversMatch [Servers Match] (tmnxBsxDnsIpCacheStatDomSerMtch)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatDomSerMtch indicates the number of DNS responses whose domain matched an entry in the tmnxBsxDnsIpCacheDomainTable and server IP address matched an entry in the tmnxBsxDnsIpCacheServerTable associated with this cache.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxGtpFiltrStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.GtpFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
discntTime [Discnt Time] (tmnxBsxGtpFiltrStatsDiscntTime)	long	The value of tmnxBsxGtpFiltrStatsDiscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group last changed status.
pkDndExtHdr [Pk Dnd Ext Hdr] (tmnxBsxGtpFiltrStatsPkDndExtHdr)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndExtHdr indicates the number of packets denied by the GTP filter due to a missing extension header.
pkDndInfoElem [Pk Dnd Info Elem] (tmnxBsxGtpFiltrStatsPkDndInfoElem)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndInfoElem indicates the number of packets denied by the GTP filter due to a missing, invalid, or malformed information element.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pkDndMandHdr [Pk Dnd Mand Hdr] (tmnxBsxGtpFiltrStatsPkDndMandHdr)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndMandHdr indicates the number of packets denied by the GTP filter due to a missing mandatory header.
pkDndMsgType [Pk Dnd Msg Type] (tmnxBsxGtpFiltrStatsPkDndMsgType)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndMsgType indicates the number of packets denied by the GTP filter due to message ID configuration in tmnxBsxGtpFiltrMsgTable.
pkDndPayldLen [Pk Dnd Payld Len] (tmnxBsxGtpFiltrStatsPkDndPayldLen)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkDndPayldLen indicates the number of packets denied by the GTP filter due to the corresponding tmnxBsxGtpFiltrMaxPayloadLength in tmnxBsxGtpFiltrTable.
pkPermitted [Pk Permitted] (tmnxBsxGtpFiltrStatsPkPermitted)	java. math. BigInteger	The value of tmnxBsxGtpFiltrStatsPkPermitted indicates the number of packets permitted through the GTP filter.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxGtpStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
discntTime [Discnt Time] (tmnxBsxGtpStatsDiscntTime)	long	The value of tmnxBsxGtpStatsDiscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group last changed status.
pkDndFIPlcrFmSb [Pk Dnd FI Plcr Fm Sb] (tmnxBsxGtpStatsPkDndFIPlcrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndFIPlcrFmSb indicates the number of packets denied in the subscriber to network direction by the policer flow-count limit due to the configuration of tmnxBsxPolicerGtpFlowCountLmt in tmnxBsxPolicerTable.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pkDndGtpFltrFmSb [Pk Dnd Gtp Fltr Fm Sb] (tmnxBsxGtpStatsPkDndGtpFltrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpFltrFmSb indicates the number of packets denied in the subscriber to network direction due to GTP filter configuration in tmnxBsxGtpFltrTable.
pkDndGtpFltrToSb [Pk Dnd Gtp Fltr To Sb] (tmnxBsxGtpStatsPkDndGtpFltrToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpFltrToSb indicates the number of packets denied in the network to subscriber direction by the policer flow-count limit due to the configuration of tmnxBsxPolicerGtpFlowCountLmt in tmnxBsxPolicerTable.
pkDndGtpLenFmSb [Pk Dnd Gtp Len Fm Sb] (tmnxBsxGtpStatsPkDndGtpLenFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpLenFmSb indicates the number of GTP packets denied in the subscriber to network direction due to improper GTP message length.
pkDndGtpLenToSb [Pk Dnd Gtp Len To Sb] (tmnxBsxGtpStatsPkDndGtpLenToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpLenToSb indicates the number of GTP packets denied in the network to subscriber direction due to improper GTP message length.
pkDndGtpVerFmSb [Pk Dnd Gtp Ver Fm Sb] (tmnxBsxGtpStatsPkDndGtpVerFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpVerFmSb indicates the number of GTP packets denied in the subscriber to network direction due to unsupported GTP version.
pkDndGtpVerToSb [Pk Dnd Gtp Ver To Sb] (tmnxBsxGtpStatsPkDndGtpVerToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndGtpVerToSb indicates the number of packets denied in the network to subscriber direction due to GTP filter configuration in tmnxBsxGtpFltrTable.
pkDndPlcyOthrFmSb [Pk Dnd Plcy Othr Fm Sb] (tmnxBsxGtpStatsPkDndPlcyOthrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndPlcyOthrFmSb indicates the number of packets denied in the subscriber to network direction due to non gtp-traffic policers, session filters, or flow resource exhaustion.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pkDndPlcyOthrToSb [Pk Dnd Plcy Othr To Sb] (tmnxBsxGtpStatsPkDndPlcyOthrToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndPlcyOthrToSb indicates the number of packets denied in the network to subscriber direction due to non gtp-traffic policers, session filters, or flow resource exhaustion.
pkDndUdpLenFmSb [Pk Dnd Udp Len Fm Sb] (tmnxBsxGtpStatsPkDndUdpLenFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndUdpLenFmSb indicates the number of GTP packets denied in the subscriber to network direction due to improper UDP packet length.
pkDndUdpLenToSb [Pk Dnd Udp Len To Sb] (tmnxBsxGtpStatsPkDndUdpLenToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkDndUdpLenToSb indicates the number of GTP packets denied in the network to subscriber direction due to improper UDP packet length.
pkPermittedFmSb [Pk Permitted Fm Sb] (tmnxBsxGtpStatsPkPermittedFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPermittedFmSb indicates the number of GTP packets permitted in the subscriber to network direction.
pkPermittedToSb [Pk Permitted To Sb] (tmnxBsxGtpStatsPkPermittedToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPermittedToSb indicates the number of GTP packets permitted in the network to subscriber direction.
pkPrmtNoFltrFmSb [Pk Prmt No Fltr Fm Sb] (tmnxBsxGtpStatsPkPrmtNoFltrFmSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPrmtNoFltrFmSb indicates the number of GTP packets permitted in the subscriber to network direction which were not subject to a GTP filter. This value is a subset of tmnxBsxGtpStatsPkPermittedFmSb.
pkPrmtNoFltrToSb [Pk Prmt No Fltr To Sb] (tmnxBsxGtpStatsPkPrmtNoFltrToSb)	java. math. BigInteger	The value of tmnxBsxGtpStatsPkPrmtNoFltrToSb indicates the number of GTP packets permitted in the network to subscriber direction which were not subject to a GTP filter. This value is a subset of tmnxBsxGtpStatsPkPermittedToSb.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxHttpEnrichStats</p> <p>MIB entry name: tmnxBsxHttpEnrichStatEntry</p> <p>Entry description: Each tmnxBsxHttpEnrichStatEntry contains statistics for HTTP enrichment. An index with a valid tmnxBsxAaGrpPartIndex/tmnxBsxHttpEnrichName (an existing row in tmnxBsxHttpEnrichTable), tmnxChassisIndex set to one, and a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized per group and HTTP enrichment template statistics. Entries will appear in this table only for equipped ISA-AA MDAs associated with an AA group and an HTTP enrichment template.</p> <p>Table description (for tmnxBsxHttpEnrichStatTable): The tmnxBsxHttpEnrichStatTable contains statistics for HTTP enrichment. Each row contains the performance-oriented statistics information per group and HTTP enrichment template for an ISA-AA uniquely identified by the tmnxChassisIndex, tmnxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
antiSpoofMod [Anti Spoof Mod] (tmnxBsxHttpEnrichAntiSpoofMod)	java. math. BigInteger	The value of tmnxBsxHttpEnrichAntiSpoofMod indicates the number of HTTP header modifications that have been made for anti-spoofing. A value of 0 is returned if the value of tmnxBsxHttpEnrichFieldAntiSpoof is disabled.
antiSpoofShort [Anti Spoof Short] (tmnxBsxHttpEnrichNoAntiSpfShort)	java. math. BigInteger	The value of tmnxBsxHttpEnrichNoAntiSpfShort indicates the number of HTTP header modifications that were not made for anti-spoofing due to an HTTP header field value being short enough to result in a packet size increase if anti-spoofing were applied. A value of 0 is returned if the value of tmnxBsxHttpEnrichFieldAntiSpoof is disabled.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
disconnectTime [Disconnect Time] (tmnxBsxHttpEnrichStatDiscontTime)	long	The value of tmnxBsxHttpEnrichStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
maxPacket [Max Packet] (tmnxBsxHttpEnrichHCExceedMaxPkt)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCExceedMaxPkt indicates the number of HTTP requests not enriched due to the packet size being greater than the maximum HTTP enrichment packet size specified in tmnxBsxIsaAaGrpHttpEnrichMaxPkt.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
msgCount [Msg Count] (tmnxBsxHttpEnrichHCCNumEnriched)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCCNumEnriched indicates the number of enriched requests.
noSubData [No Sub Data] (tmnxBsxHttpEnrichHCMissngSubData)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCMissngSubData indicates the number of HTTP requests not enriched due to missing subscriber data.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpEnrichHCCNumNoResource)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCCNumNoResource indicates the number of HTTP requests not enriched due to resource issues.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateDisabled [Template Disabled] (tmnxBsxHttpEnrichHCTplNotEnabled)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCTplNotEnabled indicates the number of HTTP requests not enriched due to the template not being enabled.
trafficChar [Traffic Char] (tmnxBsxHttpEnrichHCTrafficChar)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCTrafficChar indicates the number of HTTP requests not enriched due to traffic characteristics.
<p>BsxHttpErrorRedirectStats MIB entry name: tmnxBsxGrpMdaEntry Entry description: Each tmnxBsxGrpMdaEntry indicates a ISA-AA MDA is associated to a tmnxBsxIsaAaGrpEntry. Table description (for tmnxBsxGrpMdaTable): The tmnxBsxGrpMdaTable contains an entry for each ISA-AA MDA configured within a group. This table is populated when an MDA is configured with an MDA type of ISA-AA, and associated with an ISA-AA group. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AppQosPolicy</p>		
cardSlotNum [Card Slot Num] (tmnxBsxCardSlotNum)	long	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
disconnectTime [Disconnect Time] (tmnxBsxHttpRdStatDiscontTime)	long	The value of tmnxBsxHttpRdStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorCode [Error Code] (tmnxBsxHttpRedirErrCode)	long	The value of tmnxBsxHttpRedirErrCode specifies the error code for a HTTP Error Redirect. Error codes are defined in the tmnxBsxTListAttribTable in rows where the index tmnxBsxTListName has a value of 'http-error-redirect-error-code' and the index tmnxBsxTListAttribName has a value of 'code'.
errorCount [Error Count] (tmnxBsxHttpRdStatHCNotRedir)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCNotRedir indicates the number of message redirects that did not occur due to errors.
fileTypeCount [File Type Count] (tmnxBsxHttpRdStatHCNotRedirFType)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCNotRedirFType indicates the number of message redirects that did not occur due to the file type.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIlsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIlsaAaGrpTable.
httpErrRedirName [Http Err Redir Name] (tmnxBsxHttpRedirErrName)	String	The value of tmnxBsxHttpRedirErrName specifies the name of the HTTP Error Redirect.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
msgCount [Msg Count] (tmnxBsxHttpRdStatHCRedir)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCRedir indicates the number of redirected messages.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpRdStatHCOutOfResource)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCOutOfResource indicates the number of message redirects that did not occur due to lack of resources.
sizeExceededCount [Size Exceeded Count] (tmnxBsxHttpRdStatHCSizeExceeded)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCSizeExceeded indicates the number of messages that have exceeded the custom message size associated with the error code.
<p>BsxHttpRedirectStats</p> <p>MIB entry name: tmnxBsxGrpMdaEntry</p> <p>Entry description: Each tmnxBsxGrpMdaEntry indicates a ISA-AA MDA is associated to a tmnxBsxIsaAaGrpEntry.</p> <p>Table description (for tmnxBsxGrpMdaTable): The tmnxBsxGrpMdaTable contains an entry for each ISA-AA MDA configured within a group. This table is populated when an MDA is configured with an MDA type of ISA-AA, and associated with an ISA-AA group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
cardSlotNum [Card Slot Num] (tmnxBsxCardSlotNum)	long	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
disconnectTime [Disconnect Time] (tmnxBsxHttpPcyRdStatDiscontTime)	long	The value of tmnxBsxHttpPcyRdStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
errorCount [Error Count] (tmnxBsxHttpPcyRdStatHCNotRedir)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCNotRedir indicates the number of sessions that were not redirected due to traffic attributes.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
httpRedirName [Http Redir Name] (tmnxBsxHttpRedirName)	String	The value of tmnxBsxHttpRedirName specifies the name of the HTTP Redirect.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
msgCount [Msg Count] (tmnxBsxHttpPcyRdStatHCRedir)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCRedir indicates the number of redirected sessions.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpPcyRdStatHCOutOfRes)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCOutOfRes indicates the number of sessions that were not redirected due to lack of resources.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcyRdStatConfigError [Pcy Rd Stat Config Error] (tmnxBsxHttpPcyRdStatConfigError)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatConfigError indicates the number of sessions that were not redirected due to configuration errors.
tcpClientResetCount [Tcp Client Reset Count] (tmnxBsxHttpPcyRdStatTcpResets)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatTcpResets indicates the number of TCP client resets that have been sent.
<p>BsxProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.
<p>BsxSapCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSapStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSctpFiltrStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.SctpFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discntTime [Discnt Time] (tmnxBsxSctpFiltrStatsDiscntTime)	long	The value of tmnxBsxSctpFiltrStatsDiscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group last changed status.
pkDndMalfd [Pk Dnd Malfd] (tmnxBsxSctpFiltrStatsPkDndMalfd)	java. math. BigInteger	The value of tmnxBsxSctpFiltrStatsPkDndMalfd indicates the number of packets denied by the SCTP filter due to the packet being malformed.
pkDndPpidOOR [Pk Dnd Ppid OOR] (tmnxBsxSctpFiltrStatsPkDndPpidOOR)	java. math. BigInteger	The value of tmnxBsxSctpFiltrStatsPkDndPpidOOR indicates the number of packets denied by the SCTP filter due to PPID being out of range of the corresponding tmnxBsxSctpFiltrPpidRangeMin/ tmnxBsxSctpFiltrPpidRangeMax in tmnxBsxSctpFiltrTable.
pkDndPpidVal [Pk Dnd Ppid Val] (tmnxBsxSctpFiltrStatsPkDndPpidVal)	java. math. BigInteger	The value of tmnxBsxSctpFiltrStatsPkDndPpidVal indicates the number of packets denied by the SCTP filter due to PPID value configuration in tmnxBsxSctpFiltrPpidTable.
pkPermitted [Pk Permitted] (tmnxBsxSctpFiltrStatsPkPermitted)	java. math. BigInteger	The value of tmnxBsxSctpFiltrStatsPkPermitted indicates the number of packets permitted through the SCTP filter.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSessionFilterStats</p> <p>MIB entry name: tmnxBsxSessFiltrStatsEntry</p> <p>Entry description: Each tmnxBsxSessFiltrStatsEntry indicates statistics available for each application assurance session filter match entry.</p> <p>Table description (for tmnxBsxSessFiltrStatsTable): The tmnxBsxSessFiltrStatsTable contains the application assurance session filter statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AASessionFilterParams</p>		
flowsCount [Flows Count] (tmnxBsxSessFiltrStatsFlows)	java. math. BigInteger	The value of tmnxBsxSessFiltrStatsFlows indicates the number of flows that have hit this entry.
<p>BsxTcaFtrEnStats</p> <p>MIB entry name: tmnxBsxTcaFtrEnStatsEntry</p> <p>Entry description: Each tmnxBsxTcaFtrEnStatsEntry specifies Application Assurance filter entry TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaFtrEnCfgTable.</p> <p>Table description (for tmnxBsxTcaFtrEnStatsTable): The tmnxBsxTcaFtrEnStatsTable contains an entry for each configured Application Assurance filter entry TCA, as configured in tmnxBsxStatTcaFtrEnCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaFtrEntryCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaFtrEnStatsTmLastCleared)	long	The value of tmnxBsxTcaFtrEnStatsTmLastCleared indicates the last time, since system startup, when the tmnxBsxTcaFtrEnStatsTcaState changed from 'raised (1)' to 'cleared (0)'.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastRaised [Last Raised] (tmnxBsxTcaFtrEnStatsTmLastRaised)	long	The value of tmnxBsxTcaFtrEnStatsTmLastRaised indicates the last time, since system startup, when the tmnxBsxTcaFtrEnStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaFtrEnStatsTcaState)	int	The value of tmnxBsxTcaFtrEnStatsTcaState indicates the state of the filter entry TCA.
triggerType [Trigger Type] (tmnxBsxTcaFtrEnStatsTcaTrigType)	int	The value of tmnxBsxTcaFtrEnStatsTcaTrigType indicates the trigger type used.
<p>BsxTcaFtrStats</p> <p>MIB entry name: tmnxBsxTcaFtrStatsEntry</p> <p>Entry description: Each tmnxBsxTcaFtrStatsEntry specifies Application Assurance filter TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaFtrCfgTable.</p> <p>Table description (for tmnxBsxTcaFtrStatsTable): The tmnxBsxTcaFtrStatsTable contains an entry for each configured Application Assurance filter TCA, as configured in tmnxBsxStatTcaFtrCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaFilterCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaFtrStatsTimeLastCleared)	long	The value of tmnxBsxTcaFtrStatsTimeLastCleared indicates the last time, since system startup, when the tmnxBsxTcaFtrStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaFtrStatsTimeLastRaised)	long	The value of tmnxBsxTcaFtrStatsTimeLastRaised indicates the last time, since system startup, when the tmnxBsxTcaFtrStatsTcaState changed from 'cleared (0)' to 'raised (1)'.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tcaState [Tca State] (tmnxBsxTcaFtrStatsTcaState)	int	The value of tmnxBsxTcaFtrStatsTcaState indicates the state of the filter TCA.
triggerType [Trigger Type] (tmnxBsxTcaFtrStatsTcaTrigType)	int	The value of tmnxBsxTcaFtrStatsTcaTrigType indicates the trigger type used.
<p>BsxTcaPolcrStats</p> <p>MIB entry name: tmnxBsxTcaPolcrStatsEntry</p> <p>Entry description: Each tmnxBsxTcaPolcrStatsEntry specifies Application Assurance policer TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaPolcrCfgTable.</p> <p>Table description (for tmnxBsxTcaPolcrStatsTable): The tmnxBsxTcaPolcrStatsTable contains an entry for each configured Application Assurance policer TCA, as configured in tmnxBsxStatTcaPolcrCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaPolicerCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaPolcrStatsTmLastCleared)	long	The value of tmnxBsxTcaPolcrStatsTmLastCleared indicates the last time, since system startup, when the tmnxBsxTcaPolcrStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaPolcrStatsTmLastRaised)	long	The value of tmnxBsxTcaPolcrStatsTmLastRaised indicates the last time, since system startup, when the tmnxBsxTcaPolcrStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaPolcrStatsTcaState)	int	The value of tmnxBsxTcaPolcrStatsTcaState indicates the state of the policer TCA.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
triggerType [Trigger Type] (tmnxBsxTcaPolcrStatsTcaTrigType)	int	The value of tmnxBsxTcaPolcrStatsTcaTrigType indicates the trigger type used.
<p>BsxTcaStats</p> <p>MIB entry name: tmnxBsxTcaStatsEntry</p> <p>Entry description: Each tmnxBsxTcaStatsEntry specifies Application Assurance TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaCfgTable.</p> <p>Table description (for tmnxBsxTcaStatsTable): The tmnxBsxTcaStatsTable contains an entry for each configured Application Assurance TCA, as configured in tmnxBsxStatTcaCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaStatsTimeLastCleared)	long	The value of tmnxBsxTcaStatsTimeLastCleared indicates the last time, since system startup, when the tmnxBsxTcaStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaStatsTimeLastRaised)	long	The value of tmnxBsxTcaStatsTimeLastRaised indicates the last time, since system startup, when the tmnxBsxTcaStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaStatsTcaState)	int	The value of tmnxBsxTcaStatsTcaState indicates the state of the TCA.
triggerType [Trigger Type] (tmnxBsxTcaStatsTcaTrigType)	int	The value of tmnxBsxTcaStatsTcaTrigType indicates the trigger type used.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcpValStats</p> <p>MIB entry name: tmnxBsxTcpValStatsEntry</p> <p>Entry description: Each tmnxBsxTcpValStatsEntry specifies Application Assurance TCP validation template statistics per group/partition. Rows in this table are automatically created and destroyed when validation templates are created or destroyed in the tmnxBsxTcpValTable. An index with a valid TCP validation template (an existing row in tmnxBsxTcpValTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and TCP validation template.</p> <p>Table description (for tmnxBsxTcpValStatsTable): The tmnxBsxTcpValTcaStatsTable contains an entry for each configured Application Assurance TCP validation template, as configured in tmnxBsxTcpValTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpValidation</p>		
allowed [Allowed] (tmnxBsxTcpValStatsAllowed)	java. math. BigInteger	The value of tmnxBsxTcpValStatsAllowed indicates the number allowed by the TCP validation template.
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
direction [Direction] (tmnxBsxTcpValStatsDirection)	int	The value of tmnxBsxTcpValStatsDirection indicates the direction of the TCP validation template statistics.
discntTime [Discnt Time] (tmnxBsxTcpValStatsDiscntTime)	long	The value of tmnxBsxTcpValStatsDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when an ISA-AA MDA within the group last changed status.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropAfterRST [Drop After RST] (tmnxBsxTcpValStatsDropAfterRST)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAfterRST indicates the number dropped by the TCP validation template due to use after a reset (RST).
dropAlreadyEst [Drop Already Est] (tmnxBsxTcpValStatsDropAlreadyEst)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAlreadyEst indicates the number dropped by the TCP validation template due to being already established.
dropAsymmetric [Drop Asymmetric] (tmnxBsxTcpValStatsDropAsymmetric)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAsymmetric indicates the number dropped by the TCP validation template due to asymmetric routing.
dropBadACK [Drop Bad ACK] (tmnxBsxTcpValStatsDropBadACK)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadACK indicates the number dropped by the TCP validation template due to an invalid acknowledgement number (ACK).
dropBadFlag [Drop Bad Flag] (tmnxBsxTcpValStatsDropBadFlag)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadFlag indicates the number dropped by the TCP validation template due to an invalid flag.
dropBadOption [Drop Bad Option] (tmnxBsxTcpValStatsDropBadOption)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadOption indicates the number dropped by the TCP validation template due to an invalid Option.
dropBadSEQ [Drop Bad SEQ] (tmnxBsxTcpValStatsDropBadSEQ)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadSEQ indicates the number dropped by the TCP validation template due to an invalid sequence number (SEQ).
dropFragmented [Drop Fragmented] (tmnxBsxTcpValStatsDropFragmented)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropFragmented indicates the number dropped by the TCP validation template due to fragmentation.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropNoEstmen [Drop No Estmen] (tmnxBsxTcpValStatsDropNoEstment)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropNoEstment indicates the number dropped by the TCP validation template due to no establishment.
units [Units] (tmnxBsxTcpValStatsUnits)	int	The value of tmnxBsxTcpValStatsUnits indicates the units of the TCP validation template statistics.
<p>BsxTcpValTcaStats</p> <p>MIB entry name: tmnxBsxTcpValTcaStatsEntry</p> <p>Entry description: Each tmnxBsxTcpValTcaStatsEntry specifies Application Assurance TCP validate TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxTcpValTcaTable.</p> <p>Table description (for tmnxBsxTcpValTcaStatsTable): The tmnxBsxTcpValTcaStatsTable contains an entry for each configured Application Assurance TCP validate TCA, as configured in tmnxBsxTcpValTcaTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpValidationTca</p>		
lastCleared [Last Cleared] (tmnxBsxTcpValTcaStatsLastCleared)	long	The value of tmnxBsxTcpValTcaStatsLastCleared indicates the last time, since system startup, when the tmnxBsxTcpValTcaStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcpValTcaStatsLastRaised)	long	The value of tmnxBsxTcpValTcaStatsLastRaised indicates the last time, since system startup, when the tmnxBsxTcpValTcaStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcpValTcaStatsTcaState)	int	The value of tmnxBsxTcpValTcaStatsTcaState indicates the state of the policer TCA.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
triggerType [Trigger Type] (tmnxBsxTcpValTcaStatsTcaTrigType)	int	The value of tmnxBsxTcpValTcaStatsTcaTrigType indicates the trigger type used.
<p>BsxTrafStats</p> <p>MIB entry name: tmnxBsxTrafStatEntry</p> <p>Entry description: Each tmnxBsxTrafStatEntry contains the traffic statistics for a particular group, partition, IP Protocol and IP Family.</p> <p>Table description (for tmnxBsxTrafStatTable): The tmnxBsxTrafStatTable contains an entry for each system wide IP Protocol and IP Family pairing per group and partition.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxTrafStatActFlwsFmSb)	long	The value of tmnxBsxTrafStatActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxTrafStatActFlwsToSb)	long	The value of tmnxBsxTrafStatActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxTrafStatLngDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxTrafStatMedDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxTrafStatShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxTrafStatFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxTrafStatFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxTrafStatFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxTrafStatFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction.
ipFamily [Ip Family] (tmnxBsxTrafStatIpFamily)	int	The value of tmnxBsxTrafStatIpFamily specifies the IP Family for the traffic statistics. IP Family values may be one of: ipv4 (1) - IPv4 ipv6 (2) - IPv6 dsLite (3) - IPv4 tunneled inside IPv6 sixRd (4) - IPv6 tunneled inside IPv4, includes 6rd, 6to4 teredo (5) - IPv6 tunneled inside UDP, tunneled inside IPv4 v4inv4Gtp (6) - IPv4 tunneled inside IPv4 GTP v4inv6Gtp (7) - IPv4 tunneled inside IPv6 GTP v6inv4Gtp (8) - IPv6 tunneled inside IPv4 GTP v6inv6Gtp (9) - IPv6 tunneled inside IPv6 GTP

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipProtocol [Ip Protocol] (tmnxBsxTrafStatIpProtocol)	int	The value of tmnxBsxTrafStatIpProtocol specifies the IP Protocol for the traffic statistics. IP Protocol values may be one of: other (1) - all IP protocols not listed below tcp (2) - TCP traffic udp (3) - UDP traffic
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxTrafStatOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxTrafStatOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxTrafStatOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxTrafStatOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxTrafStatPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxTrafStatPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxTrafStatPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxTrafStatPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction.
termFlowDuration [Term Flow Duration] (tmnxBsxTrafStatTermFlwDur)	java. math. BigInteger	The value of tmnxBsxTrafStatTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated.
termFlows [Term Flows] (tmnxBsxTrafStatTermFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatTermFlws indicates the total number of allowed flows in both directions that have terminated.
<p>BsxTransitSubCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxTransitSubStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>DbInfoTransitSubscriberSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
transitSubName [Transit Sub Name] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HttpNotifStats</p> <p>MIB entry name: tmnxChassisEntry</p> <p>Entry description: tmnxChassisEntry consists of the system level information pertaining to the hardware present in the system. Only one entry is created and maintained by the system, which is assigned the tmnxChassisIndex value '1'. Once this entry is created, it cannot be destroyed. Additional entries cannot be manually created or destroyed. Support of multiple chassis' are managed through the use of tmnxPhysChassisTable.</p> <p>Table description (for tmnxChassisTable): tmnxChassisTable contains Nokia 7x50 system level information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
criteriaNoMatchCount [Criteria No Match Count] (tmnxBsxHttpNotifStatCritNoMtch)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatCritNoMtch indicates the number of messages which did not match the selection criteria for insertion of the script URL.
failedCount [Failed Count] (tmnxBsxHttpNotifStatFailed)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatFailed indicates the number of times a HTTP notification is known to have failed.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIlsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIlsaAaGrpTable.

Table 447 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
insertedCount [Inserted Count] (tmnxBsxHttpNotifStatInserted)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatInserted indicates the number of times the script URL was inserted into a message.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
statusLastChangedTime [Status Last Changed Time] (tmnxBsxHttpNotifStatDiscntTime)	long	The value of tmnxBsxHttpNotifStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
successCount [Success Count] (tmnxBsxHttpNotifStatSuccess)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatSuccess indicates the number of times a HTTP notification success report was received.

Table 448 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 448 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 448 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 449 acfilterli statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LilpFilterEntryStats</p> <p>MIB entry name: tLilpFilterParamsInfoEntry</p> <p>Entry description: This row complements the corresponding row in the tLilpFilterParamsTable with read-only operational info. Entries are created and deleted automatically by the system when a corresponding entry in tLilpFilterParamsTable is created / deleted.</p> <p>Table description (for tLilpFilterParamsInfoTable): The table tLilpFilterParamsInfoTable contains read-only information pertaining to LI IP filter match entries of LI IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • acfilterli.LilpFilterEntry • acfilterli.Lilpv6FilterEntry 		
egressHitBytes [Egress Hit Bytes] (tLilpFltrParamsInfEgrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLilpFltrParamsInfEgrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLilpFltrParamsInfIngrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLilpFltrParamsInfIngrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 449 acfilterli statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LiMacFilterEntryStats MIB entry name: tLiMacFilterParamsEntry Entry description: An LI MAC filter match entry. Table description (for tLiMacFilterParamsTable): The table tLiMacFilterParamsTable contains all LI MAC filter match entries for all LI MAC filters. Supports realtime plotting Supports scheduled collection Monitored class: acfilterli.LiMacFilterEntry</p>		
egressHitBytes [Egress Hit Bytes] (tLiMacFilterParamsEgrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLiMacFilterParamsEgrHitCount)	java. math. BigInteger	This object tLiMacFilterParamsEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLiMacFilterParamsIngrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLiMacFilterParamsIngrHitCount)	java. math. BigInteger	The object tLiMacFilterParamsIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 450 ancpc statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpCustomerStaticMapEgrMonitorStats</p> <p>MIB entry name: tmnxAncpMssEgrMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssEgrMonitorTable): The table tmnxAncpMssEgrMonitorTable contains ingress ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancpc.AncpCustomerStaticMap</p>		
ancpcString [Ancpc String] (tmnxAncpMssEgrMntrAncpcString)	String	The value of tmnxAncpMssEgrMntrAncpcString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpMssEgrMntrQosShedPIR.
qosShedName [Qos Shed Name] (tmnxAncpMssEgrMntrQosShedName)	String	The value of tmnxAncpMssEgrMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this MSS.
qosShedPIR [Qos Shed PIR] (tmnxAncpMssEgrMntrQosShedPIRLo)	java.math.BigInteger	The value of tmnxAncpMssEgrMntrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpMssEgrMntrQosShedPIRHi along with the value of tmnxAncpMssEgrMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpMssEgrMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpMssEgrMntrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.
<p>AncpCustomerStaticMapIngrMonitorStats MIB entry name: tmnxAncpMssIngMonitorEntry Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only. Table description (for tmnxAncpMssIngMonitorTable): The table tmnxAncpMssIngMonitorTable contains ingress ANCP information for every MSS that maps on an known ANCP string. Supports realtime plotting Supports scheduled collection Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssIngMntrAncpString)	String	The value of tmnxAncpMssIngMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpMssIngMntrQosShedPIR.
qosShedName [Qos Shed Name] (tmnxAncpMssIngMntrQosShedName)	String	The value of tmnxAncpMssIngMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this MSS.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosShedPIR [Qos Shed PIR] (tmnxAncpMssIngMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpMssIngMntrQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpMssIngMntrQosShedPIRHi along with the value of tmnxAncpMssIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpMssIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpMssIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFFFF0) indicates no overrides.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.
<p>AncpCustomerStaticMapMonitorStats</p> <p>MIB entry name: tmnxAncpMssMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every MSS that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpMssMonitorTable): The table tmnxAncpMssMonitorTable contains ANCP information for every MSS that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpCustomerStaticMap</p>		
ancpString [Ancp String] (tmnxAncpMssMntrAncpString)	String	The value of tmnxAncpMssMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the Scheduler rate limit as described in tmnxAncpMssMntrEgrAggRateLmt.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpMssMntrEgrAggRateLmt)	long	The value of tmnxAncpMssMntrEgrAggRateLmt indicates the Qos Scheduler aggregate rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy. The value of 4294967295 (0xFFFFFFFF) specifies max rate and value of 4294967294 (0xFFFFFFFFE) specifies no override.
siteName [Site Name] (custMultSvcSiteName)	String	The value of object custMultSvcSiteName specifies the customer's Multi-Service Site name.
subscriberId [Subscriber Id] (custId)	long	Customer identifier. This ID must be unique within a service domain.
<p>AncpSapEgrSchedMonitorStats MIB entry name: tmnxAncpSapEgrSchedMonitorEntry Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only. Table description (for tmnxAncpSapEgrSchedMonitorTable): The table tmnxAncpSapEgrSchedMonitorTable contains ANCP ingress information for every SAP that maps on an known ANCP string. Supports realtime plotting Supports scheduled collection Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapEgrMntrAncpString)	String	The value of tmnxAncpSapEgrMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpSapEgrMntrQosShedPIR.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosShedName [Qos Shed Name] (tmnxAncpSapEgrMntrQosShedName)	String	The value of tmnxAncpSapEgrMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this SAP.
qosShedPIR [Qos Shed PIR] (tmnxAncpSapEgrMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSapEgrMntrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSapIngMntrQosShedPIRHi along with the value of tmnxAncpSapIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSapIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSapIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFF7FE) indicates no overrides.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>AncpSapIngSchedMonitorStats</p> <p>MIB entry name: tmnxAncpSapIngSchedMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapIngSchedMonitorTable): The table tmnxAncpSapIngSchedMonitorTable contains ANCP ingress information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpString [Ancp String] (tmnxAncpSapIngMntrAncpString)	String	The value of tmnxAncpSapIngMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the PIR value as described in tmnxAncpSapIngMntrQosShedPIR.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
qosShedName [Qos Shed Name] (tmnxAncpSapIngMntrQosShedName)	String	The value of tmnxAncpSapIngMntrQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this SAP.
qosShedPIR [Qos Shed PIR] (tmnxAncpSapIngMntrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSapIngMntrQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSapIngMntrQosShedPIRHi along with the value of tmnxAncpSapIngMntrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSapIngMntrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSapIngMntrQosShedPIRLo equal to 4294967294 (0xFFFFF7FE) indicates no overrides.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svcid [Svc Id] (svcid)	long	The value of the object svcId specifies the Service identifier. This value should be unique within the service domain.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpSapMonitorStats</p> <p>MIB entry name: tmnxAncpSapMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every SAP that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSapMonitorTable): The table tmnxAncpSapMonitorTable contains ANCP information for every SAP that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ancp.AncpStaticMap</p>		
ancpString [Ancp String] (tmnxAncpSapMntrAncpString)	String	The value of tmnxAncpSapMntrAncpString indicates the ANCP-string received in the GSMP 'PortUp' message which contains the aggregate rate limit as described in tmnxAncpSapMntrEgrAggRateLmt.
egrAggRateLmt [Egr Agg Rate Lmt] (tmnxAncpSapMntrEgrAggRateLmt)	long	The value of tmnxAncpSapMntrEgrAggRateLmt indicates the Qos Scheduler aggregate rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy. The value of 4294967295 (0xFFFFFFFF) specifies max rate and value of 4294967294 (0xFFFFFFFFE) specifies no override.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
svcId [Svc Id] (svcId)	long	The value of the object svcId specifies the Service identifier. This value should be unique within the service domain.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AncpSubMonitorStats</p> <p>MIB entry name: tmnxAncpSubMonitorEntry</p> <p>Entry description: Each row contains statistics information about ANCP for every subscriber that maps on an known ANCP string. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSubMonitorTable): The table tmnxAncpSubMonitorTable contains ANCP information for every subscriber that maps on an known ANCP string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrAggRateLimit [Egr Agg Rate Limit] (tmnxAncpSubMntrEgrAggRateLimit)	java. math. BigInteger	The value of tmnxAncpSubMntrEgrAggRateLimit indicates the Qos Scheduler rate limit. This value is received via ANCP, potentially modified by the system using the ANCP policy.
egrQosShedName [Egr Qos Shed Name] (tmnxAncpSubMntrEgrQosShedName)	String	The value of tmnxAncpSubMntrEgrQosShedName indicates the egress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this subscriber.
egrQosShedPIR [Egr Qos Shed PIR] (tmnxAncpSubMntrEgrQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSubMntrEgrQosShedPIRLo indicates lower 32 bits of the egress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSubMntrEgrQosShedPIRHi along with the value of tmnxAncpSubMntrEgrQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSubMntrEgrQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSubMntrEgrQosShedPIRLo equal to 4294967294 (0xFFFFFFFFE) indicates no overrides.
ingQosShedName [Ing Qos Shed Name] (tmnxAncpSubMntrIngQosShedName)	String	The value of tmnxAncpSubMntrIngQosShedName indicates the ingress Qos Scheduler name (defined in the table TIMETRA-QOS-MIB::tVirtualSchedulerTable applied to this subscriber.

Table 450 ancp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQosShedPIR [Ing Qos Shed PIR] (tmnxAncpSubMntrIngQosShedPIRLo)	java. math. BigInteger	The value of tmnxAncpSubMntrIngQosShedPIRLo indicates lower 32 bits of the ingress Qos Scheduler PIR (Peak Info rate). This value is received via ANCP, and potentially modified by the system using the ANCP policy. When the value of tmnxAncpSubMntrIngQosShedPIRHi along with the value of tmnxAncpSubMntrIngQosShedPIRLo is equal to 4294967295 (0xFFFFFFFF), rate for this scheduler indicates maximum rate. The value of tmnxAncpSubMntrIngQosShedPIRHi equal to 4294967295 (0xFFFFFFFF) and the value of tmnxAncpSubMntrIngQosShedPIRLo equal to 4294967294 (0xFFFFF7FE) indicates no overrides.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.

Table 451 aps statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ApsChannelStats MIB entry name: apsChanStatusEntry Entry description: A conceptual row in the apsChanStatusTable. Table description (for apsChanStatusTable): This table contains status information for all SONET LTE interfaces that are included in APS groups. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsChannel</p>		
discontinuityTime [Discontinuity Time] (apsChanStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this channel's counters suffered a discontinuity. The relevant counters are the specific instances associated with this channel of any Counter32 object contained in apsChanStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.
lastSwitchover [Last Switchover] (apsChanStatusLastSwitchover)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the value of sysUpTime when this channel last completed a switch to the protection line. If this channel has never switched to the protection line, the value 0 will be returned. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the value of sysUpTime the last time that a working channel was switched back to the working line from this protection line. If no working channel has ever switched back to the working line from this protection line, the value 0 will be returned.

Table 451 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalDegrades [Signal Degrades] (apsChanStatusSignalDegrades)	long	A count of Signal Degrade conditions. This condition occurs when the line Bit Error Rate exceeds the currently configured value of the relevant instance of apsConfigSdBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
signalFailures [Signal Failures] (apsChanStatusSignalFailures)	long	A count of Signal Failure conditions that have been detected on the incoming signal. This condition occurs when a loss of signal, loss of frame, AIS-L or a Line bit error rate exceeding the currently configured value of the relevant instance of apsConfigSfBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
switchoverSeconds [Switchover Seconds] (apsChanStatusSwitchoverSeconds)	long	The cumulative Protection Switching Duration (PSD) time in seconds. For a working channel, this is the cumulative number of seconds that service was carried on the protection line. For the protection line, this is the cumulative number of seconds that the protection line has been used to carry any working channel traffic. This information is only valid if revertive switching is enabled. The value 0 will be returned otherwise. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime. For example, if the value of an instance of apsChanStatusSwitchoverSeconds changes from a non-zero value to zero due to revertive switching being disabled, it is expected that the corresponding value of apsChanStatusDiscontinuityTime will be updated to reflect the time of the configuration change.

Table 451 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
switchovers [Switchovers] (apsChanStatusSwitchovers)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the number of times this channel has switched to the protection line. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the number of times that any working channel has been switched back to the working line from this protection line. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
<p>ApsGroupStats MIB entry name: apsStatusEntry Entry description: A conceptual row in the apsStatusTable. Table description (for apsStatusTable): This table provides status information about APS groups that have been configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsGroup</p>		
channelMismatches [Channel Mismatches] (apsStatusChannelMismatches)	long	A count of Channel Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
discontinuityTime [Discontinuity Time] (apsStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this APS group's counters suffered a discontinuity. The relevant counters are the specific instances associated with this APS group of any Counter32 object contained in apsStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.

Table 451 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fEPLFs [fEPLFs] (apsStatusfEPLFs)	long	A count of Far-End Protection-Line Failure conditions. This condition is declared based on receiving SF on the protection line in the K1 byte. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
modeMismatches [Mode Mismatches] (apsStatusModeMismatches)	long	A count of Mode Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
pSBFs [PSBFs] (apsStatusPSBFs)	long	A count of Protection Switch Byte Failure conditions. This condition occurs when either an inconsistent APS byte or an invalid code is detected. An inconsistent APS byte occurs when no three consecutive K1 bytes of the last 12 successive frames are identical, starting with the last frame containing a previously consistent byte. An invalid code occurs when the incoming K1 byte contains an unused code or a code irrelevant for the specific switching operation (e.g., Reverse Request while no switching request is outstanding) in three consecutive frames. An invalid code also occurs when the incoming K1 byte contains an invalid channel number in three consecutive frames. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.

Table 452 arp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapArpHostStats</p> <p>MIB entry name: sapArpHostStatEntry</p> <p>Entry description: ARP host specific status and statistics information about a SAP.</p> <p>Table description (for sapArpHostStatTable): A table that contains ARP host status and statistics information about SAP's.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		
numAuthReq [Num Auth Req] (sapArpHostStatNumAuthReq)	long	The value of sapArpHostStatNumAuthReq indicates the number of times that the system initiated an authentication request for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numCreated [Num Created] (sapArpHostStatNumCreated)	long	The value of sapArpHostStatNumCreated indicates the number of times that an ARP host was created on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numDeleted [Num Deleted] (sapArpHostStatNumDeleted)	long	The value of sapArpHostStatNumDeleted indicates the number of times that an ARP host was deleted on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numForcedVerif [Num Forced Verif] (sapArpHostStatNumForcedVerif)	long	The value of sapArpHostStatNumForcedVerif indicates the number of times that the system started a forced subscriber host connectivity verification for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 452 arp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numHosts [Num Hosts] (sapArpHostStatNumHosts)	long	The value of sapArpHostStatNumHosts indicates the actual number of ARP hosts on this SAP.
numUpdated [Num Updated] (sapArpHostStatNumUpdated)	long	The value of sapArpHostStatNumUpdated indicates the number of times that an ARP host was updated on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
trigIgnQFull [Trig Ign QFull] (sapArpHostStatTrigIgnQFull)	long	The value of sapArpHostStatTrigIgnQFull indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host because the internal ARP trigger event queue of the system was full, since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
triggersIgnored [Triggers Ignored] (sapArpHostStatTriggersIgnored)	long	The value of sapArpHostStatTriggersIgnored indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared. This number does not include the number indicated by sapArpHostStatTrigIgnQFull.
triggersRx [Triggers Rx] (sapArpHostStatTriggersRx)	long	The value of sapArpHostStatTriggersRx indicates the number of ARP triggers received on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 453 atm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ATMCpStats</p> <p>MIB entry name: tAtmCpStatisticsEntry</p> <p>Entry description: An entry in the tAtmCpStatisticsTable contains statistics information applicable to a particular connection profile assigned to a particular interface.</p> <p>Table description (for tAtmCpStatisticsTable): The tAtmCpStatisticsTable is used to gather statistics on connection profiles assigned to interfaces.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmCpStatsClp0CellsRxd [TAtm Cp Stats Clp 0 Cells Rxd] (tAtmCpStatsClp0CellsRxd)	java. math. BigInteger	The value of tAtmCpStatsClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the connection profile.
tAtmCpStatsClp0CellsTxd [TAtm Cp Stats Clp 0 Cells Txd] (tAtmCpStatsClp0CellsTxd)	java. math. BigInteger	The value of tAtmCpStatsClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the connection profile.
tAtmCpStatsDrpCellsRxd [TAtm Cp Stats Drp Cells Rxd] (tAtmCpStatsDrpCellsRxd)	long	The value of tAtmCpStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the connection profile. This excludes any buffer management discards (if applicable).
tAtmCpStatsDrpClp0CellsRxd [TAtm Cp Stats Drp Clp 0 Cells Rxd] (tAtmCpStatsDrpClp0CellsRxd)	long	The value of tAtmCpStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the connection profile. This excludes any buffer management discards (if applicable).
tAtmCpStatsDrpClp0CellsTxd [TAtm Cp Stats Drp Clp 0 Cells Txd] (tAtmCpStatsDrpClp0CellsTxd)	long	The value of tAtmCpStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this connection profile. This includes both discards due to buffer management and policer.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmCpStatsTagCells [TAtm Cp Stats Tag Cells] (tAtmCpStatsTagCells)	long	The value of tAtmCpStatsTagCells indicates the number of tagged CLP=0 cells of the connection profile. The egress may or may not discard these cells.
tAtmCpStatsTotalCellsRxd [TAtm Cp Stats Total Cells Rxd] (tAtmCpStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmCpStatsTotalCellsRxd indicates the number of valid ATM cells received by the connection profile. If traffic policing is implemented, then cells are counted prior to the application of traffic policing. To obtain the byte count multiply tAtmCpStatsTotalCellsRxd by 53.
tAtmCpStatsTotalCellsTxd [TAtm Cp Stats Total Cells Txd] (tAtmCpStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmCpStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the connection profile. If traffic policing is implemented, then cells are counted prior to the application of traffic policing. To obtain the byte count multiply tAtmCpStatsTotalCellsTxd by 53.
<p>AtmCellVclStatistics MIB entry name: tAtmCellVclStatisticsEntry Entry description: An entry in the tAtmCellVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmCellVclStatisticsTable): tAtmCellVclStatisticsTable is used to gather cell-level statistics on a particular VCC entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection</p>		
tAtmCellVclStatsClp0CellsRxd [TAtm Cell Vcl Stats Clp 0 Cells Rxd] (tAtmCellVclStatsClp0CellsRxd)	java. math. BigInteger	The value of tAtmCellVclStatsClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VCL.
tAtmCellVclStatsClp0CellsTxd [TAtm Cell Vcl Stats Clp 0 Cells Txd] (tAtmCellVclStatsClp0CellsTxd)	java. math. BigInteger	The value of tAtmCellVclStatsClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VCL.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmCellVclStatsDrpCellsRxd [TAtm Cell Vcl Stats Drp Cells Rxd] (tAtmCellVclStatsDrpCellsRxd)	long	The value of tAtmCellVclStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VCL. This excludes any buffer management discards (if applicable).
tAtmCellVclStatsDrpClp0CellsRxd [TAtm Cell Vcl Stats Drp Clp 0 Cells Rxd] (tAtmCellVclStatsDrpClp0CellsRxd)	long	The value of tAtmCellVclStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VCL. This excludes any buffer management discards (if applicable).
tAtmCellVclStatsDrpClp0CellsTxd [TAtm Cell Vcl Stats Drp Clp 0 Cells Txd] (tAtmCellVclStatsDrpClp0CellsTxd)	long	The value of tAtmCellVclStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VCL. This includes both discards due to buffer management and policer.
tAtmCellVclStatsTagCells [TAtm Cell Vcl Stats Tag Cells] (tAtmCellVclStatsTagCells)	long	The value of tAtmCellVclStatsTagCells indicates the number of tagged CLP=0 cells of the VCL. The egress may or may not discard these cells.
<p>AtmIfcStatistics</p> <p>MIB entry name: tAtmIfcStatisticsEntry</p> <p>Entry description: An entry in the tAtmIfcStatisticsTable containing statistics information applicable to a particular IFC entry.</p> <p>Table description (for tAtmIfcStatisticsTable): The tAtmIfcStatisticsTable is used to gather cell-level statistics on a particular IFC entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IfConnection</p>		
tAtmIfcStatsDrpCellsRxd [TAtm Ifc Stats Drp Cells Rxd] (tAtmIfcStatsDrpCellsRxd)	long	The value of tAtmIfcStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the IFC. This excludes any buffer management discards (if applicable).
tAtmIfcStatsDrpClp0CellsRxd [TAtm Ifc Stats Drp Clp 0 Cells Rxd] (tAtmIfcStatsDrpClp0CellsRxd)	long	The value of tAtmIfcStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the IFC. This excludes any buffer management discards (if applicable).

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmIfcStatsDrpClp0CellsTxd [TAtm Ifc Stats Drp Clp 0 Cells Txd] (tAtmIfcStatsDrpClp0CellsTxd)	long	The value of tAtmIfcStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this IFC. This includes both discards due to buffer management and policer.
tAtmIfcStatsTagCells [TAtm Ifc Stats Tag Cells] (tAtmIfcStatsTagCells)	long	The value of tAtmIfcStatsTagCells indicates the number of tagged CLP=0 cells of the IFC. The egress may or may not discard these cells.
tAtmIfcStatsTotalBytesRxd [TAtm Ifc Stats Total Bytes Rxd] (tAtmIfcStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesTxd indicates the number of bytes transmitted by this IFC. This is the number of tAtmIfcStatsTotalCellsTxd multiplied by 53.
tAtmIfcStatsTotalBytesTxd [TAtm Ifc Stats Total Bytes Txd] (tAtmIfcStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesRxd indicates the number of bytes received by this IFC. This is the number of tAtmIfcStatsTotalCellsRxd multiplied by 53.
tAtmIfcStatsTotalCellsRxd [TAtm Ifc Stats Total Cells Rxd] (tAtmIfcStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsRxd indicates the number of valid ATM cells received by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalCellsTxd [TAtm Ifc Stats Total Cells Txd] (tAtmIfcStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsRxd [TAtm Ifc Stats Total Clp 0 Cells Rxd] (tAtmIfcStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsTxd [TAtm Ifc Stats Total Clp 0 Cells Txd] (tAtmIfcStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmOamVplStatistics</p> <p>MIB entry name: tAtmOamVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVplStatisticsTable): The tAtmOamVplStatisticsTable is used to gather oam statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		
tAtmOamVplStatsAISCellsRxd [TAtm Oam Vpl Stats AISCells Rxd] (tAtmOamVplStatsAISCellsRxd)	long	The value of tAtmOamVplStatsAISCellsRxd indicates the number of AIS cells received on this VPL for both end to end and segment.
tAtmOamVplStatsAISCellsTxd [TAtm Oam Vpl Stats AISCells Txd] (tAtmOamVplStatsAISCellsTxd)	long	The value of tAtmOamVplStatsAISCellsTxd indicates the number of AIS cells transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsCrc10Errors [TAtm Oam Vpl Stats Crc 10 Errors] (tAtmOamVplStatsCrc10Errors)	long	The value of tAtmOamVplStatsCrc10Errors indicates the number of OAM cells discarded on this VPL with CRC 10 errors.
tAtmOamVplStatsLoopbackCellsRxd [TAtm Oam Vpl Stats Loopback Cells Rxd] (tAtmOamVplStatsLoopbackCellsRxd)	long	The value of tAtmOamVplStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VPL for both end to end and segment.
tAtmOamVplStatsLoopbackCellsTxd [TAtm Oam Vpl Stats Loopback Cells Txd] (tAtmOamVplStatsLoopbackCellsTxd)	long	The value of tAtmOamVplStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsOtherCellsRxd [TAtm Oam Vpl Stats Other Cells Rxd] (tAtmOamVplStatsOtherCellsRxd)	long	This value of tAtmOamVplStatsOtherCellsRxd indicates the number of OAM cells that are received on this VPL but not identified.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmOamVplStatsRDICellsRxd [TAtm Oam Vpl Stats RDICells Rxd] (tAtmOamVplStatsRDICellsRxd)	long	The value of tAtmOamVplStatsRDICellsRxd indicates the number of RDI cells received on this VPL for both end to end and segment.
tAtmOamVplStatsRDICellsTxd [TAtm Oam Vpl Stats RDICells Txd] (tAtmOamVplStatsRDICellsTxd)	long	The value of tAtmOamVplStatsRDICellsTxd indicates the number of RDI cells transmitted on this VPL for both end to end and segment.
<p>AtmVplStatistics MIB entry name: tAtmVplStatisticsEntry Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB. Table description (for tAtmVplStatisticsTable): The tAtmVplStatisticsTable is used to gather cell-level statistics on a particular VPL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.VPConnection</p>		
tAtmVplStatsDrpCellsRxd [TAtm Vpl Stats Drp Cells Rxd] (tAtmVplStatsDrpCellsRxd)	long	The value of tAtmVplStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsRxd [TAtm Vpl Stats Drp Clp 0 Cells Rxd] (tAtmVplStatsDrpClp0CellsRxd)	long	The value of tAtmVplStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsTxd [TAtm Vpl Stats Drp Clp 0 Cells Txd] (tAtmVplStatsDrpClp0CellsTxd)	long	The value of tAtmVplStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VPL. This includes both discards due to buffer management and policer.
tAtmVplStatsTagCells [TAtm Vpl Stats Tag Cells] (tAtmVplStatsTagCells)	long	The value of tAtmVplStatsTagCells indicates the number of tagged CLP=0 cells of the VPL. The egress may or may not discard these cells.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVplStatsTotalBytesRxd [TAtm Vpl Stats Total Bytes Rxd] (tAtmVplStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesRxd indicates the number of bytes received by this VPL. This is the number of tAtmVplStatsTotalCellsRxd multiplied by 53.
tAtmVplStatsTotalBytesTxd [TAtm Vpl Stats Total Bytes Txd] (tAtmVplStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesTxd indicates the number of bytes transmitted by this VPL. This is the number of tAtmVplStatsTotalCellsTxd multiplied by 53.
tAtmVplStatsTotalCellsRxd [TAtm Vpl Stats Total Cells Rxd] (tAtmVplStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsRxd indicates the number of valid ATM cells received by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalCellsTxd [TAtm Vpl Stats Total Cells Txd] (tAtmVplStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsRxd [TAtm Vpl Stats Total Clp 0 Cells Rxd] (tAtmVplStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsTxd [TAtm Vpl Stats Total Clp 0 Cells Txd] (tAtmVplStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmVtlStatistics</p> <p>MIB entry name: tAtmVtlStatisticsEntry</p> <p>Entry description: An entry in the tAtmVtlStatisticsTable containing statistics information applicable to a particular VTL entry.</p> <p>Table description (for tAtmVtlStatisticsTable): The tAtmVtlStatisticsTable is used to gather cell-level statistics on a particular VTL entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VTConnection</p>		
tAtmVtlStatsDrpCellsRxd [TAtm Vtl Stats Drp Cells Rxd] (tAtmVtlStatsDrpCellsRxd)	long	The value of tAtmVtlStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsRxd [TAtm Vtl Stats Drp Clp 0 Cells Rxd] (tAtmVtlStatsDrpClp0CellsRxd)	long	The value of tAtmVtlStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsTxd [TAtm Vtl Stats Drp Clp 0 Cells Txd] (tAtmVtlStatsDrpClp0CellsTxd)	long	The value of tAtmVtlStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VTL. This includes both discards due to buffer management and policer.
tAtmVtlStatsTagCells [TAtm Vtl Stats Tag Cells] (tAtmVtlStatsTagCells)	long	The value of tAtmVtlStatsTagCells indicates the number of tagged CLP=0 cells of the VTL. The egress may or may not discard these cells.
tAtmVtlStatsTotalBytesRxd [TAtm Vtl Stats Total Bytes Rxd] (tAtmVtlStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalBytesTxd indicates the number of bytes transmitted by this VTL. This is the number of tAtmVtlStatsTotalCellsTxd multiplied by 53.
tAtmVtlStatsTotalBytesTxd [TAtm Vtl Stats Total Bytes Txd] (tAtmVtlStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalBytesRxd indicates the number of bytes received by this VTL. This is the number of tAtmVtlStatsTotalCellsRxd multiplied by 53.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVtlStatsTotalCellsRxd [TAtm Vtl Stats Total Cells Rxd] (tAtmVtlStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalCellsRxd indicates the number of valid ATM cells received by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalCellsTxd [TAtm Vtl Stats Total Cells Txd] (tAtmVtlStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsRxd [TAtm Vtl Stats Total Clp 0 Cells Rxd] (tAtmVtlStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsTxd [TAtm Vtl Stats Total Clp 0 Cells Txd] (tAtmVtlStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
<p>IlmiStatistics</p> <p>MIB entry name: tAtmIlmiLinkStatisticsEntry</p> <p>Entry description: An entry in the tAtmIlmiLinkStatisticsTable containing statistics information applicable to a particular ILMI link on an ATM interface.</p> <p>Table description (for tAtmIlmiLinkStatisticsTable): The tAtmIlmiLinkStatisticsTable is used to gather statistics on a particular ILMI Link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IlmiLink</p>		
inBadValueErrors [In Bad Value Errors] (tAtmIlmiLinkInBadValueErrors)	long	The value of tAtmIlmiLinkInBadValueErrors indicates the total number SNMP 'BadValue' error messages received on this ILMI link.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inGeneralErrors [In General Errors] (tAtmIImiLinkInGeneralErrors)	long	The value of tAtmIImiLinkInGeneralErrors indicates the total number SNMP 'General' error messages received on this ILMI link.
inGetNextRequest [In Get Next Request] (tAtmIImiLinkInGetNextRequestPdus)	long	The value of tAtmIImiLinkInGetNextRequestPdus indicates the total number 'GetNextRequest' SNMP PDUs received on this ILMI link.
inGetRequest [In Get Request] (tAtmIImiLinkInGetRequestPdus)	long	The value of tAtmIImiLinkInGetRequestPdus indicates the total number GetRequest SNMP PDUs received on this ILMI link.
inGetResponse [In Get Response] (tAtmIImiLinkInGetResponsePdus)	long	The value of tAtmIImiLinkInGetResponsePdus indicates the total number 'GetResponse' SNMP PDUs received on this ILMI link in response to 'GetRequest', 'GetNextRequest' and 'SetRequests' sent.
inNoSuchNameErrors [In No Such Name Errors] (tAtmIImiLinkInNoSuchNameErrors)	long	The value of tAtmIImiLinkInNoSuchNameErrors indicates the total number SNMP 'NoSuchName' error messages received on this ILMI link.
inPdu [In Pdu] (tAtmIImiLinkInPdus)	long	The value of tAtmIImiLinkInPdus indicates the total number SNMP PDUs received on this ILMI link.
inReadOnlyErrors [In Read Only Errors] (tAtmIImiLinkInReadOnlyErrors)	long	The value of tAtmIImiLinkInReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages received on this ILMI link.
inSetRequestPackets [In Set Request Packets] (tAtmIImiLinkInSetRequestPdus)	long	The value of tAtmIImiLinkInSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs received on this ILMI link.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTooBigErrors [In Too Big Errors] (tAtmIImiLinkInTooBigErrors)	long	The value of tAtmIImiLinkInTooBigErrors indicates the total number SNMP `TooBig' error messages received on this ILMI link.
inTraps [In Traps] (tAtmIImiLinkInTrapPdus)	long	The value of tAtmIImiLinkInTrapPdus indicates the total number Trap SNMP PDUs received on this ILMI link.
outBadValueErrors [Out Bad Value Errors] (tAtmIImiLinkOutBadValueErrors)	long	The value of tAtmIImiLinkOutBadValueErrors indicates the total number SNMP `BadValue' error messages sent on this ILMI link.
outGeneralErrors [Out General Errors] (tAtmIImiLinkOutGeneralErrors)	long	The value of tAtmIImiLinkOutGeneralErrors indicates the total number SNMP `General' error messages sent on this ILMI link.
outGetNextRequest [Out Get Next Request] (tAtmIImiLinkOutGetNextRequestPdus)	long	The value of tAtmIImiLinkOutGetNextRequestPdus indicates the total number GetNextRequest SNMP PDUs sent on this ILMI link.
outGetRequest [Out Get Request] (tAtmIImiLinkOutGetRequestPdus)	long	The value of tAtmIImiLinkOutGetRequestPdus indicates the total number GetRequest SNMP PDUs sent on this ILMI link.
outGetResponse [Out Get Response] (tAtmIImiLinkOutGetResponsePdus)	long	The value of tAtmIImiLinkOutGetResponsePdus indicates the total number GetResponse SNMP PDUs sent on this ILMI link in response to GetRequest, GetNextRequest and 'SetRequests' received.
outNoSuchNameErrors [Out No Such Name Errors] (tAtmIImiLinkOutNoSuchNameErrors)	long	The value of tAtmIImiLinkOutNoSuchNameErrors indicates the total number SNMP `NoSuchName' error messages sent on this ILMI link.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPdu [Out Pdu] (tAtmIImiLinkOutPdus)	long	The value of tAtmIImiLinkOutPdus indicates the total number SNMP PDUs sent on this ILMI link.
outReadOnlyErrors [Out Read Only Errors] (tAtmIImiLinkOutReadOnlyErrors)	long	The value of tAtmIImiLinkOutReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages sent on this ILMI link.
outSetRequestPackets [Out Set Request Packets] (tAtmIImiLinkOutSetRequestPdus)	long	The value of tAtmIImiLinkOutSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs sent on this ILMI link.
outTooBigErrors [Out Too Big Errors] (tAtmIImiLinkOutTooBigErrors)	long	The value of tAtmIImiLinkOutTooBigErrors indicates the total number SNMP 'TooBig' error messages sent on this ILMI link.
outTraps [Out Traps] (tAtmIImiLinkOutTrapPdus)	long	The value of tAtmIImiLinkOutTrapPdus indicates the total number Trap SNMP PDUs sent on this ILMI link.
snmpCommStringErrors [Snmp Comm String Errors] (tAtmIImiLinkInInvalidSnmpCommunityStringPdus)	long	The value of tAtmIImiLinkInInvalidSnmpCommunityStringPdus indicates the total number SNMP PDUs received with invalid community string on this ILMI link.
snmpFormatErrors [Snmp Format Errors] (tAtmIImiLinkInInvalidSnmpFormatPdus)	long	The value of tAtmIImiLinkInInvalidSnmpFormatPdus indicates the total number SNMP PDUs received with invalid ASN.1 format on this ILMI link.
snmpVersionErrors [Snmp Version Errors] (tAtmIImiLinkInInvalidSnmpVersionPdus)	long	The value of tAtmIImiLinkInInvalidSnmpVersionPdus indicates the total number SNMP PDUs received with invalid version on this ILMI link.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAal5Stats</p> <p>MIB entry name: tAtmIntfAal5StatsEntry</p> <p>Entry description: An entry in the tAtmIntfAal5StatsEntry containing statistics information applicable to an ATM interface at the AAL5 Layer.</p> <p>Table description (for tAtmIntfAal5StatsTable): The tAtmIntfAal5StatsTable contains ATM interface stats at the AAL5 Layer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmInterfaceAal5StatsTotalCrc32Errors [TAtm Interface Aal5 Stats Total Crc 32 Errors] (tAtmIntfAal5StatsTotalCrc32Err)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalCrc32Err indicates the number of Errors detected by the 32 bit cyclic redundancy check.
tAtmInterfaceAal5StatsTotalPktsDroppedRxd [TAtm Interface Aal5 Stats Total Pkts Dropped Rxd] (tAtmIntfAal5StatsTotalPktsDrpRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpRxd indicates the number of AAL5 PDUs dropped by the ATM interface in the receive direction. This count does not include crc32 Errors or oversized SDU discards
tAtmInterfaceAal5StatsTotalPktsDroppedTxd [TAtm Interface Aal5 Stats Total Pkts Dropped Txd] (tAtmIntfAal5StatsTotalPktsDrpTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpTxd indicates the number of AAL5 PDUs dropped in the transmit direction. This count does not include crc32 Errors or oversized SDU discards.
tAtmInterfaceAal5StatsTotalPktsRxd [TAtm Interface Aal5 Stats Total Pkts Rxd] (tAtmIntfAal5StatsTotalPktsRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsRxd indicates the number of AAL5 PDUs that are received by the ATM interface.
tAtmInterfaceAal5StatsTotalPktsTxd [TAtm Interface Aal5 Stats Total Pkts Txd] (tAtmIntfAal5StatsTotalPktsTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsTxd indicates the number of AAL5 PDUs that are transmitted by the ATM interface.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: tAtmIntfStatsEntry Entry description: An entry in the tAtmIntfStatsEntry containing statistics information applicable to an ATM interface. Table description (for tAtmIntfStatsTable): The tAtmIntfStatsTable contains ATM interface stats at the ATM Layer. Supports realtime plotting Supports scheduled collection Monitored class: atm.Interface		
tAtmInterfaceStatsTotalBytesRxd [TAtm Interface Stats Total Bytes Rxd] (tAtmIntfStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesRxd indicates the number of bytes received on this interface. This is the number of tAtmIntfStatsTotalCellsRxd multiplied by 53.
tAtmInterfaceStatsTotalBytesTxd [TAtm Interface Stats Total Bytes Txd] (tAtmIntfStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesTxd indicates the number of bytes transmitted on this interface. This is the number of tAtmIntfStatsTotalCellsTxd multiplied by 53.
tAtmInterfaceStatsTotalCellsRxd [TAtm Interface Stats Total Cells Rxd] (tAtmIntfStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsRxd indicates the number of valid ATM cells received by the ATM interface including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmInterfaceStatsTotalCellsTxd [TAtm Interface Stats Total Cells Txd] (tAtmIntfStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the ATM interface including both CLP=0 and CLP=1 cells.
tAtmInterfaceStatsTotalUnknownCellsDropped [TAtm Interface Stats Total Unknown Cells Dropped] (tAtmIntfStatsTotalUnknCellsDrp)	long	The value of tAtmIntfStatsTotalUnknCellsDrp indicates the number of cells dropped due to an unknown VPI/VCI.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionAal5PerformanceStats</p> <p>MIB entry name: aal5VccEntry</p> <p>Entry description: This list contains the AAL5 VCC performance parameters and is indexed by ifIndex values of AAL5 interfaces and the associated VPI/VCI values.</p> <p>Table description (for aal5VccTable): This table contains AAL5 VCC performance parameters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
aal5CrcErrors [Aal5 Crc Errors] (aal5VccCrcErrors)	long	The number of AAL5 CPCS PDUs received with CRC-32 errors on this AAL5 VCC at the interface associated with an AAL5 entity.
aal5OverSizedSDUs [Aal5 Over Sized SDUs] (aal5VccOverSizedSDUs)	long	The number of AAL5 CPCS PDUs discarded on this AAL5 VCC at the interface associated with an AAL5 entity because the AAL5 SDUs were too large.
aal5SarTimeOuts [Aal5 Sar Time Outs] (aal5VccSarTimeOuts)	long	The number of partially re-assembled AAL5 CPCS PDUs which were discarded on this AAL5 VCC at the interface associated with an AAL5 entity because they were not fully re-assembled within the required time period. If the re-assembly timer is not supported, then this object contains a zero value.
<p>PvcConnectionAal5Stats</p> <p>MIB entry name: tAal5VccStatisticsEntry</p> <p>Entry description: An entry in the tAal5VccStatisticsTable containing statistics information applicable to a particular AAL5 VCC entry in the AToM MIB.</p> <p>Table description (for tAal5VccStatisticsTable): tAal5VccStatisticsTable is used to gather AAL5-level statistics on a particular AAL5 VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aal5DroppedPacketsRxd [Aal5 Dropped Packets Rxd] (tAal5VccStatsDrpPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsRxd indicates the number of dropped AAL-5 SDUs that have been received on the AAL-5 VCC.
aal5DroppedPacketsTxd [Aal5 Dropped Packets Txd] (tAal5VccStatsDrpPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsTxd indicates the number of dropped AAL-5 SDUs that would have been transmitted on the AAL-5 VCC.
aal5PacketsRxd [Aal5 Packets Rxd] (tAal5VccStatsPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsRxd indicates the number of valid AAL-5 SDUs and AAL-5 SDUs with CRC-32 errors received by the AAL-5 VCC.
aal5PacketsTxd [Aal5 Packets Txd] (tAal5VccStatsPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsTxd indicates the number of AAL-5 SDUs transmitted by the AAL-5 VCC.
<p>PvcConnectionOamStats MIB entry name: tAtmOamVclStatisticsEntry Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmOamVclStatisticsTable): The tAtmOamVclStatisticsTable is used to gather oam statistics on a particular VCL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection</p>		
oamAISCellsRxd [Oam AISCells Rxd] (tAtmOamVclStatsAISCellsRxd)	long	The value of tAtmOamVclStatsAISCellsRxd indicates the number of AIS cells received on this VC for both end to end and segment.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oamAISCellsTxd [Oam AISCells Txd] (tAtmOamVclStatsAISCellsTxd)	long	The value of tAtmOamVclStatsAISCellsTxd indicates the number of AIS cells transmitted on this VC for both end to end and segment.
oamCrc10Errors [Oam Crc 10 Errors] (tAtmOamVclStatsCrc10Err)	long	The value of tAtmOamVclStatsCrc10Err indicates the number of oam cells discarded with CRC 10 Errors.
oamLoopbackCellsRxd [Oam Loopback Cells Rxd] (tAtmOamVclStatsLoopbackCellsRxd)	long	The value of tAtmOamVclStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VC for both end to end and segment.
oamLoopbackCellsTxd [Oam Loopback Cells Txd] (tAtmOamVclStatsLoopbackCellsTxd)	long	The value of tAtmOamVclStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VC for both end to end and segment.
oamOtherCellsRxd [Oam Other Cells Rxd] (tAtmOamVclStatsOtherCellsRxd)	long	This value of tAtmOamVclStatsOtherCellsRxd indicates the number of oam cells that are received but not identified.
oamRDICellsRxd [Oam RDICells Rxd] (tAtmOamVclStatsRDICellsRxd)	long	The value of tAtmOamVclStatsRDICellsRxd indicates the number of RDI cells received on this VC for both end to end and segment.
oamRDICellsTxd [Oam RDICells Txd] (tAtmOamVclStatsRDICellsTxd)	long	The value of tAtmOamVclStatsRDICellsTxd indicates the number of RDI cells transmitted on this VC for both end to end and segment.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionStats</p> <p>MIB entry name: tAtmVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmVclStatisticsTable): The tAtmVclStatisticsTable is used to gather cell-level statistics on a particular VCL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
totalBytesRxd [Total Bytes Rxd] (tAtmVclStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesRxd indicates the number of bytes received by this Vcl. This is the number of tAtmVclStatsTotalCellsRxd multiplied by 53.
totalBytesTxd [Total Bytes Txd] (tAtmVclStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesTxd indicates the number of bytes transmitted by this Vcl. This is the number of tAtmVclStatsTotalCellsTxd multiplied by 53.
totalPacketsRxd [Total Packets Rxd] (tAtmVclStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsRxd indicates the number of valid ATM cells received by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
totalPacketsTxd [Total Packets Txd] (tAtmVclStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 453 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TCStats</p> <p>MIB entry name: atmInterfaceTCEntry</p> <p>Entry description: This list contains TC Sublayer parameters and state variables at the ATM interface and is indexed by the ifIndex value of the ATM interface.</p> <p>Table description (for atmInterfaceTCTable): This table contains ATM interface TC Sublayer parameters and state variables, one entry per ATM interface port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
ocdEvents [Ocd Events] (atmInterfaceOCDEvents)	long	The number of times the Out of Cell Delineation (OCD) events occur. If seven consecutive ATM cells have Header Error Control (HEC) violations, an OCD event occurs. A high number of OCD events may indicate a problem with the TC Sublayer.
<p>TCSubLayerStats</p> <p>MIB entry name: tAtmTCSublayerEntry</p> <p>Entry description: An entry in the tAtmTCSublayerEntry containing additional management information about the Transmission Coverage Sublayer.</p> <p>Table description (for tAtmTCSublayerTable): The tAtmTCSublayerTable contains the Transmission Convergence Sublayer data.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
hecErrors [Hec Errors] (tAtmTCSublayerHecErrors)	long	The value of tAtmTCSublayerHecErrors indicates the number of cells with uncorrectable HEC Errors on this interface.
hecErrorsFixed [Hec Errors Fixed] (tAtmTCSublayerHecErrorsFixed)	long	The value of tAtmTCSublayerHecErrorsFixed indicates the number of cells with correctable HEC Errors on this interface.

Table 454 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the established state or how long since this peer was last in the established state. It is set to zero when a new peer is configured or when the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtSuppPfxDamp indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
bgpLsActivePfxs [Bgp Ls Active Pfxs] (tBgpPeerNgOperBgpLsActivePfxs)	long	The value of tBgpPeerNgOperBgpLsActivePfxs indicates the number of active bgp-ls prefixes from this peer.
bgpLsRecvPfxs [Bgp Ls Recv Pfxs] (tBgpPeerNgOperBgpLsRecvPfxs)	long	The value of tBgpPeerNgOperBgpLsRecvPfxs indicates the number of bgp-ls prefixes received from this peer.
bgpLsRejPfxs [Bgp Ls Rej Pfxs] (tBgpPeerNgOperBgpLsRejPfxs)	long	The value of tBgpPeerNgOperBgpLsRejPfxs indicates the number of bgp-ls prefixes rejected from this peer.
bgpLsSentPfxs [Bgp Ls Sent Pfxs] (tBgpPeerNgOperBgpLsSentPfxs)	long	The value of tBgpPeerNgOperBgpLsSentPfxs indicates the number of bgp-ls prefixes transmitted to this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpLsSupPfxDamp [Bgp Ls Sup Pfx Damp] (tBgpPeerNgOperBgpLsSupPfxDamp)	long	The value of tBgpPeerNgOperBgpLsSupPfxDamp indicates the number of bgp-ls prefixes from this peer, which have been suppressed by damping
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
I2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperI2VpnActivePfxs)	long	The value of tBgpPeerNgOperI2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
I2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperI2VpnRecvPfxs)	long	The value of tBgpPeerNgOperI2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
labelV4ActivePfxs [Label V4 Active Pfxs] (tBgpPeerNgOperLabelV4ActivePfxs)	long	The value of tBgpPeerNgOperLabelV4ActivePfxs indicates the number of active label-ipv4 prefixes from this peer.
labelV4BackupPfxs [Label V4 Backup Pfxs] (tBgpPeerNgOperLabelV4BackupPfxs)	long	The value of tBgpPeerNgOperLabelV4BackupPfxs indicates the number of label-ipv4 routes selected as backup from this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelV4RecvPfxs [Label V4 Recv Pfxs] (tBgpPeerNgOperLabelV4RecvPfxs)	long	The value of tBgpPeerNgOperLabelV4RecvPfxs indicates the number of label-ipv4 prefixes received from this peer.
labelV4RejPfxs [Label V4 Rej Pfxs] (tBgpPeerNgOperLabelV4RejPfxs)	long	The value of tBgpPeerNgOperLabelV4RejPfxs indicates the number of label-ipv4 prefixes rejected from this peer.
labelV4SentPfxs [Label V4 Sent Pfxs] (tBgpPeerNgOperLabelV4SentPfxs)	long	The value of tBgpPeerNgOperLabelV4SentPfxs indicates the number of label-ipv4 prefixes transmitted to this peer.
labelV4SupPfxDamp [Label V4 Sup Pfx Damp] (tBgpPeerNgOperLabelV4SupPfxDamp)	long	The value of tBgpPeerNgOperLabelV4SupPfxDamp indicates the number of label-ipv4 prefixes from this peer, which have been suppressed by damping.
labelV6ActivePfxs [Label V6 Active Pfxs] (tBgpPeerNgOperLabelV6ActivePfxs)	long	The value of tBgpPeerNgOperLabelV6ActivePfxs indicates the number of active label-ipv6 prefixes from this peer.
labelV6BackupPfxs [Label V6 Backup Pfxs] (tBgpPeerNgOperLabelV6BackupPfxs)	long	The value of tBgpPeerNgOperLabelV6BackupPfxs indicates the number of label-ipv6 routes selected as backup from this peer.
labelV6RecvPfxs [Label V6 Recv Pfxs] (tBgpPeerNgOperLabelV6RecvPfxs)	long	The value of tBgpPeerNgOperLabelV6RecvPfxs indicates the number of label-ipv6 prefixes received from this peer.
labelV6RejPfxs [Label V6 Rej Pfxs] (tBgpPeerNgOperLabelV6RejPfxs)	long	The value of tBgpPeerNgOperLabelV6RejPfxs indicates the number of label-ipv6 prefixes rejected from this peer.
labelV6SentPfxs [Label V6 Sent Pfxs] (tBgpPeerNgOperLabelV6SentPfxs)	long	The value of tBgpPeerNgOperLabelV6SentPfxs indicates the number of label-ipv6 prefixes transmitted to this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelV6SupPfxDamp [Label V6 Sup Pfx Damp] (tBgpPeerNgOperLabelV6SupPfxDamp)	long	The value of tBgpPeerNgOperLabelV6SupPfxDamp indicates the number of label-ipv6 prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SupPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SupPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.

Table 454 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 455 bundle statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BundleStats</p> <p>MIB entry name: tmnxBundleEntry</p> <p>Entry description: Each row entry represents a multilink bundle on a MDA. Entries can be created and deleted via SNMP SET operations using the tmnxBundleRowStatus object. The tmnxBundleBundleID will contain the bundle number encoded in it. The bundle number is unique for a MDA. For each tmnxBundleEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for tmnxBundleTable): The tmnxBundleTable has an entry for a bundle created on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.Interface</p>		
inputDiscards [Input Discards] (tmnxBundleInputDiscards)	long	tmnxBundleInputDiscards indicates the number of LCP packets that were discarded. This object is only supported for a tmnxBundleType value of mlppp.
upTime [Up Time] (tmnxBundleUpTime)	long	tmnxBundleUpTime indicates the time since the bundle is operationally 'inService'.
<p>MultiClassMlpppStats</p> <p>MIB entry name: tmnxMcMlpppStatsEntry</p> <p>Entry description: Defines an entry in tmnxMcMlpppStatsTable. Entries are created and deleted by the system depending on the number of classes being used by a given MLPPP bundle.</p> <p>Table description (for tmnxMcMlpppStatsTable): Defines the Nokia SROS series Multiclass MLPPP statistics table for providing the capability of retrieving the traffic statistics for the physical queues being used for a class of a multiclass MLPPP bundle to forward the traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.MultiClassMlpppSpecifics</p>		

Table 455 bundle statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcMlpppStatsEgressErrPkt [Mc Mlppp Stats Egress Err Pkt] (tmnxMcMlpppStatsEgressErrPkt)	long	The value of tmnxMcMlpppStatsEgressErrPkt indicates the total number of packets discarded due to segmentation errors on the bundle for the given class on egress.
mcMlpppStatsEgressOct [Mc Mlppp Stats Egress Oct] (tmnxMcMlpppStatsEgressOct)	long	The value of tmnxMcMlpppStatsEgressOct indicates the total number of octets in all packets received on the bundle for the given class on egress before segmentation.
mcMlpppStatsEgressPkt [Mc Mlppp Stats Egress Pkt] (tmnxMcMlpppStatsEgressPkt)	long	The value of tmnxMcMlpppStatsEgressPkt indicates the total number of packets forwarded on the bundle for the given class on egress towards the line.
mcMlpppStatsIngressErrPkt [Mc Mlppp Stats Ingress Err Pkt] (tmnxMcMlpppStatsIngressErrPkt)	long	The value of tmnxMcMlpppStatsIngressErrPkt indicates the total number of packets discarded due to reassembly errors on the bundle for the given class on ingress.
mcMlpppStatsIngressOct [Mc Mlppp Stats Ingress Oct] (tmnxMcMlpppStatsIngressOct)	long	The value of tmnxMcMlpppStatsIngressOct indicates the total number of octets in all packets received on the bundle for the given class on ingress before reassembly.
mcMlpppStatsIngressPkt [Mc Mlppp Stats Ingress Pkt] (tmnxMcMlpppStatsIngressPkt)	long	The value of tmnxMcMlpppStatsIngressPkt indicates the total number of packets forwarded on the bundle for the given class on ingress towards higher layer protocols.

Table 456 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AAGroupCflowdDirExpAddrStats</p> <p>MIB entry name: tmnxBsxCflowdDirExpStatEntry</p> <p>Entry description: Each tmnxBsxCflowdDirExpStatEntry contains the statistics for an Application Assurance Cflowd direct export collector within an Application Assurance group.</p> <p>Table description (for tmnxBsxCflowdDirExpStatTable): The tmnxBsxCflowdDirExpStatTable contains statistics on the Application Assurance Cflowd direct export collectors within an Application Assurance group. Rows in this table are automatically created and destroyed when collectors are created or destroyed in the tmnxBsxCflowdDirExpAddrTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCflowdDirExpAddr</p>		
discontinueTime [Discontinue Time] (tmnxBsxCflowdDirExpStatDscntTime)	long	The value of tmnxBsxCflowdDirExpStatDscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the direct export collector last changed status.
recordSent [Record Sent] (tmnxBsxCflowdDirExpStatRecSent)	java.math.BigInteger	The value of tmnxBsxCflowdDirExpStatRecSent indicates the total number of flow records sent to the remote Cflowd direct export collector.
<p>AAGroupCflowdStats</p> <p>MIB entry name: tmnxBsxCflowdStatusEntry</p> <p>Entry description: Each tmnxBsxCflowdStatusEntry contains the Cflowd status information for a particular group, Cflowd export type and ISA-AA MDA. An index with a valid tmnxBsxIsaAaGroupIndex and a valid tmnxBsxCflowdExpType, tmnxChassisIndex set to one, and a zero value for each of the tmnxBsxCardSlotNum/tmnxMDASlotNum indices will return the summarized per group status.</p> <p>Table description (for tmnxBsxCflowdStatusTable): The tmnxBsxCflowdStatusTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Cflowd status information per group and Cflowd export type for an ISA-AA MDA uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCflowd</p>		

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowCurrent [Active Flow Current] (tmnxBsxCflowdStatusActFlowsCurr)	long	The value of tmnxBsxCflowdStatusActFlowsCurr indicates the number of active flows currently marked for export using Cflowd in the ISA-AA MDA(s).
activeRateCurrent [Active Rate Current] (tmnxBsxCflowdStatusRecRateCurr)	long	The value of tmnxBsxCflowdStatusRecRateCurr indicates the number of flow records per second being exported using Cflowd from the ISA-AA MDA(s). The calculation is based on the number of flow records inserted into Cflowd packets within the last 10 seconds.
discontinueTime [Discontinue Time] (tmnxBsxCflowdStatusDiscontTime)	long	The value of tmnxBsxCflowdStatusDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
expType [Exp Type] (tmnxBsxCflowdExpType)	int	The value of tmnxBsxCflowdExpType specifies the type of the Application Assurance statistic exported using Cflowd.
flowExported [Flow Exported] (tmnxBsxCflowdStatusFlowsNoRes)	long	The value of tmnxBsxCflowdStatusFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflows resources in the ISA-AA MDA(s).
hcFlowExported [Hc Flow Exported] (tmnxBsxCflowdStatusHCFlowsNoRes)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflows resources in the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusFlowsNoRes.
hcPacketsSent [Hc Packets Sent] (tmnxBsxCflowdStatusHCPktsSent)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCPktsSent indicates the total number of Cflowd packets sent from the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusPktsSent.
hcRecDropped [Hc Rec Dropped] (tmnxBsxCflowdStatusHCRcDropped)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCRcDropped indicates the total number of flow records dropped in the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusRecDropped.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcRecReported [Hc Rec Reported] (tmnxBsxCflowdStatusHCRecReported)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCRecReported indicates the total number of flow records reported from the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusRecReported.
packetRateCurrent [Packet Rate Current] (tmnxBsxCflowdStatusPktRateCurr)	long	The value of tmnxBsxCflowdStatusPktRateCurr indicates the number of Cflowd packets per second being exported from the ISA-AA MDA(s). The calculation is based on the number of Cflowd packets generated within the last 10 seconds.
packetsSent [Packets Sent] (tmnxBsxCflowdStatusPktsSent)	long	The value of tmnxBsxCflowdStatusPktsSent indicates the total number of Cflowd packets sent from the ISA-AA MDA(s).
recDropped [Rec Dropped] (tmnxBsxCflowdStatusRecDropped)	long	The value of tmnxBsxCflowdStatusRecDropped indicates the total number of flow records dropped in the ISA-AA MDA(s).
recReported [Rec Reported] (tmnxBsxCflowdStatusRecReported)	long	The value of tmnxBsxCflowdStatusRecReported indicates the total number of flow records reported from the ISA-AA MDA(s).
AAGroupCollectorStats MIB entry name: tmnxBsxCflowdCollStatEntry Entry description: Each tmnxBsxCflowdCollStatEntry contains the statistics for an Application Assurance Cflowd collector within an Application Assurance group. Table description (for tmnxBsxCflowdCollStatTable): The tmnxBsxCflowdCollStatTable contains statistics on the Application Assurance Cflowd collectors within an Application Assurance group. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.AAGroupCollector		
discontinueTime [Discontinue Time] (tmnxBsxCflowdCollStatDiscontTime)	long	The value of tmnxBsxCflowdCollStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the Cflowd collector has last changed status.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcRecordSent [Hc Record Sent] (tmnxBsxCflowdCollStatHCRecSent)	java. math. BigInte- ger	The value of tmnxBsxCflowdCollStatHCRecSent indicates the total number of flow records sent to the remote Cflowd collector. This object is the 64-bit version of tmnxBsxCflowdCollStatRecSent.
recordSent [Record Sent] (tmnxBsxCflowdCollStatRecSent)	long	The value of tmnxBsxCflowdCollStatRecSent indicates the total number of flow records sent to the remote Cflowd collector.
CflowdGeneralStats MIB entry name: tmnxCflowdGeneralObjs Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCflowd		
activeFlows [Active Flows] (tmnxCflowdActiveFlows)	long	The value of tmnxCflowdActiveFlows is a gauge that indicates the current number of active flows being collected.
droppedFlows [Dropped Flows] (tmnxCflowdGenDroppedFlows)	long	The value of tmnxCflowdGenDroppedFlows indicates the number of times a flow was dropped. Data from dropped flows are not reported to any collector.
genAggrFlowsCreated [Gen Aggr Flows Created] (tmnxCflowdGenAggrFlowsCreated)	long	The value of tmnxCflowdGenAggrFlowsCreated indicates the number of aggregate flows created by system.
genAggrFlowsFlushed [Gen Aggr Flows Flushed] (tmnxCflowdGenAggrFlowsFlushed)	long	The value of tmnxCflowdGenAggrFlowsFlushed indicates the number of aggregate flows flushed.
genAggrFlowsMatched [Gen Aggr Flows Matched] (tmnxCflowdGenAggrFlowsMatched)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of packets matched to an existing aggregate flow.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
genRawFlowsCreated [Gen Raw Flows Created] (tmnxCflowdGenRawFlowsCreated)	long	The value of tmnxCflowdGenRawFlowsCreated indicates the number of raw flows created by system.
genRawFlowsFlushed [Gen Raw Flows Flushed] (tmnxCflowdGenRawFlowsFlushed)	long	The value of tmnxCflowdGenRawFlowsFlushed indicates the number of raw flows flushed.
genRawFlowsMatched [Gen Raw Flows Matched] (tmnxCflowdGenRawFlowsMatched)	long	The value of tmnxCflowdGenRawFlowsMatched indicates the number of raw packets matched to an existing raw flow.
overflowEvents [Overflow Events] (tmnxCflowdGenOverflowEvents)	long	The value of tmnxCflowdGenOverflowEvents indicates the number of times the flow cache has entered the overflow state.
totalPktsDropped [Total Pkts Dropped] (tmnxCflowdTotalPktsDropped)	long	The value of tmnxCflowdTotalPktsDropped indicates the total number of packets dropped for Cflowd.
totalPktsRcvd [Total Pkts Rcvd] (tmnxCflowdTotalPktsRcvd)	long	The value of tmnxCflowdTotalPktsRcvd indicates the total number of packets received for Cflowd.
<p>CflowdPerfExpStats</p> <p>MIB entry name: tmnxBsxCflowdExpStatEntry</p> <p>Entry description: Each tmnxBsxCflowdExpStatEntry contains the statistics on the Cflowd export of Application Assurance per-flow volume, performance, or comprehensive records for an Application Assurance group and partition.</p> <p>Table description (for tmnxBsxCflowdExpStatTable): The tmnxBsxCflowdExpStatTable contains statistics on the Cflowd export of Application Assurance per-flow volume, performance, or comprehensive records within an Application Assurance group and partition.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.CflowdPerfExp</p>		

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discontinueTime [Discontinue Time] (tmnxBsxCflowdExpStatDiscontTime)	long	The value of tmnxBsxCflowdExpStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the export of cflowd records has last changed status.
expType [Exp Type] (tmnxBsxCflowdExpType)	int	The value of tmnxBsxCflowdExpType specifies the type of the Application Assurance statistic exported using Cflowd.
flowExported [Flow Exported] (tmnxBsxCflowdExpStatFlowsNoRes)	long	The value of tmnxBsxCflowdExpStatFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflowd resources.
hcFlowExported [Hc Flow Exported] (tmnxBsxCflowdExpStatHCFlowsNoRes)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflowd resources. This object is the 64-bit version of tmnxBsxCflowdExpStatFlowsNoRes.
hcRecDropped [Hc Rec Dropped] (tmnxBsxCflowdExpStatHCRecDropped)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCRecDropped indicates the total number of Cflowd flow records dropped. This object is the 64-bit version of tmnxBsxCflowdExpStatRecDropped.
hcRecReport [Hc Rec Report] (tmnxBsxCflowdExpStatHCRecReport)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCRecReport indicates the total number of flow records reported. This object is the 64-bit version of tmnxBsxCflowdExpStatRecReport.
recDropped [Rec Dropped] (tmnxBsxCflowdExpStatRecDropped)	long	The value of tmnxBsxCflowdExpStatRecDropped indicates the total number of flow records dropped.
recReport [Rec Report] (tmnxBsxCflowdExpStatRecReport)	long	The value of tmnxBsxCflowdExpStatRecReport indicates the total number of flow records reported.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type. Values: ipv4 (1) - IPv4 unicast/multicast sampling mpls (2) - MPLS ipv6 (3) - IPv6 unicast/multicast sampling I2 (4) - Layer 2
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV5Stats</p> <p>MIB entry name: tmnxCFHostCollV5StatsEntry</p> <p>Entry description: The tmnxCFHostCollV5StatsEntry contains the statistics information pertaining to the specified remote collector host.</p> <p>Table description (for tmnxCFHostCollV5StatsTable): The tmnxCFHostCollV5StatsTable consists of the version 5 statistics for a particular remote collector host. This table replaces tmnxCflowdV5StatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnxCFHostCollV5ErrorPackets)	long	The value of tmnxCFHostCollV5ErrorPackets indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnxCFHostCollV5OpenPackets)	long	The value of tmnxCFHostCollV5OpenPackets indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnxCFHostCollV5SentPackets)	long	The value of tmnxCFHostCollV5SentPackets indicates the number of packets transmitted for the specified remote collector host.
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnxCFHostCollAggrStatsEntry</p> <p>Entry description: The tmnxCFHostCollAggrStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnxCFHostCollAggrStatsTable): The tmnxCFHostCollAggrStatsTable consists of the overall statistics for a remote collector host based on aggregation type. This table replaces tmnxCflowdAggregationStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggPacketErrors [Agg Packet Errors] (tmnxCFHostCollAggrErrorPackets)	long	The value of tmnxCFHostCollAggrErrorPackets indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCFHostCollAggrOpenPackets)	long	The value of tmnxCFHostCollAggrOpenPackets indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCFHostCollAggrSentPackets)	long	The value of tmnxCFHostCollAggrSentPackets indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCFHostCollAggrIndex)	int	The value of tmnxCFHostCollAggrIndex specifies the row in the tmnxCFHostCollAggrStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCFHostCollAggrStatus)	int	The value of tmnxCFHostCollAggrStatus indicates whether or not the aggregation is in use in the remote collector host entry.
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.

Table 456 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type. Values: ipv4 (1) - IPv4 unicast/multicast sampling mpls (2) - MPLS ipv6 (3) - IPv6 unicast/multicast sampling l2 (4) - Layer 2
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 457 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AddressPoolMinFreeThresholdStats</p> <p>MIB entry name: tmnxDhcpsPITHStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPITHStats6Entry represents additional columns of threshold statistics for a pool that belongs to the specified DHCPv6 server instance.</p> <p>Table description (for tmnxDhcpsPITHStats6Table): The table tmnxDhcpsPITHStats6Table contains the threshold statistics for each pool belonging to the specified DHCPv6 instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.AddressPoolMinFreeThreshold</p>		
currFreeBlks [Curr Free Blks] (tmnxDhcpsPITHCurrFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPITHCurrFreeBlksLw indicates the lower 64-bits word of the number of used blocks in this pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen. The value of this object reflects the part of the address space in this pool that is actually in use by this server instance. If the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object is the sum of the corresponding local and remote objects. Otherwise the value of this object equals the value of corresponding local object only.
currFreeDepleted [Curr Free Depleted] (tmnxDhcpsPITHCurrFreeDepleted)	boolean	The value of the object tmnxDhcpsPITHCurrFreeDepleted equals '1' if there are no more prefixes with the minimum free threshold length available in the pool. Otherwise the value equals '2'.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currFreePct [Curr Free Pct] (tmnxDhcpsPIThCurrFreePct)	long	The value of the object tmnxDhcpsPIThCurrFreePct indicates the percentage of free prefixes with the minimum free threshold length in the pool compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currFreeTooLow [Curr Free Too Low] (tmnxDhcpsPIThCurrFreeTooLow)	boolean	The value of the object tmnxDhcpsPIThCurrFreeTooLow equals '1' if the number of free prefixes with the minimum free threshold length available in the pool is below the configured number of prefixes with the minimum free threshold length. Otherwise the value equals '2'.
currProvBlks [Curr Prov Blks] (tmnxDhcpsPIThCurrProvBlksLw)	java.math.BigInteger	The value of the object tmnxDhcpsPIThCurrProvBlksLw indicates the lower 64-bits word of the number of provisioned blocks in this pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen. The value of this object reflects the part of the address space in this pool that is actually in use by this server instance. If the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object is the sum of the corresponding local and remote objects. Otherwise the value of this object equals the value of corresponding local object only.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currUsedBlks [Curr Used Blks] (tmnxDhcpsPIThCurrUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThCurrUsedBlksLw indicates the lower 64-bits word of the number of used blocks in this pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen. The value of this object reflects the part of the address space in this pool that is actually in use by this server instance. If the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object is the sum of the corresponding local and remote objects. Otherwise the value of this object equals the value of corresponding local object only.
currUsedPct [Curr Used Pct] (tmnxDhcpsPIThCurrUsedPct)	long	The value of the object tmnxDhcpsPIThCurrUsedPct indicates the percentage of used prefixes with the minimum free threshold length in the pool compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakBlks [Curr Used Peak Blks] (tmnxDhcpsPIThCurrUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThCurrUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used blocks in the pool with a prefix length defined by the value of tmnxDhcpsPIMinFreePrefixLen.
currUsedPeakPct [Curr Used Peak Pct] (tmnxDhcpsPIThCurrUsedPeakPct)	long	The value of the object tmnxDhcpsPIThCurrUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the pool as a percentage of the provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakTime [Curr Used Peak Time] (tmnxDhcpsPIThCurrUsedPeakTime)	long	The value of the object tmnxDhcpsPIThCurrUsedPeakTime indicates the time at which the peak value of the number of used prefixes in the pool was reached.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lclFreeBlks [Lcl Free Blks] (tmnxDhcpsPIThLclFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length local in the pool.
lclProvBlks [Lcl Prov Blks] (tmnxDhcpsPIThLclProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length local in the pool.
lclUsedBlks [Lcl Used Blks] (tmnxDhcpsPIThLclUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length local in the pool.
lclUsedPeakBlks [Lcl Used Peak Blks] (tmnxDhcpsPIThLclUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThLclUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length local in the pool.
lclUsedPeakPct [Lcl Used Peak Pct] (tmnxDhcpsPIThLclUsedPeakPct)	long	The value of the object tmnxDhcpsPIThLclUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length local in the pool as a percentage of the provisioned prefixes.
lclUsedPeakTime [Lcl Used Peak Time] (tmnxDhcpsPIThLclUsedPeakTime)	long	The value of the object tmnxDhcpsPIThLclUsedPeakTime indicates the time at which the peak value of the number of used prefixes local in the pool was reached.
peakResetTime [Peak Reset Time] (tmnxDhcpsPIThPeakResetTime)	long	The value of the object tmnxDhcpsPIThPeakResetTime indicates the time at which the peak values have been reset.
remFreeBlks [Rem Free Blks] (tmnxDhcpsPIThRemFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThRemFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length remote in the pool.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remProvBlks [Rem Prov Blks] (tmnxDhcpsPIThRemProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThRemProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length remote in the pool.
remUsedBlks [Rem Used Blks] (tmnxDhcpsPIThRemUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThRemUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length remote in the pool.
remUsedPeakBlks [Rem Used Peak Blks] (tmnxDhcpsPIThRemUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPIThRemUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length remote in the pool.
remUsedPeakPct [Rem Used Peak Pct] (tmnxDhcpsPIThRemUsedPeakPct)	long	The value of the object tmnxDhcpsPIThRemUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length remote in the pool as a percentage of the provisioned prefixes.
remUsedPeakTime [Rem Used Peak Time] (tmnxDhcpsPIThRemUsedPeakTime)	long	The value of the object tmnxDhcpsPIThRemUsedPeakTime indicates the time at which the peak value of the number of used prefixes remote in the pool was reached.
validData [Valid Data] (tmnxDhcpsPIThValidData)	boolean	The value of the object tmnxDhcpsPIThValidData indicates the actual status of the threshold statistics data of the pool. '1' means that the data is up to date and may be used. '2' means that the data is being recalculated in the background and isn't stable for further use.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcp6ServerPoolStats</p> <p>MIB entry name: tmnxDhcpsPoolStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPoolStats6Table represents additional columns of operational data for a pool that belongs to the specified DHCPv6 server instance. The value of these columns is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.</p> <p>Table description (for tmnxDhcpsPoolStats6Table): The tmnxDhcpsPoolStats6Table has an entry for each pool that belongs to the specified DHCPv6 server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Address6Pool</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpsPoolStats6Advertise)	long	The value of tmnxDhcpsPoolStats6Advertise indicates the number of local leases in this pool that are in state 'advertised'.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpsPoolStats6HasExt)	boolean	The value of tmnxDhcpsPoolStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.
freeBlocks [Free Blocks] (tmnxDhcpsPoolStats6FreeBlk)	java.math.BigInteger	The value of tmnxDhcpsPoolStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpsPoolStats6AdvertP)	long	The value of tmnxDhcpsPoolStats6AdvertP indicates the highest value of tmnxDhcpsPoolStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPctP)	int	The value of tmnxDhcpsPoolStats6UsedPctP indicates the highest value of tmnxDhcpsPoolStats6UsedPct since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValRemoteAdvertisedLeases [Highest Val Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertP)	long	The value of tmnxDhcpsPoolStats6FoAdvertP indicates the highest value of tmnxDhcpsPoolStats6FoAdvertise since the last reset of the extended statistics.
highestValRemotePctBlocksInUse [Highest Val Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPctP)	int	The value of tmnxDhcpsPoolStats6FoUsedPctP indicates the highest value of tmnxDhcpsPoolStats6FoUsedPct since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpsPoolStats6FoStableP)	long	The value of tmnxDhcpsPoolStats6FoStableP indicates the highest value of tmnxDhcpsPoolStats6FoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpsPoolStats6StableP)	long	The value of tmnxDhcpsPoolStats6StableP indicates the highest value of tmnxDhcpsPoolStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpsPoolStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FreeBlk since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpsPoolStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6UsedBlk since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePctP)	int	The value of tmnxDhcpsPoolStats6FreePctP indicates the lowest value of tmnxDhcpsPoolStats6FreePct since the last reset of the extended statistics.
lowestValRemoteFreeBlocks [Lowest Val Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoFreeBlk since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemotePctBlocksUnused [Lowest Val Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePctP)	int	The value of tmnxDhcpsPoolStats6FoFreePctP indicates the lowest value of tmnxDhcpsPoolStats6FoFreePct since the last reset of the extended statistics.
lowestValRemoteUnusedBlocks [Lowest Val Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoUsedBlk since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPct)	int	The value of tmnxDhcpsPoolStats6UsedPct indicates the percentage of /64 blocks currently in use.
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePct)	int	The value of tmnxDhcpsPoolStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpsPoolStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6ProvBlk indicates the number of provisioned /64 blocks.
remoteAdvertisedLeases [Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertise)	long	The value of tmnxDhcpsPoolStats6FoAdvertise indicates the number of remote leases in this pool that are in state 'advertised'.
remoteFreeBlocks [Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlk indicates the remote number of provisioned but unused /64 blocks.
remotePctBlocksInUse [Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPct)	int	The value of tmnxDhcpsPoolStats6FoUsedPct indicates the percentage of remote /64 blocks currently in use.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remotePctBlocksUnused [Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePct)	int	The value of tmnxDhcpsPoolStats6FoFreePct indicates the percentage of remote /64 blocks currently unused.
remoteProvisionedBlocks [Remote Provisioned Blocks] (tmnxDhcpsPoolStats6FoProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoProvBlk indicates the remote number of provisioned /64 blocks.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpsPoolStats6FoStable)	long	The value of tmnxDhcpsPoolStats6FoStable indicates the number of remote leases in this pool that are in state 'stable'.
remoteUnusedBlocks [Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlk indicates the remote number of provisioned but unused /64 blocks.
slaacPrefixInternalRequests [Slaac Prefix Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxSlaa)	long	The value of tmnxDhcpsPoolStats6IntNoPfxSlaa indicates the number of times the following event occurred: an internal request for a SLAAC prefix (IA_PD (Identity Association for Prefix Delegation)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
stableLeases [Stable Leases] (tmnxDhcpsPoolStats6Stable)	long	The value of tmnxDhcpsPoolStats6Stable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpsPoolStats6ExtResetT)	long	The value of tmnxDhcpsPoolStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpsPoolStats6AdvertPT)	long	The value of tmnxDhcpsPoolStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6AdvertPT.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpsPoolStats6FreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FreeBlkP.
timeSinceLastRemoteAdvertisedLeases [Time Since Last Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertPT)	long	The value of tmnxDhcpsPoolStats6FoAdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoAdvertP.
timeSinceLastRemoteFreeBlocks [Time Since Last Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FoFreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoFreeBlkP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpsPoolStats6FoStablePT)	long	The value of tmnxDhcpsPoolStats6FoStablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoStableP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpsPoolStats6StablePT)	long	The value of tmnxDhcpsPoolStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6StableP.
unusedBlocks [Unused Blocks] (tmnxDhcpsPoolStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlk indicates the number of provisioned but unused /64 blocks.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wanAddressInternalRequests [Wan Address Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxWan)	long	The value of tmnxDhcpsPoolStats6IntNoPfxWan indicates the number of times the following event occurred: an internal request for a WAN address (IA_NA (Identity association for non-temporary addresses)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
<p>LocalDhcp6ServerPrefixStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStats6Table represents additional columns of operational data for a subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStats6Table): The tmnxDhcpSvrSubnetStats6Table has an entry for each subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Dhcp6AddressPrefix</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpSvrSubnetStats6Advertise)	long	The value of tmnxDhcpSvrSubnetStats6Advertise indicates the number of leases in this subnet that are in state 'advertised'.
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStats6Declined)	long	The value of tmnxDhcpSvrSubnetStats6Declined indicates the number of addresses in this subnet that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrSubnetStats6HasExt)	boolean	The value of tmnxDhcpSvrSubnetStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
freeBlocks [Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertP)	long	The value of tmnxDhcpSvrSubnetStats6AdvertP indicates the highest value of tmnxDhcpSvrSubnetStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctP)	int	The value of tmnxDhcpSvrSubnetStats6UsedPctP indicates the highest value of tmnxDhcpSvrSubnetStats6UsedPct since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStats6StableP)	long	The value of tmnxDhcpSvrSubnetStats6StableP indicates the highest value of tmnxDhcpSvrSubnetStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctP)	int	The value of tmnxDhcpSvrSubnetStats6FreePctP indicates the lowest value of tmnxDhcpSvrSubnetStats6FreePct since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPct)	int	The value of tmnxDhcpSvrSubnetStats6UsedPct indicates the percentage of /64 blocks currently in use.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePct)	int	The value of tmnxDhcpSvrSubnetStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpSvrSubnetStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6ProvBlk indicates the number of provisioned /64 blocks.
reconfigurePendingLeases [Reconfigure Pending Leases] (tmnxDhcpSvrSubnetStats6RCPending)	long	The value of tmnxDhcpSvrSubnetStats6RCPending indicates the number of leases in this subnet that are in state 'reconfigurePending'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStats6RmPending)	long	The value of tmnxDhcpSvrSubnetStats6RmPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStats6Stable)	long	The value of tmnxDhcpSvrSubnetStats6Stable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStats6ExtResetT)	long	The value of tmnxDhcpSvrSubnetStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertPT)	long	The value of tmnxDhcpSvrSubnetStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6AdvertP.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreeBlkP.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctBlocksInUse [Time Since Last Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedPctP.
timeSinceLastPctBlocksUnused [Time Since Last Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctPT)	long	The value of tmnxDhcpSvrSubnetStats6FreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreePctP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStats6StablePT)	long	The value of tmnxDhcpSvrSubnetStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6StableP.
timeSinceLastUnusedBlocks [Time Since Last Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedBlkP.
unusedBlocks [Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlk indicates the number of provisioned but unused /64 blocks.
<p>LocalDhcp6ServerStats</p> <p>MIB entry name: tmnxDhcpServerStats6Entry</p> <p>Entry description: Each row entry contains basic statistics about a particular DHCP server instance.</p> <p>Table description (for tmnxDhcpServerStats6Table): The tmnxDhcpServerStats6Table contains basic statistics about the DHCPv6 server instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcp6Server</p>		
clientIgnoredOffers [Client Ignored Offers] (tmnxDhcpSvrStats6OffersIgnore)	long	The value of tmnxDhcpSvrStats6OffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dhcpSvrStats6DropAudit [Dhcp Svr Stats 6 Drop Audit] (tmnxDhcpSvrStats6DropAudit)	java. math. BigInteger	The value of tmnxDhcpSvrStats6DropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.
dhcpSvrStats6DropLqNotAllowed [Dhcp Svr Stats 6 Drop Lq Not Allow] (tmnxDhcpSvrStats6DropLqNotAllowed)	long	The value of tmnxDhcpSvrStats6DropLqNotAllowed indicates the number of DHCP leasequery packets dropped by the server instance because the server is configured not to allow leasequery packets.
dhcpSvrStats6RxLeaseQueries [Dhcp Svr Stats 6 Rx Lease Queries] (tmnxDhcpSvrStats6RxLeasequeries)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxLeasequeries indicates the number of leasequery messages received by the DHCP server instance.
dhcpSvrStats6TxLqReplies [Dhcp Svr Stats 6 Tx Lq Replies] (tmnxDhcpSvrStats6TxLqReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxLqReplies indicates the number of leasequery-reply messages sent by the DHCP server instance.
droppedBadPacket [Dropped Bad Packet] (tmnxDhcpSvrStats6DropBadPackets)	long	The value of tmnxDhcpSvrStats6DropBadPackets indicates the number of DHCP packets received which were corrupt.
droppedDestinedToOther [Dropped Destined To Other] (tmnxDhcpSvrStats6DropDestOther)	long	The value of tmnxDhcpSvrStats6DropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
droppedGenericError [Dropped Generic Error] (tmnxDhcpSvrStats6DropGenError)	long	The value of tmnxDhcpSvrStats6DropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
droppedInternalConflicts [Dropped Internal Conflicts] (tmnxDhcpSvrStats6DropIntWConflict)	long	The value of tmnxDhcpSvrStats6DropIntWConflict indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInternalFailover [Dropped Internal Failover] (tmnxDhcpSvrStats6DropIntWfo)	long	The value of tmnxDhcpSvrStats6DropIntWfo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
droppedInternalIntIdMap [Dropped Internal Int Id Map] (tmnxDhcpSvrStats6DropIntWifldMap)	long	The value of tmnxDhcpSvrStats6DropIntWifldMap indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because interface ID mapping is enabled for the server instance.
droppedInternalUserIdent [Dropped Internal User Ident] (tmnxDhcpSvrStats6DropIntWuserId)	long	The value of tmnxDhcpSvrStats6DropIntWuserId indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because tmnxDhcpServerCfgUserIdent is not set to duid (2) for the server instance.
droppedInvalidType [Dropped Invalid Type] (tmnxDhcpSvrStats6DropInvldTypes)	long	The value of tmnxDhcpSvrStats6DropInvldTypes indicates the number of DHCP packets received which had an invalid message type.
droppedLeaseNotReady [Dropped Lease Not Ready] (tmnxDhcpSvrStats6DropLseNotReady)	long	The value of tmnxDhcpSvrStats6DropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
droppedMaxLeasesReached [Dropped Max Leases Reached] (tmnxDhcpSvrStats6DropMaxReached)	long	The value of tmnxDhcpSvrStats6DropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
droppedNotServingPool [Dropped Not Serving Pool] (tmnxDhcpSvrStats6DropNoSrvngPool)	long	The value of tmnxDhcpSvrStats6DropNoSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOverload [Dropped Overload] (tmnxDhcpSvrStats6DropOverload)	long	The value of tmnxDhcpSvrStats6DropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
droppedPersistenceOverload [Dropped Persistence Overload] (tmnxDhcpSvrStats6DropPerOverload)	long	The value of tmnxDhcpSvrStats6DropPerOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
droppedServerShutdown [Dropped Server Shutdown] (tmnxDhcpSvrStats6DropSvrDown)	long	The value of tmnxDhcpSvrStats6DropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
duplicateRequestDropped [Duplicate Request Dropped] (tmnxDhcpSvrStats6DropDuplDiffRly)	long	The value of tmnxDhcpSvrStats6DropDuplDiffRly indicates the number of DHCP requests dropped by the server instance because they were received from a different Relay IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
leasesTimedOut [Leases Timed Out] (tmnxDhcpSvrStats6LeasesExpired)	long	The value of tmnxDhcpSvrStats6LeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
receivedConfirmPackets [Received Confirm Packets] (tmnxDhcpSvrStats6RxConfirms)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxConfirms indicates the number of confirm messages received by the DHCP server instance.
receivedDeclinePackets [Received Decline Packets] (tmnxDhcpSvrStats6RxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxDeclines indicates the number of decline messages received by the DHCP server instance.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedInformationRequestPackets [Received Information Request Packets] (tmnxDhcpSvrStats6RxInfRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxInfRequests indicates the number of information-request messages received by the DHCP server instance.
receivedIntIpoeWanRequests [Received Int Ipoe Wan Requests] (tmnxDhcpSvrStats6RxIntReqIpoeWan)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReqIpoeWan indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE.
receivedIntPppSlaacRequests [Received Int Ppp Slaac Requests] (tmnxDhcpSvrStats6RxIntPppSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntPppSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for PPP SLAAC (stateless autoconfiguration).
receivedInternalReleases [Received Internal Releases] (tmnxDhcpSvrStats6RxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.
receivedIpoeSlaacRequests [Received Ipoe Slaac Requests] (tmnxDhcpSvrStats6RxIntIpoeSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntIpoeSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE SLAAC (stateless autoconfiguration).
receivedRebindPackets [Received Rebind Packets] (tmnxDhcpSvrStats6RxRebinds)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRebinds indicates the number of rebind messages received by the DHCP server instance.
receivedReleasePackets [Received Release Packets] (tmnxDhcpSvrStats6RxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxReleases indicates the number of release messages received by the DHCP server instance.
receivedRenewPackets [Received Renew Packets] (tmnxDhcpSvrStats6RxRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRenews indicates the number of renew messages received by the DHCP server instance.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedRequestPackets [Received Request Packets] (tmnxDhcpSvrStats6RxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRequests indicates the number of request messages received by the DHCP server instance.
receivedSolicitPackets [Received Solicit Packets] (tmnxDhcpSvrStats6RxSolicits)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxSolicits indicates the number of solicit messages received by the DHCP server instance.
sentAdvertisePackets [Sent Advertise Packets] (tmnxDhcpSvrStats6TxAdvertises)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of advertise messages sent by the DHCP server instance.
sentReconfigurePackets [Sent Reconfigure Packets] (tmnxDhcpSvrStats6TxReconfigures)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReconfigures indicates the number of reconfigure messages sent by the DHCP server instance.
sentReplyPackets [Sent Reply Packets] (tmnxDhcpSvrStats6TxReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReplies indicates the number of reply messages sent by the DHCP server instance.
<p>LocalDhcpPoolFailoverStats</p> <p>MIB entry name: tmnxDhcpsPoolFoStatsEntry</p> <p>Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Address Pool instance. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxDhcpsPoolFoStatsTable): The tmnxDhcpsPoolFoStatsTable contains statistics about the DHCP Address Pool failover facility.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcpPoolFailover</p>		

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsPoolFoStatsAddrConflict)	long	The value of tmnxDhcpsPoolFoStatsAddrConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsPoolFoStatsDropInvPkts)	long	The value of tmnxDhcpsPoolFoStatsDropInvPkts indicates how many BNDUPD packets were dropped because the packet was malformed.
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsPoolFoStatsHostConflict)	long	The value of tmnxDhcpsPoolFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsPoolFoStatsExpired)	long	The value of tmnxDhcpsPoolFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsPoolFoStatsLeaseNotFound)	long	The value of tmnxDhcpsPoolFoStatsLeaseNotFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsPoolFoStatsMaxReached)	long	The value of tmnxDhcpsPoolFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsPoolFoStatsPeerConflict)	long	The value of tmnxDhcpsPoolFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP Address Pool instance.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsPoolFoStatsPersistCong)	long	The value of tmnxDhcpsPoolFoStatsPersistCong indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP Address Pool instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsPoolFoStatsRangeNFound)	long	The value of tmnxDhcpsPoolFoStatsRangeNFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.
shutdownPkts [Shutdown Pkts] (tmnxDhcpsPoolFoStatsFoShutdown)	long	The value of tmnxDhcpsPoolFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsPoolFoStatsSubnetNFound)	long	The value of tmnxDhcpsPoolFoStatsSubnetNFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.
<p>LocalDhcpServerFailoverStats MIB entry name: tmnxDhcpsFoStatsEntry Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Server instance. Rows are created or removed automatically by the system. Table description (for tmnxDhcpsFoStatsTable): The tmnxDhcpsFoStatsTable contains statistics about the DHCP failover facility. The tmnxDhcpsFoStatsTable has an entry for each DHCP server instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServerFailover</p>		
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsFoStatsAddressConflict)	long	The value of tmnxDhcpsFoStatsAddressConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsFoStatsDropInvalidPkts)	long	The value of tmnxDhcpsFoStatsDropInvalidPkts indicates how many BNDUPD packets were dropped because the packet was malformed.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsFoStatsHostConflict)	long	The value of tmnxDhcpsFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsFoStatsExpired)	long	The value of tmnxDhcpsFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsFoStatsLeaseNotFound)	long	The value of tmnxDhcpsFoStatsLeaseNotFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsFoStatsMaxReached)	long	The value of tmnxDhcpsFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsFoStatsPeerConflict)	long	The value of tmnxDhcpsFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance.
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsFoStatsPersistCongest)	long	The value of tmnxDhcpsFoStatsPersistCongest indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP server instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsFoStatsRangeNotFound)	long	The value of tmnxDhcpsFoStatsRangeNotFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
shutdownPkts [Shutdown Pkts] (tmnxDhcpsFoStatsFoShutdown)	long	The value of tmnxDhcpsFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsFoStatsSubnetNotFound)	long	The value of tmnxDhcpsFoStatsSubnetNotFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.
<p>LocalDhcpServerPoolStats MIB entry name: tmnxDhcpSvrPoolStatsEntry Entry description: Each row entry in the tmnxDhcpSvrPoolStatsTable represents additional columns of operational data for a pool that belongs to the specified DHCP server instance. Table description (for tmnxDhcpSvrPoolStatsTable): The tmnxDhcpSvrPoolStatsTable has an entry for each pool that belongs to the specified DHCP server instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.AddressPool</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrPoolStatsDeclined)	long	The value of tmnxDhcpSvrPoolStatsDeclined indicates the number of addresses in this pool that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrPoolStatsHasExt)	boolean	The value of tmnxDhcpSvrPoolStatsHasExt indicates whether the extended statistics collection for this pool is enabled.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFRPending)	long	The value of tmnxDhcpSvrPoolStatsFRPending indicates the number of leases in this pool that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrPoolStatsFree)	long	The value of tmnxDhcpSvrPoolStatsFree indicates the number of addresses in this pool that are free.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrPoolStatsOfferP)	long	The value of tmnxDhcpSvrPoolStatsOfferP indicates the highest value of tmnxDhcpSvrPoolStatsOffered since the last reset of the extended statistics.
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctP)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrPoolStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctP)	int	The value of tmnxDhcpSvrPoolStatsUsedPctP indicates the highest value of tmnxDhcpSvrPoolStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferP)	long	The value of tmnxDhcpSvrPoolStatsFoOfferP indicates the highest value of tmnxDhcpSvrPoolStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStableP)	long	The value of tmnxDhcpSvrPoolStatsFoStableP indicates the highest value of tmnxDhcpSvrPoolStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrPoolStatsStableP)	long	The value of tmnxDhcpSvrPoolStatsStableP indicates the highest value of tmnxDhcpSvrPoolStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrPoolStatsProv)	long	The value of tmnxDhcpSvrPoolStatsProv indicates the total number of local addresses in this pool that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctP)	int	The value of tmnxDhcpSvrPoolStatsFreePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctP)	int	The value of tmnxDhcpSvrPoolStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFoFrePct since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedP)	long	The value of tmnxDhcpSvrPoolStatsFoUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrPoolStatsUsedP)	long	The value of tmnxDhcpSvrPoolStatsUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrPoolStatsOffered)	long	The value of tmnxDhcpSvrPoolStatsOffered indicates the number of leases in this pool that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePct)	int	The value of tmnxDhcpSvrPoolStatsFreePct indicates the percentage of subnets currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePct)	int	The value of tmnxDhcpSvrPoolStatsFoFrePct indicates the percentage of remote subnets currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPct)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPct indicates the percentage of remote subnets currently in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPct)	int	The value of tmnxDhcpSvrPoolStatsUsedPct indicates the percentage of subnets currently in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrPoolStatsFreeP)	long	The value of tmnxDhcpSvrPoolStatsFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreeP)	long	The value of tmnxDhcpSvrPoolStatsFoFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrPoolStatsFoDeclined)	long	The value of tmnxDhcpSvrPoolStatsFoDeclined indicates the number of remote addresses in this pool that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFoFRPend)	long	The value of tmnxDhcpSvrPoolStatsFoFRPend indicates the number of remote leases in this pool that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFree)	long	The value of tmnxDhcpSvrPoolStatsFoFree indicates the number of remote addresses in this pool that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOffered)	long	The value of tmnxDhcpSvrPoolStatsFoOffered indicates the number of remote leases in this pool that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrPoolStatsFoProv)	long	The value of tmnxDhcpSvrPoolStatsFoProv indicates the total number of remote addresses in this pool that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrPoolStatsFoRemPend)	long	The value of tmnxDhcpSvrPoolStatsFoRemPend indicates the number of remote leases in this pool that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStable)	long	The value of tmnxDhcpSvrPoolStatsFoStable indicates the number of remote leases in this pool that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrPoolStatsRemPending)	long	The value of tmnxDhcpSvrPoolStatsRemPending indicates the number of leases in this pool that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrPoolStatsStable)	long	The value of tmnxDhcpSvrPoolStatsStable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrPoolStatsExtResetT)	long	The value of tmnxDhcpSvrPoolStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrPoolStatsFreePT)	long	The value of tmnxDhcpSvrPoolStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrPoolStatsOfferPT)	long	The value of tmnxDhcpSvrPoolStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctPT)	long	The value of tmnxDhcpSvrPoolStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctPT)	long	The value of tmnxDhcpSvrPoolStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFrePctP.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreePT)	long	The value of tmnxDhcpSvrPoolStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferPT)	long	The value of tmnxDhcpSvrPoolStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStablePT)	long	The value of tmnxDhcpSvrPoolStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsedP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrPoolStatsUsedPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedP.
timeSinceStableLeases [Time Since Stable Leases] (tmnxDhcpSvrPoolStatsStablePT)	long	The value of tmnxDhcpSvrPoolStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsStableP.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrPoolStatsUsed)	long	The value of tmnxDhcpSvrPoolStatsUsed indicates the number of provisioned and used subnets.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrPoolStatsFoUsed)	long	The value of tmnxDhcpSvrPoolStatsFoUsed indicates the number of provisioned and used remote subnets.
<p>LocalDhcpServerStats MIB entry name: tmnxDhcpServerStatsEntry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServer</p>		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
dropAudit [Drop Audit] (tmnxDhcpSvrStatsDropAudit)	long	The value of tmnxDhcpSvrStatsDropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropIntConflicts [Drop Int Conflicts] (tmnxDhcpSvrStatsDropIntConflicts)	long	The value of tmnxDhcpSvrStatsDropIntConflicts indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.
dropMaxReached [Drop Max Reached] (tmnxDhcpSvrStatsDropMaxReached)	long	The value of tmnxDhcpSvrStatsDropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
dropNoSubnet [Drop No Subnet] (tmnxDhcpSvrStatsDropNoSubnet)	long	The value of tmnxDhcpSvrStatsDropNoSubnet indicates the number of DHCP packets dropped by the server instance for user-db hosts with a fixed address because the subnet to which the address belongs is not configured.
dropSvrDown [Drop Svr Down] (tmnxDhcpSvrStatsDropSvrDown)	long	The value of tmnxDhcpSvrStatsDropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
dropTxFailed [Drop Tx Failed] (tmnxDhcpSvrStatsDropTxFailed)	long	The value of tmnxDhcpSvrStatsDropTxFailed indicates the number of DHCP responses dropped because this server instance could not transmit it.
droppedDhcpReqDiffGatewayIP [Dropped Dhcp Req Diff Gateway IP] (tmnxDhcpSvrStatsDropDuplDiffGi)	long	The value of tmnxDhcpSvrStatsDropDuplDiffGi indicates the number of DHCP requests dropped by the server instance because they were received from a different Gateway IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalCallsFailoverDropped [Internal Calls Failover Dropped] (tmnxDhcpSvrStatsDropIntWithFo)	long	The value of tmnxDhcpSvrStatsDropIntWithFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
internalCallsLocalUserDbDropped [Internal Calls Local User Db Dropped] (tmnxDhcpSvrStatsDropIntWithLudb)	long	The value of tmnxDhcpSvrStatsDropIntWithLudb indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because a local user database is attached to the server instance.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCPOFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpInternalReleases [Received Dhcp Internal Releases] (tmnxDhcpSvrStatsRxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDhcpInternalRequests [Received Dhcp Internal Requests] (tmnxDhcpSvrStatsRxIntRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntRequests indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUse-GiAddress was disabled.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllow)	long	The value of tmnxDhcpSvrStatsDropUserNotAllow indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrSubnetStatsOfferP)	long	The value of tmnxDhcpSvrSubnetStatsOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsOffered since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctP)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrSubnetStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctP)	int	The value of tmnxDhcpSvrSubnetStatsUsedPctP indicates the highest value of tmnxDhcpSvrSubnetStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferP)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStableP)	long	The value of tmnxDhcpSvrSubnetStatsFoStableP indicates the highest value of tmnxDhcpSvrSubnetStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStatsStableP)	long	The value of tmnxDhcpSvrSubnetStatsStableP indicates the highest value of tmnxDhcpSvrSubnetStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrSubnetStatsProv)	long	The value of tmnxDhcpSvrSubnetStatsProv indicates the total number of local addresses in this subnet that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctP)	int	The value of tmnxDhcpSvrSubnetStatsFreePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctP)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedP)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoUsed since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrSubnetStatsUsedP)	long	The value of tmnxDhcpSvrSubnetStatsUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsUsed since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePct)	int	The value of tmnxDhcpSvrSubnetStatsFreePct indicates the percentage of addresses in this subnet currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePct)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePct indicates the percentage of remote addresses in this subnet that are currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPct)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPct indicates the percentage of remote addresses in this subnet that are in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPct)	int	The value of tmnxDhcpSvrSubnetStatsUsedPct indicates the percentage of addresses in this subnet in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrSubnetStatsFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFreeP indicates the peak number of addresses in this subnet that are free since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFoFreeP indicates the peak number of remote addresses in this subnet that are free since the last reset of the extended statistics.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrSubnetStatsFoDeclined)	long	The value of tmnxDhcpSvrSubnetStatsFoDeclined indicates the number of remote addresses in this subnet that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFoFRPend)	long	The value of tmnxDhcpSvrSubnetStatsFoFRPend indicates the number of remote leases in this subnet that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFree)	long	The value of tmnxDhcpSvrSubnetStatsFoFree indicates the number of remote addresses in this subnet that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOffered)	long	The value of tmnxDhcpSvrSubnetStatsFoOffered indicates the number of remote leases in this subnet that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrSubnetStatsFoProv)	long	The value of tmnxDhcpSvrSubnetStatsFoProv indicates the total number of remote addresses in this subnet that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrSubnetStatsFoRemPend)	long	The value of tmnxDhcpSvrSubnetStatsFoRemPend indicates the number of remote leases in this subnet that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStable)	long	The value of tmnxDhcpSvrSubnetStatsFoStable indicates the number of remote leases in this subnet that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStatsExtResetT)	long	The value of tmnxDhcpSvrSubnetStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrSubnetStatsFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrSubnetStatsOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFrePctP.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStablePT)	long	The value of tmnxDhcpSvrSubnetStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsedP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStatsStablePT)	long	The value of tmnxDhcpSvrSubnetStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsStableP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrSubnetStatsUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedP.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrSubnetStatsUsed)	long	The value of tmnxDhcpSvrSubnetStatsUsed indicates the number of leases in this subnet that are in use.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrSubnetStatsFoUsed)	long	The value of tmnxDhcpSvrSubnetStatsFoUsed indicates the number of remote leases in this subnet that are in use.
<p>PrefixMinFreeThresholdStats MIB entry name: tmnxDhcpsPfxThStats6Entry Entry description: Each row entry in the tmnxDhcpsPfxThStats6Entry represents additional columns of threshold statistics for a prefix that belongs to the specified DHCPv6 server instance Table description (for tmnxDhcpsPfxThStats6Table): The table tmnxDhcpsPfxThStats6Table contains the threshold statistics for each prefix belonging to the specified DHCPv6 instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.PrefixMinFreeThreshold</p>		

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currFreeBlks [Curr Free Blks] (tmnxDhcpsPfxThCurrFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrFreeBlksLw indicates the lower 64-bits word of the number of free blocks in this configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen. The value of this object reflects the part of the address space in this prefix that is actually in use by this server instance. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'local (1)' or 'access-driven (3)', the value of this object reflects the value of the object tmnxDhcpsPfxThLclFreeBlksLw. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'remote (2)' and the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object reflects the value of the object tmnxDhcpsPfxThRemFreeBlksLw. Otherwise the value of this object is 0.
currFreeDepleted [Curr Free Depleted] (tmnxDhcpsPfxThCurrFreeDepleted)	boolean	The value of the object tmnxDhcpsPfxThCurrFreeDepleted equals '1' if there are no more prefixes with the minimum free threshold length available in the considered prefix. Otherwise the value equals '2'.
currFreePct [Curr Free Pct] (tmnxDhcpsPfxThCurrFreePct)	long	The value of the object tmnxDhcpsPfxThCurrFreePct indicates the percentage of free prefixes with the minimum free threshold length compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currFreeTooLow [Curr Free Too Low] (tmnxDhcpsPfxThCurrFreeTooLow)	boolean	The value of the object tmnxDhcpsPfxThCurrFreeTooLow equals '1' if the number of free prefixes with the minimum free threshold length available in the considered prefix is below the configured number of prefixes with the minimum free threshold length. Otherwise the value equals '2'.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currProvBlks [Curr Prov Blks] (tmnxDhcpsPfxThCurrProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrProvBlksLw indicates the lower 64-bits word of the number of provisioned blocks in this configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen. The value of this object reflects the part of the address space in this prefix that is actually in use by this server instance. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'local (1)' or 'access-driven (3)', the value of this object reflects the value of the object tmnxDhcpsPfxThLclProvBlksLw. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'remote (2)' and the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object reflects the value of the object tmnxDhcpsPfxThRemProvBlksLw. Otherwise the value of this object is 0.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currUsedBlks [Curr Used Blks] (tmnxDhcpsPfxThCurrUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrUsedBlksLw indicates the lower 64-bits word of the number of used blocks in this configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen. The value of this object reflects the part of the address space in this prefix that is actually in use by this server instance. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'local (1)' or 'access-driven (3)', the value of this object reflects the value of the object tmnxDhcpsPfxThLclUsedBlksLw. If the value of the object tmnxDhcpSvrSubnetFailCtrl of this prefix equals 'remote (2)' and the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)', or the value of the object tmnxDhcpsPoolFoAdminState of this pool is equal to 'inService (2)' and the value of the object tmnxDhcpsPoolFoState of this pool is equal to 'partnerDown (5)', the value of this object reflects the value of the object tmnxDhcpsPfxThRemUsedBlksLw. Otherwise the value of this object is 0.
currUsedPct [Curr Used Pct] (tmnxDhcpsPfxThCurrUsedPct)	long	The value of the object tmnxDhcpsPfxThCurrUsedPct indicates the percentage of used prefixes with the minimum free threshold length compared to the number of provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakBlks [Curr Used Peak Blks] (tmnxDhcpsPfxThCurrUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThCurrUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used blocks in the configured prefix with a prefix length defined by the value of tmnxDhcpsPfxMinFreePrefixLen.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currUsedPeakPct [Curr Used Peak Pct] (tmnxDhcpsPfxThCurrUsedPeakPct)	long	The value of the object tmnxDhcpsPfxThCurrUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the configured prefix as a percentage of the provisioned prefixes. This depends on the current failover state of the DHCP server or pool.
currUsedPeakTime [Curr Used Peak Time] (tmnxDhcpsPfxThCurrUsedPeakTime)	long	The value of the object tmnxDhcpsPfxThCurrUsedPeakTime indicates the time at which the peak value of the number of used prefixes was reached for the configured prefix.
lclFreeBlks [Lcl Free Blks] (tmnxDhcpsPfxThLclFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length if the configured prefix is local, otherwise the value is 0.
lclProvBlks [Lcl Prov Blks] (tmnxDhcpsPfxThLclProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length if the configured prefix is local, otherwise the value is 0.
lclUsedBlks [Lcl Used Blks] (tmnxDhcpsPfxThLclUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length if the configured prefix is local, otherwise the value is 0.
lclUsedPeakBlks [Lcl Used Peak Blks] (tmnxDhcpsPfxThLclUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThLclUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length for the local configured prefix.
lclUsedPeakPct [Lcl Used Peak Pct] (tmnxDhcpsPfxThLclUsedPeakPct)	long	The value of the object tmnxDhcpsPfxThLclUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the local configured prefix as a percentage of the provisioned prefixes.
lclUsedPeakTime [Lcl Used Peak Time] (tmnxDhcpsPfxThLclUsedPeakTime)	long	The value of the object tmnxDhcpsPfxThLclUsedPeakTime indicates the time at which the peak value of the number of used prefixes was reached for the local configured prefix.

Table 457 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peakResetTime [Peak Reset Time] (tmnxDhcpsPfxThPeakResetTime)	long	The value of the object tmnxDhcpsPfxThPeakResetTime indicates the time at which the peak values have been reset.
remFreeBlks [Rem Free Blks] (tmnxDhcpsPfxThRemFreeBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemFreeBlksLw indicates the lower 64-bits word of the number of free prefixes with the minimum free threshold length if the configured prefix is remote, otherwise the value is 0.
remProvBlks [Rem Prov Blks] (tmnxDhcpsPfxThRemProvBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemProvBlksLw indicates the lower 64-bits word of the number of provisioned prefixes with the minimum free threshold length if the configured prefix is remote, otherwise the value is 0.
remUsedBlks [Rem Used Blks] (tmnxDhcpsPfxThRemUsedBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemUsedBlksLw indicates the lower 64-bits word of the number of used prefixes with the minimum free threshold length if the configured prefix is remote, otherwise the value is 0.
remUsedPeakBlks [Rem Used Peak Blks] (tmnxDhcpsPfxThRemUsedPeakBlksLw)	java. math. BigInteger	The value of the object tmnxDhcpsPfxThRemUsedPeakBlksLw indicates the lower 64-bits word of the peak value of the number of used prefixes with the minimum free threshold length for the remote configured prefix.
remUsedPeakPct [Rem Used Peak Pct] (tmnxDhcpsPfxThRemUsedPeakPct)	long	The value of the object tmnxDhcpsPfxThRemUsedPeakPct indicates the peak value of the number of used prefixes with the minimum free threshold length in the remote configured prefix as a percentage of the provisioned prefixes.
remUsedPeakTime [Rem Used Peak Time] (tmnxDhcpsPfxThRemUsedPeakTime)	long	The value of the object tmnxDhcpsPfxThRemUsedPeakTime indicates the time at which the peak value of the number of used prefixes was reached for the remote configured prefix.
validData [Valid Data] (tmnxDhcpsPfxThValidData)	boolean	The value of the object tmnxDhcpsPfxThValidData indicates the actual status of the threshold statistics data of the prefix. '1' means that the data is up to date and may be used. '2' means that the data is being recalculated in the background and isn't stable for further use.

Table 458 diameter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DiameterPeerClientPeerPsmStateStats</p> <p>MIB entry name: tmnxDiamPpPrxClientEntry</p> <p>Entry description: Each conceptual row represents information about a client-side peer of a Diameter proxy instance. Rows in this table are created and removed automatically by the system</p> <p>Table description (for tmnxDiamPpPrxClientTable): The tmnxDiamPpPrxClientTable contains information about the client-side peers of the Diameter proxy instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: diameter.DiameterPeerPolicy</p>		
clientAddress [Client Address] (tmnxDiamPpPrxClientIpAddr)	String	The value of tmnxDiamPpPrxClientIpAddr indicates the source IP address present in Diameter messages received from the peer.
clientAddressType [Client Address Type] (tmnxDiamPpPrxClientIpAddrType)	int	The value of tmnxDiamPpPrxClientIpAddrType indicates the address type of tmnxDiamPpPrxClientIpAddr.
clientPort [Client Port] (tmnxDiamPpPrxClientPort)	long	The value of tmnxDiamPpPrxClientPort indicates the TCP source port present in Diameter messages received from the peer.
pendingTransactions [Pending Transactions] (tmnxDiamPpPrxClientTransactions)	long	The value of tmnxDiamPpPrxClientTransactions indicates the number of pending transactions.
psmState [Psm State] (tmnxDiamPpPrxClientPsmState)	int	The value of tmnxDiamPpPrxClientPsmState indicates the state of the peer's state machine.

Table 458 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DiameterPeerStatistics</p> <p>MIB entry name: tmnxDiamPeerStatsEntry</p> <p>Entry description: Each conceptual row represents statistics information about a Diameter policy peer, or a client-side peer of a Diameter proxy instance. Rows in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxDiamPeerStatsTable): The tmnxDiamPeerStatsTable contains statistics information about the peers defined in a Diameter Policy, and about the client-side peers of the Diameter Proxy instances.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: diameter.DiameterPeer</p>		
peerAddress [Peer Address] (tmnxDiamPeerStatsPeerIpAddr)	String	The value of tmnxDiamPeerStatsPeerIpAddr indicates the source IP address present in DIAMETER messages received from a client-side peer of a DIAMETER proxy instance.
peerAddressType [Peer Address Type] (tmnxDiamPeerStatsPeerIpAddrType)	int	The value of tmnxDiamPeerStatsPeerIpAddrType indicates the address type of tmnxDiamPeerStatsPeerIpAddr.
peerFailedMessages [Peer Failed Messages] (tmnxDiamPeerStatsFailedMessages)	long	The value of tmnxDiamPeerStatsFailedMessages indicates the number of failed messages.
peerName [Peer Name] (tmnxDiamPeerStatsPeerName)	String	The value of tmnxDiamPeerStatsPeerName indicates the name of the peer within a DIAMETER policy, configured in object tmnxDiamPlcyPeerName.
peerPort [Peer Port] (tmnxDiamPeerStatsPeerPort)	long	The value of tmnxDiamPeerStatsPeerPort indicates the TCP source port present in DIAMETER messages received from a client-side peer of a DIAMETER proxy instance.
peerStatsBaseCe [Peer Stats Base Ce] (tmnxDiamPeerStatsBaseCe)	long	The value of tmnxDiamPeerStatsBaseCe indicates the number of Capabilities-Exchange messages.

Table 458 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerStatsBaseDp [Peer Stats Base Dp] (tmnxDiamPeerStatsBaseDp)	long	The value of tmnxDiamPeerStatsBaseDp indicates the number of Disconnect-Peer messages.
peerStatsBaseDw [Peer Stats Base Dw] (tmnxDiamPeerStatsBaseDw)	long	The value of tmnxDiamPeerStatsBaseDw indicates the number of Device-Watchdog messages.
peerStatsDirection [Peer Stats Direction] (tmnxDiamPeerStatsDirection)	int	The value of tmnxDiamPeerStatsDirection indicates which direction packets are travelling in the system : rx - Packets are being received by the system. tx - Packets are being transmitted from the system.
peerStatsGxAs [Peer Stats Gx As] (tmnxDiamPeerStatsGxAs)	long	The value of tmnxDiamPeerStatsGxAs indicates the number of DIAMETER Gx Abort-Session messages.
peerStatsGxCcI [Peer Stats Gx Cc I] (tmnxDiamPeerStatsGxCcI)	long	The value of tmnxDiamPeerStatsGxCcI indicates the number of DIAMETER Gx Credit Control messages with CC-Request-Type AVP equal to INITIAL_REQUEST.
peerStatsGxCcT [Peer Stats Gx Cc T] (tmnxDiamPeerStatsGxCcT)	long	The value of tmnxDiamPeerStatsGxCcT indicates the number of DIAMETER Gx Credit Control messages with CC-Request-Type AVP equal to TERMINATION_REQUEST.
peerStatsGxCcU [Peer Stats Gx Cc U] (tmnxDiamPeerStatsGxCcU)	long	The value of tmnxDiamPeerStatsGxCcU indicates the number of DIAMETER Gx Credit Control messages with CC-Request-Type AVP equal to UPDATE_REQUEST.
peerStatsGxRa [Peer Stats Gx Ra] (tmnxDiamPeerStatsGxRa)	long	The value of tmnxDiamPeerStatsGxRa indicates the number of DIAMETER Gx Re-Auth messages.

Table 458 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerStatsGyAs [Peer Stats Gy As] (tmnxDiamPeerStatsGyAs)	long	The value of tmnxDiamPeerStatsGyAs indicates the number of DIAMETER Gy Abort-Session messages.
peerStatsGyCcl [Peer Stats Gy Cc I] (tmnxDiamPeerStatsGyCcl)	long	The value of tmnxDiamPeerStatsGyCcl indicates the number of DIAMETER Gy Credit Control messages with CC-Request-Type AVP equal to INITIAL_REQUEST.
peerStatsGyCcT [Peer Stats Gy Cc T] (tmnxDiamPeerStatsGyCcT)	long	The value of tmnxDiamPeerStatsGyCcT indicates the number of DIAMETER Gy Credit Control messages with CC-Request-Type AVP equal to TERMINATION_REQUEST.
peerStatsGyCcU [Peer Stats Gy Cc U] (tmnxDiamPeerStatsGyCcU)	long	The value of tmnxDiamPeerStatsGyCcU indicates the number of DIAMETER Gy Credit Control messages with CC-Request-Type AVP equal to UPDATE_REQUEST.
peerStatsGyRa [Peer Stats Gy Ra] (tmnxDiamPeerStatsGyRa)	long	The value of tmnxDiamPeerStatsGyRa indicates the number of DIAMETER Gy Re-Auth messages.
peerStatsMessage [Peer Stats Message] (tmnxDiamPeerStatsMessageType)	int	The value of tmnxDiamPeerStatsMessageType indicates whether this message is a Request Message or whether this message is an Answer Message.
peerStatsNqAa [Peer Stats Nq Aa] (tmnxDiamPeerStatsNqAa)	long	The value of tmnxDiamPeerStatsNqAa indicates the number of AA messages.
peerTotalMessages [Peer Total Messages] (tmnxDiamPeerStatsTotalMessages)	long	The value of tmnxDiamPeerStatsTotalMessages indicates the total number of messages.
policyName [Policy Name] (tmnxDiamPlcyName)	String	The value of tmnxDiamPlcyName specifies the name of the DIAMETER policy.

Table 459 dynsvc statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynSvcStats</p> <p>MIB entry name: tmnxDynSvcStatsEntry</p> <p>Entry description: Each conceptual row represents a statistic counter. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxDynSvcStatsTable): The tmnxDynSvcStatsTable shows statistics information of the Dynamic Services.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dynsvc.DynSvcNeConfig</p>		
statsDescription [Stats Description] (tmnxDynSvcStatsDescr)	String	The value of the object tmnxDynSvcStatsDescr indicates the description of the statistic counter contained in this conceptual row.
statsId [Stats Id] (tmnxDynSvcStatsId)	long	The value of tmnxDynSvcStatsId specifies the number that identifies this conceptual row within the scope of a Dynamic Services.
statsValue [Stats Value] (tmnxDynSvcStatsVal)	long	The value of the object tmnxDynSvcStatsVal indicates the value of the statistics contained in this conceptual row.

Table 460 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardResourceStats</p> <p>MIB entry name: tCardResEntry</p> <p>Entry description: The value of tCardResEntry represents card specific system resource information.</p> <p>Table description (for tCardResTable): The value of tCardResTable represents system resource information that are specific to a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tCardResFPIngQGrpInstAlloc)	long	The value of tCardResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are currently provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tCardResFPIngQGrpInstTotal)	long	The value of tCardResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are allowed to be provisioned. When the value of tCardResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
hsmdaQOvrAlloc [Hsmda QOvr Alloc] (tCardResHsmdaQOvrAlloc)	long	The value of tCardResHsmdaQOvrAlloc represents the total number of HSMDA queue overrides that are currently allocated on this card.
hsmdaQOvrTotal [Hsmda QOvr Total] (tCardResHsmdaQOvrTotal)	long	The value of tCardResHsmdaQOvrTotal represents the total number of HSMDA queue overrides that are supported on this card. When the value of tCardResHsmdaQOvrTotal is zero, it indicates that this resource type is not supported on this card.
portAccEgrQGrpInstAlloc [Port Acc Egr QGrp Inst Alloc] (tCardResPortAccEgrQGrpInstAlloc)	long	The value of tCardResPortAccEgrQGrpInstAlloc represents the total number of port access egress queue-group instances across all ports on this card that are currently provisioned.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccEgrQGrpInstTotal [Port Acc Egr QGrp Inst Total] (tCardResPortAccEgrQGrpInstTotal)	long	The value of tCardResPortAccEgrQGrpInstTotal represents the total number of port access egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortAccEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tCardResPortEgrQGrpInstAlloc)	long	The value of tCardResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tCardResPortEgrQGrpInstTotal)	long	The value of tCardResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are allowed to be provisioned. When the value of tCardResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrUserSchedOvrsAlloc [Port Egr User Sched Ovrs Alloc] (tCardResQosUserSchedOvrsAlloc)	long	The value of tCardResQosUserSchedOvrsAlloc represents the total number of QoS user virtual scheduler overrides that are currently allocated on this card.
portEgrUserSchedOvrsTotal [Port Egr User Sched Ovrs Total] (tCardResQosUserSchedOvrsTotal)	long	The value of tCardResQosUserSchedOvrsTotal represents the total amount of QoS user virtual scheduler overrides that are supported on this card. When the value of tCardResQosUserSchedOvrsTotal is zero, it indicates that this resource type is not supported on this card.
portEgrVPortAlloc [Port Egr VPort Alloc] (tCardResPortEgrVPortAlloc)	long	The value of tCardResPortEgrVPortAlloc represents the total number of egress virtual ports across all ports on this card that are currently provisioned.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrVPortTotal [Port Egr VPort Total] (tCardResPortEgrVPortTotal)	long	The value of tCardResPortEgrVPortTotal represents the total number of egress virtual ports across all ports on this card that are allowed to be provisioned. When the value of tCardResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this card.
portNetEgrQGrpInstAlloc [Port Net Egr QGrp Inst Alloc] (tCardResPortNetEgrQGrpInstAlloc)	long	The value of tCardResPortNetEgrQGrpInstAlloc represents the total number of port network egress queue-group instances across all ports on this card that are currently provisioned.
portNetEgrQGrpInstTotal [Port Net Egr QGrp Inst Total] (tCardResPortNetEgrQGrpInstTotal)	long	The value of tCardResPortNetEgrQGrpInstTotal represents the total number of port network egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortNetEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
qosUserSchedsAlloc [Qos User Scheds Alloc] (tCardResQosUserSchedsAlloc)	long	The value of tCardResQosUserSchedsAlloc represents the total number of QoS user virtual schedulers that are currently allocated on this card.
qosUserSchedsTotal [Qos User Scheds Total] (tCardResQosUserSchedsTotal)	long	The value of tCardResQosUserSchedsTotal represents the total amount of QoS user virtual schedulers that are supported on this card. When the value of tCardResQosUserSchedsTotal is zero, it indicates that this resource type is not supported on this card.
subSPIQosOvrAlloc [Sub SPIQos Ovr Alloc] (tCardResSubSPIQosOvrAlloc)	long	The value of tCardResSubSPIQosOvrAlloc represents the total number of QoS subscriber sla-profile instance overrides that are currently allocated on this card.
subSPIQosOvrTotal [Sub SPIQos Ovr Total] (tCardResSubSPIQosOvrTotal)	long	The value of tCardResSubSPIQosOvrTotal represents the total number of QoS subscriber sla-profile instance overrides that are supported on this card. When the value of tCardResSubSPIQosOvrTotal is zero, it indicates that this resource type is not supported on this card.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ChassisResourceStats</p> <p>MIB entry name: tChassisResEntry</p> <p>Entry description: The value of tChassisResEntry represents chassis specific system resource information.</p> <p>Table description (for tChassisResTable): The value of tChassisResTable represents system resource information that are specific to chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
dynSvcNHEntAlloc [Dyn Svc NHEnt Alloc] (tChassisResDynSvcNHEntAlloc)	long	The value of tChassisResDynSvcNHEntAlloc represents the total number of dynamic service next-hop entries currently in use on this chassis. The value of tChassisResDynSvcNHEntAlloc will always equal to the sum of tChassisResIpSecNHEntAlloc and tChassisResSubNHEntAlloc since IPsec next-hop and subscriber next-hop resources are subsets of dynamic service next-hop entry resources.
dynSvcNHEntTotal [Dyn Svc NHEnt Total] (tChassisResDynSvcNHEntTotal)	long	The value of tChassisResDynSvcNHEntTotal represents the total number of dynamic service next-hop entries supported on this chassis. When the value of tChassisResDynSvcNHEntTotal is zero, it indicates that this resource type is not supported on this chassis.
egrQGrpTmplAlloc [Egr QGrp Tmpl Alloc] (tChassisResEgrQGrpTmplAlloc)	long	The value of tChassisResEgrQGrpTmplAlloc represents the total number of egress queue-group-templates that are currently provisioned on this chassis.
egrQGrpTmplTotal [Egr QGrp Tmpl Total] (tChassisResEgrQGrpTmplTotal)	long	The value of tChassisResEgrQGrpTmplTotal represents the total number of egress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResEgrQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tChassisResFPIngQGrpInstAlloc)	long	The value of tChassisResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tChassisResFPIngQGrpInstTotal)	long	The value of tChassisResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
ingQGrpTmplAlloc [Ing QGrp Tmpl Alloc] (tChassisResIngQGrpTmplAlloc)	long	The value of tChassisResIngQGrpTmplAlloc represents the total number of ingress queue-group-templates that are currently provisioned on this chassis.
ingQGrpTmplTotal [Ing QGrp Tmpl Total] (tChassisResIngQGrpTmplTotal)	long	The value of tChassisResIngQGrpTmplTotal represents the total number of ingress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResIngQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.
ipSecNHEntryAlloc [Ip Sec NHEntry Alloc] (tChassisResIpSecNHEntryAlloc)	long	The value of tChassisResIpSecNHEntryAlloc represents the total number of IPsec next-hop entries currently in use on this chassis. The value of tChassisResIpSecNHEntryAlloc will always be less than or equal to tChassisResDynSvcNHEntryAlloc since IPsec next-hop entry resources are a subset of dynamic service next-hop entry resources.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipSecNHEntryTotal [Ip Sec NHEntry Total] (tChassisResIpSecNHEntryTotal)	long	The value of tChassisResIpSecNHEntryTotal represents the total number of IPsec next-hop entries supported on this chassis. When the value of tChassisResIpSecNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis. The value of tChassisResIpSecNHEntryTotal will always be less than or equal to tChassisResDynSvcNHEntryTotal since IPsec next-hop entry resources are a subset of dynamic service next-hop entry resources.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tChassisResPortEgrQGrpInstAlloc)	long	The value of tChassisResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tChassisResPortEgrQGrpInstTotal)	long	The value of tChassisResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrVPortAlloc [Port Egr VPort Alloc] (tChassisResPortEgrVPortAlloc)	long	The value of tChassisResPortEgrVPortAlloc represents the total number of port virtual ports across all the ports on this chassis that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tChassisResPortEgrVPortTotal)	long	The value of tChassisResPortEgrVPortTotal represents the total number of egress virtual ports across all the ports on this chassis that are allowed to be provisioned. When the value of tChassisResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this chassis.
sapEgrQosPolAlloc [Sap Egr Qos Pol Alloc] (tChassisResSapEgrQosPolAlloc)	long	The value of tChassisResSapEgrQosPolAlloc represents the total number of sap-egress QoS policies that are currently provisioned on this chassis.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrQosPolTotal [Sap Egr Qos Pol Total] (tChassisResSapEgrQosPolTotal)	long	The value of tChassisResSapEgrQosPolTotal represents the total number of sap-egress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapEgrQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tChassisResSapIngQosPolAlloc)	long	The value of tChassisResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently provisioned on this chassis.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tChassisResSapIngQosPolTotal)	long	The value of tChassisResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapIngQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
subNHEntryAlloc [Sub NHEntry Alloc] (tChassisResSubNHEntryAlloc)	long	The value of tChassisResSubNHEntryAlloc represents the total number of subscriber next-hop entries currently in use on this chassis. The value of tChassisResSubNHEntryAlloc will always be less than or equal to tChassisResDynSvcNHEntry-Alloc since subscriber next-hop entry resources are a subset of dynamic service next hop entry resources.
subNHEntryTotal [Sub NHEntry Total] (tChassisResSubNHEntryTotal)	long	The value of tChassisResSubNHEntryTotal represents the total number of subscriber next-hop entries supported on this chassis. When the value of tChassisResSubNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis. The value of tChassisResSubNHEntryTotal will always be less than or equal to tChassisResDynSvcNHEntry-Total since subscriber next-hop entry resources are a subset of dynamic service next-hop entry resources.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CiscoHDLCStats</p> <p>MIB entry name: tmnxCiscoHDLCStatsEntry</p> <p>Entry description: An entry in the tmnxCiscoHDLCStatsTable.</p> <p>Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel 		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.
<p>CpuUtilizationStats</p> <p>MIB entry name: tmnxCardCpuResMonitorEntry</p> <p>Entry description: The tmnxCardCpuResMonitorEntry contains the card level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxCardCpuResMonitorTable): The tmnxCardCpuResMonitorTable details the specified current card's CPU resources. The information described in this table is volatile and dependent on the current environmental conditions, and specified sample-time. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
busyCoreUtil [Busy Core Util] (tmnxCardCpuResMonBusyCoreUtil)	double	The value of tmnxCardCpuResMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
busyGroupName [Busy Group Name] (tmnxCardCpuResMonBusyGroupName)	String	The value of tmnxCardCpuResMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxCardCpuResMonBusyGroupUtil.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
busyGroupUtil [Busy Group Util] (tmnxCardCpuResMonBusyGroupUtil)	double	The value of tmnxCardCpuResMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxCardCpuResMonBusyGroupName.
cardSlotId [Card Slot Id] (tmnxCardResourceSlotNum)	long	The value of tmnxCardResourceSlotNum specifies the slot number of the card to which the resource information is monitored.
cpuldle [Cpu Idle] (tmnxCardCpuResMonCpuldle)	double	The value of tmnxCardCpuResMonCpuldle indicates the overall percentage of CPU idleness over the specified sample-time.
samplingTime [Sampling Time] (tmnxCardCpuResSampleTime)	int	The value of tmnxCardCpuResSampleTime specifies the sample-time used to calculate the utilization results for the row.
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF. For 100G MSA Transponder, the supply voltage is in millivolts (mV). For all other types the voltage is in deci-millivolts (1/10th of a millivolt or 100 microvolt units). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: tmnxDDMSupplyVoltage * conversion_factor Externally Calibrated: (tmnxDDMSupplyVoltage * (tmnxDDMExtCalVoltageSlope / 256) + tmnxDDMExtCalVoltageOffset) * conversion_factor where conversion_factor is 1/1000 for 100G MSA transponders and 1/10000 for all the others. For example (internally calibrated SFF): 1. For 100G MSA transponders, the SNMP value 32851 is 32.851 Volts (V). 2. For all others, the SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: tmnxDDMTemperature / 256 Externally Calibrated: (tmnxDDMTemperature * (tmnxDDMExtCalTemperatureSlope / 256) + tmnxDDMExtCalTemperatureOffset) / 256 For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: tmnxDDMTxBiasCurrent / 500 Externally Calibrated: (tmnxDDMTxBiasCurrent * (tmnxDDMExtCalTxLaserBiasSlope / 256) + tmnxDDMExtCalTxLaserBiasOffset) / 500 For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
<p>EgrSchVPortStats</p> <p>MIB entry name: tPortEgrVPortSchedStatEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about an egress port scheduler at a vport. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tPortEgrVPortSchedStatTable): The tPortEgrVPortSchedStatTable contains statistics information about the egress port schedulers at a vport.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrSchVPortStatsFwdOcts [Egr Sch VPort Stats Fwd Octs] (tPortEgrVPSchedStatFwdOcts)	java. math. BigInteger	The value of tPortEgrVPSchedStatFwdOcts indicates the number of forwarded octets.
egrSchVPortStatsFwdPkts [Egr Sch VPort Stats Fwd Pkts] (tPortEgrVPSchedStatFwdPkts)	java. math. BigInteger	The value of tPortEgrVPSchedStatFwdPkts indicates the number of forwarded packets.
egrSchVPortStatsName [Egr Sch VPort Stats Name] (tPortEgrVPSchedStatName)	String	The value of tPortEgrVPSchedStatName specifies the name of the port scheduler.
portId [Port Id] (tmnxPortPortID)	long	tmnxPortPortID is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
shelfId [Shelf Id] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
virtualPortName [Virtual Port Name] (tPortEgrVPortName)	String	The value of tPortEgrVPortName is the name of the virtual port on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EgrVPortAggStats</p> <p>MIB entry name: tPortEgrVPortAggStatsEntry</p> <p>Entry description: Each row in tPortEgrVPortAggStatsEntry represents a particular virtual port at the port egress level specified by tPortEgrVPortName and tPortEgrVPStLvl.</p> <p>Table description (for tPortEgrVPortAggStatsTable): The tPortEgrVPortAggStatsTable contains the statistics of each virtual port at the port egress level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrVPortAggStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVportAggStatsCIRLevelDpdOct [Egr Vport Agg Stats CIRLevel Dpd Oct] (tPortEgrVPStLvlDpdOct)	java. math. BigInteger	The value of tPortEgrVPStLvlDpdOct indicates the number of octets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelDpdPkt [Egr Vport Agg Stats CIRLevel Dpd Pkt] (tPortEgrVPStLvlDpdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvlDpdPkt indicates the number of packets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdOct [Egr Vport Agg Stats CIRLevel Fwd Oct] (tPortEgrVPStLvlFwdOct)	java. math. BigInteger	The value of tPortEgrVPStLvlFwdOct indicates the number of octets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdPkt [Egr Vport Agg Stats CIRLevel Fwd Pkt] (tPortEgrVPStLvlFwdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvlFwdPkt indicates the number of packets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevel [Egr Vport Agg Stats CIRLevel] (tPortEgrVPStLvl)	int	The value of tPortEgrVPStLvl indicates the priority level for the port scheduler to which a subscriber host queue can be port-parented. When the value of tPortEgrVPStLvl is specified as '0xffffffff H', snmp GET on this table returns aggregate statistics.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVportAggStatsLastClearTime [Egr Vport Agg Stats Last Clear Time] (tPortEgrVPStLstClrdTime)	long	The value of tPortEgrVPStLstClrdTime indicates the sysUpTime when the counters in this table were last cleared.
<p>EgrVPortMonitorThresholdStats</p> <p>MIB entry name: tPortEgrVPortMonThrEntry</p> <p>Entry description: The value of tPortEgrVPortMonThrEntry represents threshold monitoring information for port scheduler policy specified by tPortEgrVPortQosSchedPolicy for each access egress vport when the value of tPortEgrVPortMonitorPortSched is set to 'enabled (1)'.</p> <p>Table description (for tPortEgrVPortMonThrTable): The value of tPortEgrVPortMonThrTable contains port scheduler policy's threshold monitoring information for each access egress vport when the value of tPortEgrVPortMonitorPortSched is set to 'enabled (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVPortMonThrEndTime [Egr VPort Mon Thr End Time] (tPortEgrVPortMonThrEndTime)	long	The value of tPortEgrVPortMonThrEndTime represents the end time for threshold monitoring.
egrVPortMonThrGrp1ExceedCnt [Egr VPort Mon Thr Grp 1 Exceed Cnt] (tPortEgrVPortMonThrGrp1ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp1ExceedCnt represents the exceed count for group 1 specified by tPortEgrVPortMonThrGrp1Name.
egrVPortMonThrGrp1Name [Egr VPort Mon Thr Grp 1 Name] (tPortEgrVPortMonThrGrp1Name)	String	The value of tPortEgrVPortMonThrGrp1Name represents port scheduler policy's group name.
egrVPortMonThrGrp2ExceedCnt [Egr VPort Mon Thr Grp 2 Exceed Cnt] (tPortEgrVPortMonThrGrp2ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp2ExceedCnt represents the exceed count for group 2 specified by tPortEgrVPortMonThrGrp2Name.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrGrp2Name [Egr VPort Mon Thr Grp 2 Name] (tPortEgrVPortMonThrGrp2Name)	String	The value of tPortEgrVPortMonThrGrp2Name represents port scheduler policy's group name.
egrVPortMonThrGrp3ExceedCnt [Egr VPort Mon Thr Grp 3 Exceed Cnt] (tPortEgrVPortMonThrGrp3ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp3ExceedCnt represents the exceed count for group 3 specified by tPortEgrVPortMonThrGrp3Name.
egrVPortMonThrGrp3Name [Egr VPort Mon Thr Grp 3 Name] (tPortEgrVPortMonThrGrp3Name)	String	The value of tPortEgrVPortMonThrGrp3Name represents port scheduler policy's group name.
egrVPortMonThrGrp4ExceedCnt [Egr VPort Mon Thr Grp 4 Exceed Cnt] (tPortEgrVPortMonThrGrp4ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp4ExceedCnt represents the exceed count for group 4 specified by tPortEgrVPortMonThrGrp4Name.
egrVPortMonThrGrp4Name [Egr VPort Mon Thr Grp 4 Name] (tPortEgrVPortMonThrGrp4Name)	String	The value of tPortEgrVPortMonThrGrp4Name represents port scheduler policy's group name.
egrVPortMonThrGrp5ExceedCnt [Egr VPort Mon Thr Grp 5 Exceed Cnt] (tPortEgrVPortMonThrGrp5ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp5ExceedCnt represents the exceed count for group 5 specified by tPortEgrVPortMonThrGrp5Name.
egrVPortMonThrGrp5Name [Egr VPort Mon Thr Grp 5 Name] (tPortEgrVPortMonThrGrp5Name)	String	The value of tPortEgrVPortMonThrGrp5Name represents port scheduler policy's group name.
egrVPortMonThrGrp6ExceedCnt [Egr VPort Mon Thr Grp 6 Exceed Cnt] (tPortEgrVPortMonThrGrp6ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp6ExceedCnt represents the exceed count for group 6 specified by tPortEgrVPortMonThrGrp6Name.
egrVPortMonThrGrp6Name [Egr VPort Mon Thr Grp 6 Name] (tPortEgrVPortMonThrGrp6Name)	String	The value of tPortEgrVPortMonThrGrp6Name represents port scheduler policy's group name.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrGrp7ExceedCnt [Egr VPort Mon Thr Grp 7 Exceed Cnt] (tPortEgrVPortMonThrGrp7ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp7ExceedCnt represents the exceed count for group 7 specified by tPortEgrVPortMonThrGrp7Name.
egrVPortMonThrGrp7Name [Egr VPort Mon Thr Grp 7 Name] (tPortEgrVPortMonThrGrp7Name)	String	The value of tPortEgrVPortMonThrGrp7Name represents port scheduler policy's group name.
egrVPortMonThrGrp8ExceedCnt [Egr VPort Mon Thr Grp 8 Exceed Cnt] (tPortEgrVPortMonThrGrp8ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp8ExceedCnt represents the exceed count for group 8 specified by tPortEgrVPortMonThrGrp8Name.
egrVPortMonThrGrp8Name [Egr VPort Mon Thr Grp 8 Name] (tPortEgrVPortMonThrGrp8Name)	String	The value of tPortEgrVPortMonThrGrp8Name represents port scheduler policy's group name.
egrVPortMonThrLvl1ExceedCnt [Egr VPort Mon Thr Lvl 1 Exceed Cnt] (tPortEgrVPortMonThrLvl1ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl1ExceedCnt represents the exceed count for priority level 1.
egrVPortMonThrLvl2ExceedCnt [Egr VPort Mon Thr Lvl 2 Exceed Cnt] (tPortEgrVPortMonThrLvl2ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl2ExceedCnt represents the exceed count for priority level 2.
egrVPortMonThrLvl3ExceedCnt [Egr VPort Mon Thr Lvl 3 Exceed Cnt] (tPortEgrVPortMonThrLvl3ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl3ExceedCnt represents the exceed count for priority level 3.
egrVPortMonThrLvl4ExceedCnt [Egr VPort Mon Thr Lvl 4 Exceed Cnt] (tPortEgrVPortMonThrLvl4ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl4ExceedCnt represents the exceed count for priority level 4.
egrVPortMonThrLvl5ExceedCnt [Egr VPort Mon Thr Lvl 5 Exceed Cnt] (tPortEgrVPortMonThrLvl5ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl5ExceedCnt represents the exceed count for priority level 5.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrLvl6ExceedCnt [Egr VPort Mon Thr Lvl 6 Exceed Cnt] (tPortEgrVPortMonThrLvl6ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl6ExceedCnt represents the exceed count for priority level 6.
egrVPortMonThrLvl7ExceedCnt [Egr VPort Mon Thr Lvl 7 Exceed Cnt] (tPortEgrVPortMonThrLvl7ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl7ExceedCnt represents the exceed count for priority level 7.
egrVPortMonThrLvl8ExceedCnt [Egr VPort Mon Thr Lvl 8 Exceed Cnt] (tPortEgrVPortMonThrLvl8ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl8ExceedCnt represents the exceed count for priority level 8.
egrVPortMonThrPortExceedCnt [Egr VPort Mon Thr Port Exceed Cnt] (tPortEgrVPortMonThrPortExceedCnt)	long	The value of tPortEgrVPortMonThrPortExceedCnt represents the exceed count for egress port scheduler.
egrVPortMonThrStartTime [Egr VPort Mon Thr Start Time] (tPortEgrVPortMonThrStartTime)	long	The value of tPortEgrVPortMonThrStartTime represents the start time for threshold monitoring.
egrVPortMonThrTotalSamples [Egr VPort Mon Thr Total Samples] (tPortEgrVPortMonThrTotalSamples)	long	The value of tPortEgrVPortMonThrTotalSamples represents total samples collected during the threshold monitoring interval.
<p>FPAcclngQGrpArbiterStats MIB entry name: tFPAcclngQGrpArbitStatEntry Entry description: The value of tFPAcclngQGrpArbitStatEntry defines an entry in the tFPAcclngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group policer. Table description (for tFPAcclngQGrpArbitStatTable): The value of tFPAcclngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group policer statistics on access side. Supports realtime plotting Supports scheduled collection Monitored class: equipment.FPAcclngQGrpEntry</p>		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQGrpArbitStatFwdOcts [Fp Acc Ing QGrp Arbit Stat Fwd Octs] (tFPAcclngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPAcclngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpAcclngQGrpArbitStatFwdOctsH [Fp Acc Ing QGrp Arbit Stat Fwd Octs H] (tFPAcclngQGrpArbitStatFwdOctsH)	long	The value of tFPAcclngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPAcclngQGrpArbitStatFwdOcts.
fpAcclngQGrpArbitStatFwdOctsL [Fp Acc Ing QGrp Arbit Stat Fwd Octs L] (tFPAcclngQGrpArbitStatFwdOctsL)	long	The value of tFPAcclngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPAcclngQGrpArbitStatFwdOcts.
fpAcclngQGrpArbitStatFwdPkts [Fp Acc Ing QGrp Arbit Stat Fwd Pkts] (tFPAcclngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPAcclngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpAcclngQGrpArbitStatFwdPktsH [Fp Acc Ing QGrp Arbit Stat Fwd Pkts H] (tFPAcclngQGrpArbitStatFwdPktsH)	long	The value of tFPAcclngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPAcclngQGrpArbitStatFwdPkts.
fpAcclngQGrpArbitStatFwdPktsL [Fp Acc Ing QGrp Arbit Stat Fwd Pkts L] (tFPAcclngQGrpArbitStatFwdPktsL)	long	The value of tFPAcclngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPAcclngQGrpArbitStatFwdPkts.
fpAcclngQGrpArbitStatName [Fp Acc Ing QGrp Arbit Stat Name] (tFPAcclngQGrpArbitStatName)	String	The value of tFPAcclngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on access.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPacclngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPacclngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPacclngQGrpPStatEntry defines an entry in the tmnxFPacclngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPacclngQGrpPStatTable): The tmnxFPacclngQGrpPStatTable contains forwarding-plane ingress QoS queue group policer statistics on access side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPacclngQGrpEntry</p>		
fpAcclngQGrpPStatMode [Fp Acc Ing QGrp PStat Mode] (tmnxFPacclngQGrpPStatMode)	int	The value of tmnxFPacclngQGrpPStatMode indicates the stat mode used by this policer.
fpAcclngQGrpPStatPolicerId [Fp Acc Ing QGrp PStat Policer Id] (tmnxFPacclngQGrpPStatPolicerId)	long	The value of tmnxFPacclngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on access.
fpAcclngQgPStDrpHPrioOcts [Fp Acc Ing Qg PSt Drp HPrio Octs] (tmnxFPacclngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPacclngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpHPrioOctsH [Fp Acc Ing Qg PSt Drp HPrio Octs H] (tmnxFPacclngQgPStDrpHPrioOctsH)	long	The value of tmnxFPacclngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPacclngQgPStDrpHPrioOcts.
fpAcclngQgPStDrpHPrioOctsL [Fp Acc Ing Qg PSt Drp HPrio Octs L] (tmnxFPacclngQgPStDrpHPrioOctsL)	long	The value of tmnxFPacclngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPacclngQgPStDrpHPrioOcts.
fpAcclngQgPStDrpHPrioPkts [Fp Acc Ing Qg PSt Drp HPrio Pkts] (tmnxFPacclngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPacclngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStDrpHPrioPktsH [Fp Acc Ing Qg PSt Drp HPrio Pkts H] (tmnxFPAcclngQgPStDrpHPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpHPrioPkts.
fpAcclngQgPStDrpHPrioPktsL [Fp Acc Ing Qg PSt Drp HPrio Pkts L] (tmnxFPAcclngQgPStDrpHPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpHPrioPkts.
fpAcclngQgPStDrpLPrioOcts [Fp Acc Ing Qg PSt Drp LPrio Octs] (tmnxFPAcclngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioOctsH [Fp Acc Ing Qg PSt Drp LPrio Octs H] (tmnxFPAcclngQgPStDrpLPrioOctsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioOctsL [Fp Acc Ing Qg PSt Drp LPrio Octs L] (tmnxFPAcclngQgPStDrpLPrioOctsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioPkts [Fp Acc Ing Qg PSt Drp LPrio Pkts] (tmnxFPAcclngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioPktsH [Fp Acc Ing Qg PSt Drp LPrio Pkts H] (tmnxFPAcclngQgPStDrpLPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.
fpAcclngQgPStDrpLPrioPktsL [Fp Acc Ing Qg PSt Drp LPrio Pkts L] (tmnxFPAcclngQgPStDrpLPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdInProfOcts [Fp Acc Ing Qg PSt Fwd In Prof Octs] (tmnxFPAcclngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfOctsH [Fp Acc Ing Qg PSt Fwd In Prof Octs H] (tmnxFPAcclngQgPStFwdInProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.
fpAcclngQgPStFwdInProfOctsL [Fp Acc Ing Qg PSt Fwd In Prof Octs L] (tmnxFPAcclngQgPStFwdInProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.
fpAcclngQgPStFwdInProfPkts [Fp Acc Ing Qg PSt Fwd In Prof Pkts] (tmnxFPAcclngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfPktsH [Fp Acc Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPAcclngQgPStFwdInProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdInProfPktsL [Fp Acc Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPAcclngQgPStFwdInProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdOutProfOcts [Fp Acc Ing Qg PSt Fwd Out Prof Octs] (tmnxFPAcclngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdOutProfOctsH [Fp Acc Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPAcclngQgPStFwdOutProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdOutProfOctsL [Fp Acc Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPAcclngQgPStFwdOutProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.
fpAcclngQgPStFwdOutProfPkts [Fp Acc Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPAcclngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdOutProfPktsH [Fp Acc Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPAcclngQgPStFwdOutProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStFwdOutProfPktsL [Fp Acc Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPAcclngQgPStFwdOutProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStOffHPrioOcts [Fp Acc Ing Qg PSt Off HPrio Octs] (tmnxFPAcclngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffHPrioOctsH [Fp Acc Ing Qg PSt Off HPrio Octs H] (tmnxFPAcclngQgPStOffHPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioOctsL [Fp Acc Ing Qg PSt Off HPrio Octs L] (tmnxFPAcclngQgPStOffHPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioPkts [Fp Acc Ing Qg PSt Off HPrio Pkts] (tmnxFPAcclngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStOffHPrioPktsH [Fp Acc Ing Qg PSt Off HPrio Pkts H] (tmnxFPAcclngQgPStOffHPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.
fpAcclngQgPStOffHPrioPktsL [Fp Acc Ing Qg PSt Off HPrio Pkts L] (tmnxFPAcclngQgPStOffHPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.
fpAcclngQgPStOffLPrioOcts [Fp Acc Ing Qg PSt Off LPrio Octets] (tmnxFPAcclngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.
fpAcclngQgPStOffLPrioOctsH [Fp Acc Ing Qg PSt Off LPrio Octets H] (tmnxFPAcclngQgPStOffLPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffLPrioOcts.
fpAcclngQgPStOffLPrioOctsL [Fp Acc Ing Qg PSt Off LPrio Octets L] (tmnxFPAcclngQgPStOffLPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffLPrioOcts.
fpAcclngQgPStOffLPrioPkts [Fp Acc Ing Qg PSt Off LPrio Pkts] (tmnxFPAcclngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffLPrioPktsH [Fp Acc Ing Qg PSt Off LPrio Pkts H] (tmnxFPAcclngQgPStOffLPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffLPrioPkts.
fpAcclngQgPStOffLPrioPktsL [Fp Acc Ing Qg PSt Off LPrio Pkts L] (tmnxFPAcclngQgPStOffLPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffLPrioPkts.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStUncolOctsOff [Fp Acc Ing Qg PSt Uncol Octs Off] (tmnxFPAcclngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpAcclngQgPStUncolOctsOffH [Fp Acc Ing Qg PSt Uncol Octs Off H] (tmnxFPAcclngQgPStUncolOctsOffH)	long	The value of tmnxFPAcclngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPAcclngQgPStUncolOctsOff.
fpAcclngQgPStUncolOctsOffL [Fp Acc Ing Qg PSt Uncol Octs Off L] (tmnxFPAcclngQgPStUncolOctsOffL)	long	The value of tmnxFPAcclngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolOctsOff.
fpAcclngQgPStUncolPktsOff [Fp Acc Ing Qg PSt Uncol Pkts Off] (tmnxFPAcclngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpAcclngQgPStUncolPktsOffH [Fp Acc Ing Qg PSt Uncol Pkts Off H] (tmnxFPAcclngQgPStUncolPktsOffH)	long	The value of tmnxFPAcclngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
fpAcclngQgPStUncolPktsOffL [Fp Acc Ing Qg PSt Uncol Pkts Off L] (tmnxFPAcclngQgPStUncolPktsOffL)	long	The value of tmnxFPAcclngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
FPNwIngQGrpArbiterStats MIB entry name: tFPNetIngQGrpArbitStatEntry Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter. Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side. Supports realtime plotting Supports scheduled collection Monitored class: equipment.FPNwIngQGrpEntry		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPNwIngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPNetIngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPNetIngQGrpPStatEntry defines an entry in the tmnxFPNetIngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPNetIngQGrpPStatTable): The tmnxFPNetIngQGrpPStatTable contains forwarding-plane ingress QoS queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpPStatMode [Fp Net Ing QGrp PStat Mode] (tmnxFPNetIngQGrpPStatMode)	int	The value of tmnxFPNetIngQGrpPStatMode indicates the stat mode used by this policer.
fpNetIngQGrpPStatPolicerId [Fp Net Ing QGrp PStat Policer Id] (tmnxFPNetIngQGrpPStatPolicerId)	long	The value of tmnxFPNetIngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on network.
fpNetIngQgPStDrpHPrioOcts [Fp Net Ing Qg PSt Drp HPrio Octs] (tmnxFPNetIngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpHPrioOctsH [Fp Net Ing Qg PSt Drp HPrio Octs H] (tmnxFPNetIngQgPStDrpHPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioOctsL [Fp Net Ing Qg PSt Drp HPrio Octs L] (tmnxFPNetIngQgPStDrpHPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioPkts [Fp Net Ing Qg PSt Drp HPrio Pkts] (tmnxFPNetIngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStDrpHPrioPktsH [Fp Net Ing Qg PSt Drp HPrio Pkts H] (tmnxFPNetIngQgPStDrpHPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpHPrioPktsL [Fp Net Ing Qg PSt Drp HPrio Pkts L] (tmnxFPNetIngQgPStDrpHPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpLPrioOcts [Fp Net Ing Qg PSt Drp LPrio Octs] (tmnxFPNetIngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpLPrioOctsH [Fp Net Ing Qg PSt Drp LPrio Octs H] (tmnxFPNetIngQgPStDrpLPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioOctsL [Fp Net Ing Qg PSt Drp LPrio Octs L] (tmnxFPNetIngQgPStDrpLPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioPkts [Fp Net Ing Qg PSt Drp LPrio Pkts] (tmnxFPNetIngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpLPrioPktsH [Fp Net Ing Qg PSt Drp LPrio Pkts H] (tmnxFPNetIngQgPStDrpLPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.
fpNetIngQgPStDrpLPrioPktsL [Fp Net Ing Qg PSt Drp LPrio Pkts L] (tmnxFPNetIngQgPStDrpLPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdInProfOcts [Fp Net Ing Qg PSt Fwd In Prof Octs] (tmnxFPNetIngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfOctsH [Fp Net Ing Qg PSt Fwd In Prof Octs H] (tmnxFPNetIngQgPStFwdInProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.
fpNetIngQgPStFwdInProfOctsL [Fp Net Ing Qg PSt Fwd In Prof Octs L] (tmnxFPNetIngQgPStFwdInProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.
fpNetIngQgPStFwdInProfPkts [Fp Net Ing Qg PSt Fwd In Prof Pkts] (tmnxFPNetIngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfPktsH [Fp Net Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPNetIngQgPStFwdInProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdInProfPktsL [Fp Net Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPNetIngQgPStFwdInProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdOutProfOcts [Fp Net Ing Qg PSt Fwd Out Prof Octs] (tmnxFPNetIngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfOctsH [Fp Net Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPNetIngQgPStFwdOutProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdOutProfOctsL [Fp Net Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPNetIngQgPStFwdOutProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.
fpNetIngQgPStFwdOutProfPkts [Fp Net Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPNetIngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfPktsH [Fp Net Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPNetIngQgPStFwdOutProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.
fpNetIngQgPStFwdOutProfPktsL [Fp Net Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPNetIngQgPStFwdOutProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.
fpNetIngQgPStOffHPrioOcts [Fp Net Ing Qg PSt Off HPrio Octs] (tmnxFPNetIngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffHPrioOctsH [Fp Net Ing Qg PSt Off HPrio Octs H] (tmnxFPNetIngQgPStOffHPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioOctsL [Fp Net Ing Qg PSt Off HPrio Octs L] (tmnxFPNetIngQgPStOffHPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioPkts [Fp Net Ing Qg PSt Off HPrio Pkts] (tmnxFPNetIngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStOffHPrioPktsH [Fp Net Ing Qg PSt Off HPrio Pkts H] (tmnxFPNetIngQgPStOffHPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffHPrioPktsL [Fp Net Ing Qg PSt Off HPrio Pkts L] (tmnxFPNetIngQgPStOffHPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffLPrioOcts [Fp Net Ing Qg PSt Off LPrio Octs] (tmnxFPNetIngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.
fpNetIngQgPStOffLPrioOctsH [Fp Net Ing Qg PSt Off LPrio Octs H] (tmnxFPNetIngQgPStOffLPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioOctsL [Fp Net Ing Qg PSt Off LPrio Octs L] (tmnxFPNetIngQgPStOffLPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioPkts [Fp Net Ing Qg PSt Off LPrio Pkts] (tmnxFPNetIngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffLPrioPktsH [Fp Net Ing Qg PSt Off LPrio Pkts H] (tmnxFPNetIngQgPStOffLPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.
fpNetIngQgPStOffLPrioPktsL [Fp Net Ing Qg PSt Off LPrio Pkts L] (tmnxFPNetIngQgPStOffLPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStUncolOctsOff [Fp Net Ing Qg PSt Uncol Octs Off] (tmnxFPNetIngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpNetIngQgPStUncolOctsOffH [Fp Net Ing Qg PSt Uncol Octs Off H] (tmnxFPNetIngQgPStUncolOctsOffH)	long	The value of tmnxFPNetIngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPNetIngQgPStUncolOctsOff.
fpNetIngQgPStUncolOctsOffL [Fp Net Ing Qg PSt Uncol Octs Off L] (tmnxFPNetIngQgPStUncolOctsOffL)	long	The value of tmnxFPNetIngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolOctsOff.
fpNetIngQgPStUncolPktsOff [Fp Net Ing Qg PSt Uncol Pkts Off] (tmnxFPNetIngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpNetIngQgPStUncolPktsOffH [Fp Net Ing Qg PSt Uncol Pkts Off H] (tmnxFPNetIngQgPStUncolPktsOffH)	long	The value of tmnxFPNetIngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
fpNetIngQgPStUncolPktsOffL [Fp Net Ing Qg PSt Uncol Pkts Off L] (tmnxFPNetIngQgPStUncolPktsOffL)	long	The value of tmnxFPNetIngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
FibNextHopStats MIB entry name: vRtrFibStatNextHopEntry Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.BaseCard		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats MIB entry name: vRtrFibStatEntry Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpEvpnRoutes [Bgp Evpn Routes] (vRtrFibStatBGPEvpnRoutes)	long	The value of vRtrFibStatBGPEvpnRoutes indicates the current IPv4 BGP EVPN route counts for the virtual router.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
currentUtilization [Current Utilization] (vRtrFibStatCurrentUtilization)	long	The value of vRtrFibStatCurrentUtilization indicates the space usage by IPv4 routes in hardware FIB in percentage.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
filteredRoutes [Filtered Routes] (vRtrFibStatFilteredRoutes)	long	The value of vRtrFibStatFilteredRoutes indicates the total number of IPv4 routes filtered due to selective download and so not installed in hardware FIB.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space due to IPv4 routes.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
totalInstalledRoutes [Total Installed Routes] (vRtrFibStatTotalInstalledRoutes)	long	The value of vRtrFibStatTotalInstalledRoutes indicates the total number of IPv4 routes installed in hardware FIB.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGPRoutes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
v6CurrentUtilization [V6 Current Utilization] (vRtrFibStatV6CurrentUtilization)	long	The value of vRtrFibStatV6CurrentUtilization indicates the space usage by IPv6 routes in hardware FIB in percentage.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6FilteredRoutes [V6 Filtered Routes] (vRtrFibStatV6FilteredRoutes)	long	The value of vRtrFibStatV6FilteredRoutes indicates the total number of IPv6 routes filtered due to selective download and so not installed in hardware FIB.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISISRoutes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6Overflows [V6 Overflows] (vRtrFibStatV6Overflows)	long	vRtrFibStatV6Overflows indicates the number of times the FIB has run out of space due to IPv6 routes.
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6TotalInstalledRoutes [V6 Total Installed Routes] (vRtrFibStatV6TotalInstalledRt)	long	The value of vRtrFibStatV6TotalInstalledRt indicates the total number of IPv6 routes installed in hardware FIB.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
v6bgpEvpnRoutes [V6 bgp Evpn Routes] (vRtrFibStatV6BGPEvpnRoutes)	long	The value of vRtrFibStatV6BGPEvpnRoutes indicates the current IPv6 BGP EVPN route counts for the virtual router.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.
<p>ForwardingPlaneResourceStats</p> <p>MIB entry name: tFPResEntry</p> <p>Entry description: The value of tFPResEntry represents forwarding plane (FP) specific system resource information.</p> <p>Table description (for tFPResTable): The value of tFPResTable represents system resource information that are specific to forwarding plane (FP) for a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.CardSlot • equipment.ForwardingPlane 		
dynEgrClassAlloc [Dyn Egr Class Alloc] (tFPResDynEgrClassAlloc)	long	The value of tFPResDynEgrClassAlloc represents the total number of QoS dynamic egress classification resources that are currently allocated on this FP.
dynEgrClassIUBNE [Dyn Egr Class IUBNE] (tFPResDynEgrClassIUBNE)	long	The value of tFPResDynEgrClassIUBNE represents the subset of resources which are currently in use by network egress QoS classification out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc. A network egress QoS classification resource is consumed whenever a network QoS policy has at least one egress DSCP or prec classification rule provisioned.
dynEgrClassIUBSE [Dyn Egr Class IUBSE] (tFPResDynEgrClassIUBSE)	long	The value of tFPResDynEgrClassIUBSE represents the subset of resources which are currently in use by sap-egress QoS policies out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynEgrClassTotal [Dyn Egr Class Total] (tFPResDynEgrClassTotal)	long	The value of tFPResDynEgrClassTotal represents the total number of QoS dynamic egress classification resources that are allowed to be in use on this FP.
dynPolicerAlloc [Dyn Policer Alloc] (tFPResDynPolicerAlloc)	long	The value of tFPResDynPolicerAlloc represents the total number of dynamic policers that are currently allocated on this FP.
dynPolicerIUBE [Dyn Policer IUBE] (tFPResDynPolicerIUBE)	long	The value of tFPResDynPolicerIUBE represents the subset of resources which are currently in use by egress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerIUBI [Dyn Policer IUBI] (tFPResDynPolicerIUBI)	long	The value of tFPResDynPolicerIUBI represents the subset of resources which are currently in use by ingress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerStatAlloc [Dyn Policer Stat Alloc] (tFPResDynPolicerStatAlloc)	long	The value of tFPResDynPolicerStatAlloc represents the total number of dynamic policers stats that are currently allocated on this FP.
dynPolicerStatIUBE [Dyn Policer Stat IUBE] (tFPResDynPolicerStatIUBE)	long	The value of tFPResDynPolicerStatIUBE represents the subset of resources which are currently in use by egress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatIUBI [Dyn Policer Stat IUBI] (tFPResDynPolicerStatIUBI)	long	The value of tFPResDynPolicerStatIUBI represents the subset of resources which are currently in use by ingress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatTotal [Dyn Policer Stat Total] (tFPResDynPolicerStatTotal)	long	The value of tFPResDynPolicerStatTotal represents the total number of dynamic policer stats that are supported on this FP. When the value of tFPResDynPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynPolicerTotal [Dyn Policer Total] (tFPResDynPolicerTotal)	long	The value of tFPResDynPolicerTotal represents the total number of dynamic policer that are supported on this FP. When the value of tFPResDynPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2NamedPoolAlloc [Dyn Q2 Named Pool Alloc] (tFPResDynQ2NamedPoolAlloc)	long	The value of tFPResDynQ2NamedPoolAlloc represents the total number of dynamic Q2 named pools that are currently allocated on this FP.
dynQ2NamedPoolIUBE [Dyn Q2 Named Pool IUBE] (tFPResDynQ2NamedPoolIUBE)	long	The value of tFPResDynQ2NamedPoolIUBE represents the subset of resources which are currently in use by egress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolIUBI [Dyn Q2 Named Pool IUBI] (tFPResDynQ2NamedPoolIUBI)	long	The value of tFPResDynQ2NamedPoolIUBI represents the subset of resources which are currently in use by ingress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolTotal [Dyn Q2 Named Pool Total] (tFPResDynQ2NamedPoolTotal)	long	The value of tFPResDynQ2NamedPoolTotal represents the total number of dynamic Q2 named pools that are supported on this FP. When the value of tFPResDynQ2NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2WredPoolAlloc [Dyn Q2 Wred Pool Alloc] (tFPResDynQ2WredPoolAlloc)	long	The value of tFPResDynQ2WredPoolAlloc represents the total number of dynamic Q2 wred pools that are currently allocated on this FP.
dynQ2WredPoolTotal [Dyn Q2 Wred Pool Total] (tFPResDynQ2WredPoolTotal)	long	The value of tFPResDynQ2WredPoolTotal represents the total number of dynamic Q2 wred pools that are supported on this FP. When the value of tFPResDynQ2WredPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQueueAlloc [Dyn Queue Alloc] (tFPResDynQueueAlloc)	long	The value of tFPResDynQueueAlloc represents the total number of dynamic queues that are currently allocated on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQueueIUBE [Dyn Queue IUBE] (tFPResDynQueueIUBE)	long	The value of tFPResDynQueueIUBE represents the subset of resources which are currently in use by egress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueIUBI [Dyn Queue IUBI] (tFPResDynQueueIUBI)	long	The value of tFPResDynQueueIUBI represents the subset of resources which are currently in use by ingress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueTotal [Dyn Queue Total] (tFPResDynQueueTotal)	long	The value of tFPResDynQueueTotal represents the total number of dynamic queues that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
dynSvcEntryAlloc [Dyn Svc Entry Alloc] (tFPResDynSvcEntryAlloc)	long	The value of tFPResDynSvcEntryAlloc represents the total number of dynamic services that are currently allocated on this FP. The value of tFPResDynSvcEntryAlloc will always equal to the sum of tFPResSubHostAlloc, tFPResEncapGrpMemberAlloc and tFPResEgrNetQGrpMapAlloc since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
dynSvcEntryTotal [Dyn Svc Entry Total] (tFPResDynSvcEntryTotal)	long	The value of tFPResDynSvcEntryTotal represents the total number of dynamic services that are supported on this FP. When the value of tFPResDynSvcEntryTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResDynSvcEntryTotal will always equal to the sum of tFPResSubHostTotal, tFPResEncapGrpMemberTotal and tFPResEgrNetQGrpMapTotal since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAclEntryAlloc [Egr Acl Entry Alloc] (tFPResEgrAclEntryAlloc)	long	The value of tFPResEgrAclEntryAlloc represents the total number of egress ACL CAM entries that are currently allocated on this FP.
egrAclEntryTotal [Egr Acl Entry Total] (tFPResEgrAclEntryTotal)	long	The value of tFPResEgrAclEntryTotal represents the total number of egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclFilterAlloc [Egr Acl Filter Alloc] (tFPResEgrAclFilterAlloc)	long	The value of tFPResEgrAclFilterAlloc represents the total number of egress MAC + IP ACL filter policies that are currently allocated on this FP.
egrAclFilterTotal [Egr Acl Filter Total] (tFPResEgrAclFilterTotal)	long	The value of tFPResEgrAclFilterTotal represents the total number of egress MAC + IP ACL filter policies that are supported on this FP. Note that on 7750 SR-c4/c12 the CPM enforced limit for the total number of ACL filter policies is lower than the value of this object.
egrAclQosEntryAlloc [Egr Acl Qos Entry Alloc] (tFPResEgrAclQosEntryAlloc)	long	The value of tFPResEgrAclQosEntryAlloc represents the total number of combined egress ACL and QoS CAM entries that are currently allocated on this FP.
egrAclQosEntryTotal [Egr Acl Qos Entry Total] (tFPResEgrAclQosEntryTotal)	long	The value of tFPResEgrAclQosEntryTotal represents the total number of combined egress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResEgrAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6AclEntryAlloc [Egr IPv 6 Acl Entry Alloc] (tFPResEgrIPv6AclEntryAlloc)	long	The value of tFPResEgrIPv6AclEntryAlloc represents the total number of IPv6 egress ACL CAM entries that are currently allocated on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrIPv6AclEntryTotal [Egr IPv 6 Acl Entry Total] (tFPResEgrIPv6AclEntryTotal)	long	The value of tFPResEgrIPv6AclEntryTotal represents the total number of IPv6 egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6QosEntryAlloc [Egr IPv 6 Qos Entry Alloc] (tFPResEgrIPv6QosEntryAlloc)	long	The value of tFPResEgrIPv6QosEntryAlloc represents the total number of IPv6 egress QoS CAM entries that are currently allocated on this FP.
egrIPv6QosEntryTotal [Egr IPv 6 Qos Entry Total] (tFPResEgrIPv6QosEntryTotal)	long	The value of tFPResEgrIPv6QosEntryTotal represents the total number of IPv6 egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrNetQGrpMapAlloc [Egr Net QGrp Map Alloc] (tFPResEgrNetQGrpMapAlloc)	long	The value of tFPResEgrNetQGrpMapAlloc represents the total number of egress network queue-group mappings that are currently allocated on this FP. The value of tFPResEgrNetQGrpMapAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since egress network queue-group mappings are subset of dynamic service entry resources.
egrNetQGrpMapTotal [Egr Net QGrp Map Total] (tFPResEgrNetQGrpMapTotal)	long	The value of tFPResEgrNetQGrpMapTotal represents the total number of egress network queue-group mappings that are supported on this FP. When the value of tFPResEgrNetQGrpMapTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEgrNetQGrpMapTotal will always be less than or equal to tFPResDynSvcEntryTotal since egress network queue-group mappings are subset of dynamic service entry resources.
egrPolicerAlloc [Egr Policer Alloc] (tFPResEgrPolicerAlloc)	long	The value of tFPResEgrPolicerAlloc represents the total number of egress policers that are currently allocated on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrPolicerStatAlloc [Egr Policer Stat Alloc] (tFPResEgrPolicerStatAlloc)	long	The value of tFPResEgrPolicerStatAlloc represents the total number of egress policer stats that are currently allocated on this FP.
egrPolicerStatTotal [Egr Policer Stat Total] (tFPResEgrPolicerStatTotal)	long	The value of tFPResEgrPolicerStatTotal represents the total number of egress policer stats that are supported on this FP. When the value of tFPResEgrPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
egrPolicerTotal [Egr Policer Total] (tFPResEgrPolicerTotal)	long	The value of tFPResEgrPolicerTotal represents the total number of egress policers that are supported on this FP. When the value of tFPResEgrPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
egrQ1NamedPoolAlloc [Egr Q1 Named Pool Alloc] (tFPResEgrQ1NamedPoolAlloc)	long	The value of tFPResEgrQ1NamedPoolAlloc represents the total number of egress Q1 named pools that are currently allocated on this FP.
egrQ1NamedPoolTotal [Egr Q1 Named Pool Total] (tFPResEgrQ1NamedPoolTotal)	long	The value of tFPResEgrQ1NamedPoolTotal represents the total number of egress Q1 named pools that are supported on this FP. When the value of tFPResEgrQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
egrQosEntryAlloc [Egr Qos Entry Alloc] (tFPResEgrQosEntryAlloc)	long	The value of tFPResEgrQosEntryAlloc represents the total number of egress QoS CAM entries that are currently allocated on this FP.
egrQosEntryTotal [Egr Qos Entry Total] (tFPResEgrQosEntryTotal)	long	The value of tFPResEgrQosEntryTotal represents the total number of egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrQueueAlloc [Egr Queue Alloc] (tFPResEgrQueueAlloc)	long	The value of tFPResEgrQueueAlloc represents the total number of egress queues that are currently allocated on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQueueTotal [Egr Queue Total] (tFPResEgrQueueTotal)	long	The value of tFPResEgrQueueTotal represents the total number of egress queues that are supported on this FP. When the value of tFPResEgrQueueTotal is zero, it indicates that this resource type is not supported on this FP.
egrRootArbiterAlloc [Egr Root Arbiter Alloc] (tFPResEgrRootArbiterAlloc)	long	The value of tFPResEgrRootArbiterAlloc represents the total number of egress root arbiters that are currently allocated on this FP.
egrRootArbiterTotal [Egr Root Arbiter Total] (tFPResEgrRootArbiterTotal)	long	The value of tFPResEgrRootArbiterTotal represents the total number of egress root arbiters that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
encapGrpMemberAlloc [Encap Grp Member Alloc] (tFPResEncapGrpMemberAlloc)	long	The value of tFPResEncapGrpMemberAlloc represents the total number of encap group members that are currently allocated on this FP. The value of tFPResEncapGrpMemberAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since encap group members are subset of dynamic service entry resources.
encapGrpMemberTotal [Encap Grp Member Total] (tFPResEncapGrpMemberTotal)	long	The value of tFPResEncapGrpMemberTotal represents the total number of encap group members that are supported on this FP. When the value of tFPResEncapGrpMemberTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEncapGrpMemberTotal will always be less than or equal to tFPResDynSvcEntryTotal since encap group members are subset of dynamic service entry resources.
ingAclEntryAlloc [Ing Acl Entry Alloc] (tFPResIngAclEntryAlloc)	long	The value of tFPResIngAclEntryAlloc represents the total number of ingress ACL CAM entries that are currently allocated on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingAclEntryTotal [Ing Acl Entry Total] (tFPResIngAclEntryTotal)	long	The value of tFPResIngAclEntryTotal represents the total number of ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclFilterAlloc [Ing Acl Filter Alloc] (tFPResIngAclFilterAlloc)	long	The value of tFPResIngAclFilterAlloc represents the total number of ingress MAC + IP ACL filter policies that are currently allocated on this FP.
ingAclFilterTotal [Ing Acl Filter Total] (tFPResIngAclFilterTotal)	long	The value of tFPResIngAclFilterTotal represents the total number of ingress MAC + IP ACL filter policies that are supported on this FP. Note that on 7750 SR-c4/c12 the CPM enforced limit for the total number of ACL filter policies is lower than the value of this object.
ingAclQosEntryAlloc [Ing Acl Qos Entry Alloc] (tFPResIngAclQosEntryAlloc)	long	The value of tFPResIngAclQosEntryAlloc represents the total number of combined ingress ACL and QoS CAM entries that are currently allocated on this FP.
ingAclQosEntryTotal [Ing Acl Qos Entry Total] (tFPResIngAclQosEntryTotal)	long	The value of tFPResIngAclQosEntryTotal represents the total number of combined ingress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResIngAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6AclEntryAlloc [Ing IPv 6 Acl Entry Alloc] (tFPResIngIPv6AclEntryAlloc)	long	The value of tFPResIngIPv6AclEntryAlloc represents the total number of IPv6 ingress ACL CAM entries that are currently allocated on this FP.
ingIPv6AclEntryTotal [Ing IPv 6 Acl Entry Total] (tFPResIngIPv6AclEntryTotal)	long	The value of tFPResIngIPv6AclEntryTotal represents the total number of IPv6 ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingIPv6QosEntryAlloc [Ing IPv 6 Qos Entry Alloc] (tFPResIngIPv6QosEntryAlloc)	long	The value of tFPResIngIPv6QosEntryAlloc represents the total number of IPv6 ingress QoS CAM entries that are currently allocated on this FP.
ingIPv6QosEntryTotal [Ing IPv 6 Qos Entry Total] (tFPResIngIPv6QosEntryTotal)	long	The value of tFPResIngIPv6QosEntryTotal represents the total number of IPv6 ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerAlloc [Ing Policer Alloc] (tFPResIngPolicerAlloc)	long	The value of tFPResIngPolicerAlloc represents the total number of ingress policers that are currently allocated on this FP.
ingPolicerStatAlloc [Ing Policer Stat Alloc] (tFPResIngPolicerStatAlloc)	long	The value of tFPResIngPolicerStatAlloc represents the total number of ingress policer stats that are currently allocated on this FP.
ingPolicerStatTotal [Ing Policer Stat Total] (tFPResIngPolicerStatTotal)	long	The value of tFPResIngPolicerStatTotal represents the total number of ingress policer stats that are supported on this FP. When the value of tFPResIngPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerTotal [Ing Policer Total] (tFPResIngPolicerTotal)	long	The value of tFPResIngPolicerTotal represents the total number of ingress policers that are supported on this FP. When the value of tFPResIngPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
ingQ1NamedPoolAlloc [Ing Q1 Named Pool Alloc] (tFPResIngQ1NamedPoolAlloc)	long	The value of tFPResIngQ1NamedPoolAlloc represents the total number of ingress Q1 named pools that are currently allocated on this FP.
ingQ1NamedPoolTotal [Ing Q1 Named Pool Total] (tFPResIngQ1NamedPoolTotal)	long	The value of tFPResIngQ1NamedPoolTotal represents the total number of ingress Q1 named pools that are supported on this FP. When the value of tFPResIngQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQosEntryAlloc [Ing Qos Entry Alloc] (tFPResIngQosEntryAlloc)	long	The value of tFPResIngQosEntryAlloc represents the total number of ingress QoS CAM entries that are currently allocated on this FP.
ingQosEntryTotal [Ing Qos Entry Total] (tFPResIngQosEntryTotal)	long	The value of tFPResIngQosEntryTotal represents the total number of ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingQueueAlloc [Ing Queue Alloc] (tFPResIngQueueAlloc)	long	The value of tFPResIngQueueAlloc represents the total number of ingress queues that are currently allocated on this FP.
ingQueueTotal [Ing Queue Total] (tFPResIngQueueTotal)	long	The value of tFPResIngQueueTotal represents the total number of ingress queues that are supported on this FP. When the value of tFPResIngQueueTotal is zero, it indicates that this resource type is not supported on this FP.
ingRootArbiterAlloc [Ing Root Arbiter Alloc] (tFPResIngRootArbiterAlloc)	long	The value of tFPResIngRootArbiterAlloc represents the total number of ingress root arbiters that are currently allocated on this FP.
ingRootArbiterTotal [Ing Root Arbiter Total] (tFPResIngRootArbiterTotal)	long	The value of tFPResIngRootArbiterTotal represents the total number of ingress root arbiters that are supported on this FP. When the value of tFPResIngRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
intArbiterAlloc [Int Arbiter Alloc] (tFPResIntArbiterAlloc)	long	The value of tFPResIntArbiterAlloc represents the total number of intermediate arbiters that are currently allocated on this FP.
intArbiterTotal [Int Arbiter Total] (tFPResIntArbiterTotal)	long	The value of tFPResIntArbiterTotal represents the total number of intermediate arbiters that are supported on this FP. When the value of tFPResIntArbiterTotal is zero, it indicates that this resource type is not supported on this FP.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
macFdbRecAlloc [Mac Fdb Rec Alloc] (tFPResMacFdbRecAlloc)	long	The value of tFPResMacFdbRecAlloc represents the total number of MAC Forwarding Data-Base (FDB) records that are currently allocated on this FP.
macFdbRecTotal [Mac Fdb Rec Total] (tFPResMacFdbRecTotal)	long	The value of tFPResMacFdbRecTotal represents the total number of MAC Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResMacFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
resRvplsFdbRecAlloc [Res Rvpls Fdb Rec Alloc] (tFPResResRvplsFdbRecAlloc)	long	The value of tFPResResRvplsFdbRecAlloc represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are currently allocated on this FP.
resRvplsFdbRecTotal [Res Rvpls Fdb Rec Total] (tFPResResRvplsFdbRecTotal)	long	The value of tFPResResRvplsFdbRecTotal represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResResRvplsFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tFPResSapIngQosPolAlloc)	long	The value of tFPResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently allocated on this FP.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tFPResSapIngQosPolTotal)	long	The value of tFPResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be in use on this FP.
subHostAlloc [Sub Host Alloc] (tFPResSubHostAlloc)	long	The value of tFPResSubHostAlloc represents the total number of subscriber hosts that are currently allocated on this FP. The value of tFPResSubHostAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since subscriber host resources are subset of dynamic service entry resources.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subHostTotal [Sub Host Total] (tFPResSubHostTotal)	long	The value of tFPResSubHostTotal represents the total number of subscriber hosts that are supported on this FP. When the value of tFPResSubHostTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResSubHostTotal will always be less than or equal to tFPResDynSvcEntryTotal since subscriber host resources are subset of dynamic service entry resources.
<p>FpDynamicEnforcementPcrStat MIB entry name: tmnxFpDcpDynEnfrcPcrStatEntry Entry description: The value of tmnxFpDcpDynEnfrcPcrStatEntry represents statistics information per forwarding plane for the dynamic enforcement policer. Table description (for tmnxFpDcpDynEnfrcPcrStatTable): The tmnxFpDcpDynEnfrcPcrStatTable has the statistics information of the dynamic enforcement policer per forwarding plane. Supports realtime plotting Supports scheduled collection Monitored class: equipment.ForwardingPlane</p>		
allocFailCount [Alloc Fail Count] (tmnxFpDcpDynPcrAllocFailCount)	long	The value of tmnxFpDcpDynPcrAllocFailCount indicated the number of times the system failed to allocate dynamic enforcement policers.
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hiWtrMrkHitCnt [Hi Wtr Mrk Hit Cnt] (tmnxFpDcpDynPlcrHiWtrMrkHitCnt)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkHitCnt indicates the maximum number of dynamic enforcement policers in use at any point of time.
hiWtrMrkTime [Hi Wtr Mrk Time] (tmnxFpDcpDynPlcrHiWtrMrkTime)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkTime indicates the time at which maximum number of dynamic enforcement policers was hit.
inUse [In Use] (tmnxFpDcpDynPlcrInUse)	long	The value of tmnxFpDcpDynPlcrInUse indicated the number of dynamic enforcement policers currently in use by the system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IngressPortFwdEngDropReasonStats</p> <p>MIB entry name: tPortIngressFwdEngDRStatsEntry</p> <p>Entry description: The value of tPortIngressFwdEngDRStatsEntry specifies per-reason drop statistics on each port for the packets dropped by the forwarding engine.</p> <p>Table description (for tPortIngressFwdEngDRStatsTable): The value of tPortIngressFwdEngDRStatsTable specifies per-reason drop statistics on each port for the packets dropped by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
aclFilterDiscards [Acl Filter Discards] (tFwdEngDRACLFilterDiscards)	java. math. BigInteger	The value of tFwdEngDRACLFilterDiscards indicates the total number of packets dropped by forwarding engine due to packets dropped by ACL filter on the line card. This does not include packets dropped by CPM filters or ESM antispoof filters.
bfdSpoofCheckFailed [Bfd Spoof Check Failed] (tFwdEngDRBFDSpoofChkFailed)	java. math. BigInteger	The value of tFwdEngDRBFDSpoofChkFailed indicates the total number of packets dropped by forwarding engine due to the received BFD packet either failed the TTL check or failed the source IP address lookup of known sessions.
ipRouteBlackHoled [Ip Route Black Holed] (tFwdEngDRIpRouteBlackHoled)	java. math. BigInteger	The value of tFwdEngDRIpRouteBlackHoled indicates the total number of packets dropped by forwarding engine due to IP address of the packet matching a black hole route.
ipv4HeaderErr [Ipv 4 Header Err] (tFwdEngDRIpv4HeaderError)	java. math. BigInteger	The value of tFwdEngDRIpv4HeaderError indicates the total number of packets dropped by forwarding engine due an error in the IPv4 packet header such as an IPv4 header checksum error, an invalid IP version number (not IPv4 or IPv6) or an incorrect Total Length field.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4InvalidAddr [Ipv 4 Invalid Addr] (tFwdEngDRIpv4InvalidAddress)	java. math. BigInteger	The value of tFwdEngDRIpv4InvalidAddress indicates the total number of packets dropped by forwarding engine due to an error in source (SA) or destination (DA) IPv4 address. Some examples include class D or class E IPv4 DAs, loopback SA (127.0.0.0/8), 0.0.0.0/8 DA, SA is a subnet broadcast or network address, and non-IP traffic arriving on an IP interface that is not a valid L2 protocol for that interface (valid protocols may include ARP, ISIS and PPP control), and cases where the IPv4 address is a multicast address but the ethernet destination address is not RFC1112 compliant. RFC1112 checks are also carried out on IPIPE traffic.
ipv6HeaderErr [Ipv 6 Header Err] (tFwdEngDRIpv6HeaderError)	java. math. BigInteger	The value of tFwdEngDRIpv6HeaderError indicates the total number of packets dropped by forwarding engine due to an error in the IPv6 packet header such as an incorrect payload length field or an IP version not equal to 'IPv6' when the ethernet etype or PPP ID indicates it is IPv6.
ipv6InvalidAddr [Ipv 6 Invalid Addr] (tFwdEngDRIpv6InvalidAddress)	java. math. BigInteger	The value of tFwdEngDRIpv6InvalidAddress indicates the total number of packets dropped by forwarding engine due to error in source (SA) or destination (DA) IPv6 addresses. Some examples include an unspecified IPv6 DA, an IPv6 multicast SA, non-IP traffic arriving on an IP interface or into an IPIPE service that is not a valid L2 protocol for that interface (valid protocols may include ARP, ISIS and PPP control), and cases where the IPv6 address is a multicast address but the ethernet destination address is not RFC2464 compliant. RFC 2464 checks are also carried out on IPIPE traffic.
l2ServiceMTUExceeded [L2 Service MTUExceeded] (tFwdEngDRL2ServiceMTUExceed)	java. math. BigInteger	The value of tFwdEngDRL2ServiceMTUExceed indicates the total number of packets dropped by forwarding engine due to the length of the packet received on a SAP bound to a Layer 2 service (e.g. VPLS, Epipe) exceeded the configured MTU for the service.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multicastMACWithUnicastDestIP [Multicast MACWith Unicast Dest IP] (tFwdEngDRMcastMACUnicastDstIp)	java. math. BigInteger	The value of tFwdEngDRMcastMACUnicastDstIp indicates the total number of packets dropped by forwarding engine due to the destination MAC address being multicast but the IP address is unicast.
needsICMP [Needs ICMP] (tFwdEngDRNeedsICMP)	java. math. BigInteger	The value of tFwdEngDRNeedsICMP indicates the total number of packets dropped by forwarding engine and the received packet requires the router to generate an ICMP message. Some examples include when the IP packet TTL is expired or the destination host, network or Enhanced Subscriber Management (ESM) subscriber is unreachable. Host unreachable can occur, amongst other reasons, if the destination address (e.g. 10.0.1.2) of a packet resolves to a loopback interface subnet (e.g. 10.0.1.1/24) but doesn't match the specific loopback address (e.g. 10.0.1.1). Destination unreachable can also occur, for example, in response to an IPv6 packet received by a router from a point-to-point link (e.g. a non-ethernet link) destined to an address within a subnet assigned to that same link (other than one of the receiving router's own addresses) as described in RFC 4443.
unicastMACDestnAddrMismatch [Unicast MACDestn Addr Mismatch] (tFwdEngDRUcastMACDstAddMismatch)	java. math. BigInteger	The value of tFwdEngDRUcastMACDstAddMismatch indicates the total number of packets dropped by forwarding engine due to the unicast destination MAC address not being present or when it does not match any of the expected MAC addresses associated with the receiving interface. Packets with multicast or broadcast MAC addresses do not increment this counter.
unicastRPFCheckFailed [Unicast RPFCheck Failed] (tFwdEngDRUcastRPFChkFailed)	java. math. BigInteger	The value of tFwdEngDRUcastRPFChkFailed indicates the total number of packets dropped by forwarding engine due to IP packet failed the unicast reverse path forwarding (uRPF) check.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownMACDestnAddrDiscardedInVPLS [Unknown MACDestn Addr Discarded In VPLS] (tFwdEngDRUnkwnMACDstAddDscrd- VPLS)	java. math. BigInte- ger	The value of tFwdEngDRUnkwnMACDstAddDscrdVPLS indicates the total number of packets dropped by forwarding engine due to the destination MAC address lookup in the MAC FIB failed and the VPLS service is configured to discard packets with unknown destination MAC addresses.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPoli- cyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
<p>LaneDDMStats</p> <p>MIB entry name: tmnxDDMLaneEntry</p> <p>Entry description: Each row represents a particular multi-lane optic that supports Digital Diagnostic Monitoring Lanes. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDDMLaneTable): The tmnxDDMLaneTable has an entry for each multi-lane optic in the system that supports Lane Digital Diagnostic Monitoring (DDM). The table is indexed by tmnxPortPortID and tmnxDDMLaneId. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable multi-lane optics. Some example multi-lane optics are : CFP, CFP2, CFP4, QSFP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.LaneDDM</p>		
rxOpticalPower [Rx Optical Power] (tmnxDDMLaneRxOpticalPower)	float	The value of tmnxDDMLaneRxOpticalPower indicates the current Received Optical Power of the multi-lane optic in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMLaneRxOpticalPowerType)	int	The value of tmnxDDMLaneRxOpticalPowerType indicates whether the tmnxDDMLaneRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMLaneTemperature)	float	The value of tmnxDDMLaneTemperature indicates the current temperature of the multi-lane optic in 1/256th degrees Celsius. The formula for translating between the value of tmnxDDMLaneTemperature and degrees Celsius is: $\text{tmnxDDMLaneTemperature} / 256$ For example: The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMLaneTxBiasCurrent)	float	The value of tmnxDDMLaneTxBiasCurrent indicates the current Transmit Bias Current of the multi-lane optic in 1/500 milliamperes (mA). The formula for translating between the value of tmnxDDMLaneTxBiasCurrent and amperes is: $\text{tmnxDDMLaneTxBiasCurrent} / 500$ For example: The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMLaneTxOutputPower)	float	The value of tmnxDDMLaneTxOutputPower indicates the current Output Power of the multi-lane optic in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
<p>MDAResourceStats</p> <p>MIB entry name: tMDAResEntry</p> <p>Entry description: The value of tMDAResEntry represents MDA specific system resource information.</p> <p>Table description (for tMDAResTable): The value of tMDAResTable represents system resource information that are specific to MDA for a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCardSlot</p>		
egrHsmdaQGrpAlloc [Egr Hsmda QGrp Alloc] (tMDAResEgrHsmdaQGrpAlloc)	long	The value of tMDAResEgrHsmdaQGrpAlloc represents the total number of egress HSMDA queue-groups that are currently allocated on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrHsmdaQGrpTotal [Egr Hsmda QGrp Total] (tMDAResEgrHsmdaQGrpTotal)	long	The value of tMDAResEgrHsmdaQGrpTotal represents the total number of egress HSMDA queue-groups that are supported on this MDA. When the value of tMDAResEgrHsmdaQGrpTotal is zero, it indicates that this resource type is not supported on this MDA.
egrHsmdaSecShaperAlloc [Egr Hsmda Sec Shaper Alloc] (tMDAResEgrHsmdaSecShaperAlloc)	long	The value of tMDAResEgrHsmdaSecShaperAlloc represents the total number of egress HSMDA secondary-shapers that are currently allocated on this MDA.
egrHsmdaSecShaperTotal [Egr Hsmda Sec Shaper Total] (tMDAResEgrHsmdaSecShaperTotal)	long	The value of tMDAResEgrHsmdaSecShaperTotal represents the total number of egress HSMDA secondary-shapers that are supported on this MDA. When the value of tMDAResEgrHsmdaSecShaperTotal is zero, it indicates that this resource type is not supported on this MDA.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHighCapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUCastHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MemoryUtilizationStats</p> <p>MIB entry name: tmnxCardMemResMonitorEntry</p> <p>Entry description: The tmnxCardMemResMonitorEntry contains the card's memory usage statistics.</p> <p>Table description (for tmnxCardMemResMonitorTable): The tmnxCardMemResMonitorTable details the specified current card's memory resources. The information described in this table is volatile and dependent on the current environmental conditions. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
memoryAvailable [Memory Available] (tmnxCardMemResMemoryAvailable)	long	The value of tmnxCardMemResMemoryAvailable indicates the amount of free memory, in kilobytes, in the card that is not allocated to memory pools, but is available in case a memory pool needs to grow.
memoryUsed [Memory Used] (tmnxCardMemResMemoryUsed)	long	The value of tmnxCardMemResMemoryUsed indicates the total pre-allocated pool memory, in kilobytes, currently in use on the card.
poolsAllocated [Pools Allocated] (tmnxCardMemResPoolsAllocated)	long	The value of tmnxCardMemResPoolsAllocated indicates the total memory, in kilobytes, currently allocated in memory-pools on the card. This memory may or may not be currently in use, but is pre-allocated should the software need to use it.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressAggregateStats</p> <p>MIB entry name: tmnxPortEgrAggStatsEntry</p> <p>Entry description: The value of tmnxPortEgrAggStatsEntry specifies Aggregate Egress traffic statistics for the ports. This entry is created for all the ports that has the value of tmnxPortMonitorAggEgrQueueStats being set to 'enabled (1)'.</p> <p>Table description (for tmnxPortEgrAggStatsTable): The value of tmnxPortEgrAggStatsTable specifies Aggregate Egress traffic statistics for the ports.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
portEgrAggDropInProfOcts [Port Egr Agg Drop In Prof Octs] (tmnxPortEgrAggDropInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggDropInProfOcts indicates the number of conforming aggregate egress octets dropped on this port.
portEgrAggDropInProfPkts [Port Egr Agg Drop In Prof Pkts] (tmnxPortEgrAggDropInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggDropInProfPkts indicates the number of conforming aggregate egress packets dropped on this port.
portEgrAggDropOutProfOcts [Port Egr Agg Drop Out Prof Octs] (tmnxPortEgrAggDropOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggDropOutProfOcts indicates the number of exceeding aggregate egress octets dropped on this port.
portEgrAggDropOutProfPkts [Port Egr Agg Drop Out Prof Pkts] (tmnxPortEgrAggDropOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggDropOutProfPkts indicates the number of exceeding aggregate egress packets dropped on this port.
portEgrAggFwdInProfOcts [Port Egr Agg Fwd In Prof Octs] (tmnxPortEgrAggFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdInProfOcts indicates the number of conforming aggregate egress octets forwarded on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrAggFwdInProfPkts [Port Egr Agg Fwd In Prof Pkts] (tmnxPortEgrAggFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdInProfPkts indicates the number of conforming aggregate egress packets forwarded on this port.
portEgrAggFwdOutProfOcts [Port Egr Agg Fwd Out Prof Octs] (tmnxPortEgrAggFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdOutProfOcts indicates the number of exceeding aggregate egress octets forwarded on this port.
portEgrAggFwdOutProfPkts [Port Egr Agg Fwd Out Prof Pkts] (tmnxPortEgrAggFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdOutProfPkts indicates the number of exceeding aggregate egress packets forwarded on this port.
<p>PortEgressMonitorThresholdStats MIB entry name: tPortEgrMonThrEntry Entry description: The value of tPortEgrMonThrEntry represents threshold monitoring information for port scheduler policy specified by tmnxPortEgrPortSchedPlcy for each ethernet egress port when the value of tmnxPortEgrMonitorPortSched is set to 'enabled (1)'. Table description (for tPortEgrMonThrTable): The value of tPortEgrMonThrTable contains port scheduler policy's threshold monitoring information for each ethernet egress port when the value of tmnxPortEgrMonitorPortSched is set to 'enabled (1)'. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
egrMonThrEndTime [Egr Mon Thr End Time] (tPortEgrMonThrEndTime)	long	The value of tPortEgrMonThrEndTime represents the end time for threshold monitoring.
egrMonThrGrp1ExceedCnt [Egr Mon Thr Grp 1 Exceed Cnt] (tPortEgrMonThrGrp1ExceedCnt)	long	The value of tPortEgrMonThrGrp1ExceedCnt represents the exceed count for group 1 specified by tPortEgrMonThrGrp1Name.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrGrp1Name [Egr Mon Thr Grp 1 Name] (tPortEgrMonThrGrp1Name)	String	The value of tPortEgrMonThrGrp1Name represents port scheduler policy's group name.
egrMonThrGrp2ExceedCnt [Egr Mon Thr Grp 2 Exceed Cnt] (tPortEgrMonThrGrp2ExceedCnt)	long	The value of tPortEgrMonThrGrp2ExceedCnt represents the exceed count for group 2 specified by tPortEgrMonThrGrp2Name.
egrMonThrGrp2Name [Egr Mon Thr Grp 2 Name] (tPortEgrMonThrGrp2Name)	String	The value of tPortEgrMonThrGrp2Name represents port scheduler policy's group name.
egrMonThrGrp3ExceedCnt [Egr Mon Thr Grp 3 Exceed Cnt] (tPortEgrMonThrGrp3ExceedCnt)	long	The value of tPortEgrMonThrGrp3ExceedCnt represents the exceed count for group 3 specified by tPortEgrMonThrGrp3Name.
egrMonThrGrp3Name [Egr Mon Thr Grp 3 Name] (tPortEgrMonThrGrp3Name)	String	The value of tPortEgrMonThrGrp3Name represents port scheduler policy's group name.
egrMonThrGrp4ExceedCnt [Egr Mon Thr Grp 4 Exceed Cnt] (tPortEgrMonThrGrp4ExceedCnt)	long	The value of tPortEgrMonThrGrp4ExceedCnt represents the exceed count for group 4 specified by tPortEgrMonThrGrp4Name.
egrMonThrGrp4Name [Egr Mon Thr Grp 4 Name] (tPortEgrMonThrGrp4Name)	String	The value of tPortEgrMonThrGrp4Name represents port scheduler policy's group name.
egrMonThrGrp5ExceedCnt [Egr Mon Thr Grp 5 Exceed Cnt] (tPortEgrMonThrGrp5ExceedCnt)	long	The value of tPortEgrMonThrGrp5ExceedCnt represents the exceed count for group 5 specified by tPortEgrMonThrGrp5Name.
egrMonThrGrp5Name [Egr Mon Thr Grp 5 Name] (tPortEgrMonThrGrp5Name)	String	The value of tPortEgrMonThrGrp5Name represents port scheduler policy's group name.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrGrp6ExceedCnt [Egr Mon Thr Grp 6 Exceed Cnt] (tPortEgrMonThrGrp6ExceedCnt)	long	The value of tPortEgrMonThrGrp6ExceedCnt represents the exceed count for group 6 specified by tPortEgrMonThrGrp6Name.
egrMonThrGrp6Name [Egr Mon Thr Grp 6 Name] (tPortEgrMonThrGrp6Name)	String	The value of tPortEgrMonThrGrp6Name represents port scheduler policy's group name.
egrMonThrGrp7ExceedCnt [Egr Mon Thr Grp 7 Exceed Cnt] (tPortEgrMonThrGrp7ExceedCnt)	long	The value of tPortEgrMonThrGrp7ExceedCnt represents the exceed count for group 7 specified by tPortEgrMonThrGrp7Name.
egrMonThrGrp7Name [Egr Mon Thr Grp 7 Name] (tPortEgrMonThrGrp7Name)	String	The value of tPortEgrMonThrGrp7Name represents port scheduler policy's group name.
egrMonThrGrp8ExceedCnt [Egr Mon Thr Grp 8 Exceed Cnt] (tPortEgrMonThrGrp8ExceedCnt)	long	The value of tPortEgrMonThrGrp8ExceedCnt represents the exceed count for group 8 specified by tPortEgrMonThrGrp8Name.
egrMonThrGrp8Name [Egr Mon Thr Grp 8 Name] (tPortEgrMonThrGrp8Name)	String	The value of tPortEgrMonThrGrp8Name represents port scheduler policy's group name.
egrMonThrLvl1ExceedCnt [Egr Mon Thr Lvl 1 Exceed Cnt] (tPortEgrMonThrLvl1ExceedCnt)	long	The value of tPortEgrMonThrLvl1ExceedCnt represents the exceed count for priority level 1.
egrMonThrLvl2ExceedCnt [Egr Mon Thr Lvl 2 Exceed Cnt] (tPortEgrMonThrLvl2ExceedCnt)	long	The value of tPortEgrMonThrLvl2ExceedCnt represents the exceed count for priority level 2.
egrMonThrLvl3ExceedCnt [Egr Mon Thr Lvl 3 Exceed Cnt] (tPortEgrMonThrLvl3ExceedCnt)	long	The value of tPortEgrMonThrLvl3ExceedCnt represents the exceed count for priority level 3.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrLvl4ExceedCnt [Egr Mon Thr Lvl 4 Exceed Cnt] (tPortEgrMonThrLvl4ExceedCnt)	long	The value of tPortEgrMonThrLvl4ExceedCnt represents the exceed count for priority level 4.
egrMonThrLvl5ExceedCnt [Egr Mon Thr Lvl 5 Exceed Cnt] (tPortEgrMonThrLvl5ExceedCnt)	long	The value of tPortEgrMonThrLvl5ExceedCnt represents the exceed count for priority level 5.
egrMonThrLvl6ExceedCnt [Egr Mon Thr Lvl 6 Exceed Cnt] (tPortEgrMonThrLvl6ExceedCnt)	long	The value of tPortEgrMonThrLvl6ExceedCnt represents the exceed count for priority level 6.
egrMonThrLvl7ExceedCnt [Egr Mon Thr Lvl 7 Exceed Cnt] (tPortEgrMonThrLvl7ExceedCnt)	long	The value of tPortEgrMonThrLvl7ExceedCnt represents the exceed count for priority level 7.
egrMonThrLvl8ExceedCnt [Egr Mon Thr Lvl 8 Exceed Cnt] (tPortEgrMonThrLvl8ExceedCnt)	long	The value of tPortEgrMonThrLvl8ExceedCnt represents the exceed count for priority level 8.
egrMonThrPortExceedCnt [Egr Mon Thr Port Exceed Cnt] (tPortEgrMonThrPortExceedCnt)	long	The value of tPortEgrMonThrPortExceedCnt represents the exceed count for egress port scheduler.
egrMonThrStartTime [Egr Mon Thr Start Time] (tPortEgrMonThrStartTime)	long	The value of tPortEgrMonThrStartTime represents the start time for threshold monitoring.
egrMonThrTotalSamples [Egr Mon Thr Total Samples] (tPortEgrMonThrTotalSamples)	long	The value of tPortEgrMonThrTotalSamples represents total samples collected during the threshold monitoring interval.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats MIB entry name: tmnxBundleMemberImaEntry Entry description: Each row entry represents an IMA link associated with an IMA Group. Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group. Supports realtime plotting Supports scheduled collection Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipMdaStats</p> <p>MIB entry name: tmnxSubMgmtMdaStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a MDA on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtMdaStatsTable): The tmnxSubMgmtMdaStatsTable has an entry with statistics for each MDA on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCard</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtMdaSSubscribers)	long	The value of tmnxSubMgmtMdaSSubscribers indicates the number of current subscribers on this MDA.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtMdaSSubscribersPeak)	long	The value of tmnxSubMgmtMdaSSubscribersPeak indicates the peak number of subscribers on this MDA.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtMdaSV4AaaTrig)	long	The value of tmnxSubMgmtMdaSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this MDA.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtMdaSV4AaaTrigPeak)	long	The value of tmnxSubMgmtMdaSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this MDA.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtMdaSV4DataTrig)	long	The value of tmnxSubMgmtMdaSV4DataTrig indicates the number of current V4 data-triggered hosts on this MDA.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtMdaSV4DataTrigPeak)	long	The value of tmnxSubMgmtMdaSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtMdaSV6DataTrig)	long	The value of tmnxSubMgmtMdaSV6DataTrig indicates the number of current V6 data-triggered hosts on this MDA.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtMdaSV6DataTrigMr)	long	The value of tmnxSubMgmtMdaSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this MDA.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtMdaSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtMdaSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this MDA.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtMdaSV6DataTrigPd)	long	The value of tmnxSubMgmtMdaSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this MDA.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtMdaSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtMdaSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this MDA.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtMdaSV6DataTrigPeak)	long	The value of tmnxSubMgmtMdaSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this MDA.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtMdaSIpoeHosts)	long	The value of tmnxSubMgmtMdaSIpoeHosts indicates the number of current IPOE hosts on this MDA.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtMdaSIpoeHostsPeak)	long	The value of tmnxSubMgmtMdaSIpoeHostsPeak indicates the peak number of IPOE hosts on this MDA.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtMdaSV4)	long	The value of tmnxSubMgmtMdaSV4 indicates the number of current V4 hosts on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtMdaSV4Peak)	long	The value of tmnxSubMgmtMdaSV4Peak indicates the peak number of V4 hosts on this MDA.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtMdaSArp)	long	The value of tmnxSubMgmtMdaSArp indicates the number of current IPOE hosts (ARP) on this MDA.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtMdaSArpPeak)	long	The value of tmnxSubMgmtMdaSArpPeak indicates the peak number of IPOE hosts (ARP) on this MDA.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtMdaSDhcpBsm)	long	The value of tmnxSubMgmtMdaSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this MDA.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtMdaSDhcpBsmAs)	long	The value of tmnxSubMgmtMdaSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this MDA.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtMdaSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtMdaSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this MDA.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtMdaSDhcpBsmPeak)	long	The value of tmnxSubMgmtMdaSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this MDA.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtMdaSDhcp)	long	The value of tmnxSubMgmtMdaSDhcp indicates the number of current IPOE hosts (DHCP) on this MDA.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtMdaSDhcpPeak)	long	The value of tmnxSubMgmtMdaSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtMdaSIpcp)	long	The value of tmnxSubMgmtMdaSIpcp indicates the number of current PPP hosts (IPCP) on this MDA.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtMdaSIpcpPeak)	long	The value of tmnxSubMgmtMdaSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this MDA.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtMdaSL2tpHost)	long	The value of tmnxSubMgmtMdaSL2tpHost indicates the number of current L2TP hosts (LAC) on this MDA.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtMdaSL2tpHostPeak)	long	The value of tmnxSubMgmtMdaSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this MDA.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtMdaSNonSub)	long	The value of tmnxSubMgmtMdaSNonSub indicates the number of current Non Sub hosts on this MDA.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtMdaSNonSubPeak)	long	The value of tmnxSubMgmtMdaSNonSubPeak indicates the peak number of Non Sub hosts on this MDA.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtMdaSStaticBsm)	long	The value of tmnxSubMgmtMdaSStaticBsm indicates the number of current IPOE BSM static hosts on this MDA.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtMdaSStaticBsmAs)	long	The value of tmnxSubMgmtMdaSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this MDA.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtMdaSStaticBsmAsPeak)	long	The value of tmnxSubMgmtMdaSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtMdaSStaticBsmPeak)	long	The value of tmnxSubMgmtMdaSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this MDA.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtMdaSStatic)	long	The value of tmnxSubMgmtMdaSStatic indicates the number of current IPOE hosts (Static) on this MDA.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtMdaSStaticPeak)	long	The value of tmnxSubMgmtMdaSStaticPeak indicates the peak number of IPOE hosts (Static) on this MDA.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtMdaSTotDhcp)	long	The value of tmnxSubMgmtMdaSTotDhcp indicates the number of current DHCP hosts on this MDA.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtMdaSTotDhcpPeak)	long	The value of tmnxSubMgmtMdaSTotDhcpPeak indicates the peak number of DHCP hosts on this MDA.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtMdaSBsmDhcp6Na)	long	The value of tmnxSubMgmtMdaSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this MDA.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtMdaSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this MDA.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtMdaSBsmDhcp6Pd)	long	The value of tmnxSubMgmtMdaSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this MDA.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtMdaSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6Ipoedhcp6Mr [Ipv 6 Ipoedhcp 6 Mr] (tmnxSubMgmtMdaIpoedhcp6Mr)	long	The value of tmnxSubMgmtMdaIpoedhcp6Mr indicates the number of current IPOE PD Managed Routes on this MDA.
ipv6Ipoedhcp6MrPeak [Ipv 6 Ipoedhcp 6 Mr Peak] (tmnxSubMgmtMdaIpoedhcp6MrPeak)	long	The value of tmnxSubMgmtMdaIpoedhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this MDA.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtMdaIpoedhcp6Na)	long	The value of tmnxSubMgmtMdaIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this MDA.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtMdaIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this MDA.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtMdaIpoedhcp6Pd)	long	The value of tmnxSubMgmtMdaIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this MDA.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtMdaIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this MDA.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtMdaIpoeslaac)	long	The value of tmnxSubMgmtMdaIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this MDA.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtMdaIpoeslaacPeak)	long	The value of tmnxSubMgmtMdaIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this MDA.
ipv6IpoestaticPd [Ipv 6 Ipoestatic Pd] (tmnxSubMgmtMdaSV6StaticPd)	long	The value of tmnxSubMgmtMdaSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEStaticPdPeak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtMdaSV6StaticPdPeak)	long	The value of tmnxSubMgmtMdaSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this MDA.
ipv6IpoEStaticWan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtMdaSV6StaticWan)	long	The value of tmnxSubMgmtMdaSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this MDA.
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtMdaSV6StaticWanPeak)	long	The value of tmnxSubMgmtMdaSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this MDA.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtMdaSPppDhcp6Mr)	long	The value of tmnxSubMgmtMdaSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this MDA.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtMdaSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this MDA.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtMdaSPppDhcp6Na)	long	The value of tmnxSubMgmtMdaSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtMdaSPppDhcp6Pd)	long	The value of tmnxSubMgmtMdaSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this MDA.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtMdaSPppSlaac)	long	The value of tmnxSubMgmtMdaSPppSlaac indicates the number of current PPP hosts (SLAAC) on this MDA.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtMdaSPppSlaacPeak)	long	The value of tmnxSubMgmtMdaSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this MDA.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtMdaSTotDhcpV6)	long	The value of tmnxSubMgmtMdaSTotDhcpV6 indicates the number of current DHCPv6 hosts on this MDA.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtMdaSTotDhcpV6Peak)	long	The value of tmnxSubMgmtMdaSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this MDA.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtMdaSTotMngdRt)	long	The value of tmnxSubMgmtMdaSTotMngdRt indicates the number of current PD Managed Routes on this MDA.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtMdaSTotMngdRtPeak)	long	The value of tmnxSubMgmtMdaSTotMngdRtPeak indicates the peak number of PD Managed Routes on this MDA.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtMdaSV6)	long	The value of tmnxSubMgmtMdaSV6 indicates the number of current V6 hosts on this MDA.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtMdaSV6Peak)	long	The value of tmnxSubMgmtMdaSV6Peak indicates the peak number of V6 hosts on this MDA.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtMdaSTotal)	long	The value of tmnxSubMgmtMdaSTotal indicates the number of current total hosts on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtMdaSTotalPeak)	long	The value of tmnxSubMgmtMdaSTotalPeak indicates the peak number of total hosts on this MDA.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtMdaSPppHosts)	long	The value of tmnxSubMgmtMdaSPppHosts indicates the number of current PPP hosts on this MDA.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtMdaSPppHostsPeak)	long	The value of tmnxSubMgmtMdaSPppHostsPeak indicates the peak number of PPP hosts on this MDA.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtMdaSPppLacL2tp)	long	The value of tmnxSubMgmtMdaSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLacL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtMdaSPppLacOA)	long	The value of tmnxSubMgmtMdaSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtMdaSPppLacOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtMdaSPppLacOEOA)	long	The value of tmnxSubMgmtMdaSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtMdaSPppLacOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtMdaSPppLacOE)	long	The value of tmnxSubMgmtMdaSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtMdaSPppLacOEPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtMdaSPppLclL2tp)	long	The value of tmnxSubMgmtMdaSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLclL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtMdaSPppLclOA)	long	The value of tmnxSubMgmtMdaSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtMdaSPppLclOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtMdaSPppLclOEOA)	long	The value of tmnxSubMgmtMdaSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtMdaSPppLclOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtMdaSPppLclOE)	long	The value of tmnxSubMgmtMdaSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtMdaSPppLclOEPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this MDA.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtMdaSPppLclTotal)	long	The value of tmnxSubMgmtMdaSPppLclTotal indicates the total number of current locally terminated PPP sessions on this MDA.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtMdaSPppLclTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this MDA.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtMdaSPppSessIs)	long	The value of tmnxSubMgmtMdaSPppSessIs indicates the number of current PPP sessions in setup on this MDA.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtMdaSPppSessIsPeak)	long	The value of tmnxSubMgmtMdaSPppSessIsPeak indicates the peak number of PPP sessions in setup on this MDA.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtMdaSPppSessTotal)	long	The value of tmnxSubMgmtMdaSPppSessTotal indicates the total number of current PPP sessions established on this MDA.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtMdaSPppSessTotalPeak)	long	The value of tmnxSubMgmtMdaSPppSessTotalPeak indicates the total peak number of PPP sessions established on this MDA.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtMdaSPppLacTotal)	long	The value of tmnxSubMgmtMdaSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this MDA.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtMdaSPppLacTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalInternal [Total Internal] (tmnxSubMgmtMdaSTotInternal)	long	The value of tmnxSubMgmtMdaSTotInternal indicates the number of current internal hosts on this MDA.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtMdaSTotInternalPeak)	long	The value of tmnxSubMgmtMdaSTotInternalPeak indicates the peak number of internal hosts on this MDA.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtMdaSIpoesSesIs)	long	The value of tmnxSubMgmtMdaSIpoesSesIs indicates the number of current IPOE sessions in setup on this MDA.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtMdaSIpoesSesIsPeak)	long	The value of tmnxSubMgmtMdaSIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this MDA.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtMdaSIpoesSesTotal)	long	The value of tmnxSubMgmtMdaSIpoesSesTotal indicates the number of current IPOE sessions on this MDA.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtMdaSIpoesSesTotalPeak)	long	The value of tmnxSubMgmtMdaSIpoesSesTotalPeak indicates the peak number of IPOE sessions on this MDA.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipPortStats</p> <p>MIB entry name: tmnxSubMgmtPortStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a port on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtPortStatsTable): The tmnxSubMgmtPortStatsTable has an entry with statistics for each port on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface • pxc.PortCrossConnectSubPort 		
cardPortId [Card Port Id] (tmnxSubMgmtPortID)	long	tmnxSubMgmtPortID is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtPortSSubscribers)	long	The value of tmnxSubMgmtPortSSubscribers indicates the number of current subscribers on this port.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPortSSubscribersPeak)	long	The value of tmnxSubMgmtPortSSubscribersPeak indicates the peak number of subscribers on this port.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtPortSV4AaaTrig)	long	The value of tmnxSubMgmtPortSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this port.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtPortSV4AaaTrigPeak)	long	The value of tmnxSubMgmtPortSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtPortSV4DataTrig)	long	The value of tmnxSubMgmtPortSV4DataTrig indicates the number of current V4 data-triggered hosts on this port.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtPortSV4DataTrigPeak)	long	The value of tmnxSubMgmtPortSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this port.
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtPortSV6DataTrig)	long	The value of tmnxSubMgmtPortSV6DataTrig indicates the number of current V6 data-triggered hosts on this port.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtPortSV6DataTrigMr)	long	The value of tmnxSubMgmtPortSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this port.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtPortSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtPortSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this port.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtPortSV6DataTrigPd)	long	The value of tmnxSubMgmtPortSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this port.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtPortSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtPortSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this port.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtPortSV6DataTrigPeak)	long	The value of tmnxSubMgmtPortSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this port.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPortSIpoeHosts)	long	The value of tmnxSubMgmtPortSIpoeHosts indicates the number of current IPOE hosts on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPortSpoeHostsPeak)	long	The value of tmnxSubMgmtPortSpoeHostsPeak indicates the peak number of IPOE hosts on this port.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPortSV4)	long	The value of tmnxSubMgmtPortSV4 indicates the number of current V4 hosts on this port.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPortSV4Peak)	long	The value of tmnxSubMgmtPortSV4Peak indicates the peak number of V4 hosts on this port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPortSArp)	long	The value of tmnxSubMgmtPortSArp indicates the number of current IPOE hosts (ARP) on this port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPortSArpPeak)	long	The value of tmnxSubMgmtPortSArpPeak indicates the peak number of IPOE hosts (ARP) on this port.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtPortSDhcpBsm)	long	The value of tmnxSubMgmtPortSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this port.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtPortSDhcpBsmAs)	long	The value of tmnxSubMgmtPortSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this port.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtPortSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtPortSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this port.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtPortSDhcpBsmPeak)	long	The value of tmnxSubMgmtPortSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPortSDhcp)	long	The value of tmnxSubMgmtPortSDhcp indicates the number of current IPOE hosts (DHCP) on this port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPortSDhcpPeak)	long	The value of tmnxSubMgmtPortSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this port.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPortSIpcp)	long	The value of tmnxSubMgmtPortSIpcp indicates the number of current PPP hosts (IPCP) on this port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPortSIpcpPeak)	long	The value of tmnxSubMgmtPortSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPortSL2tpHost)	long	The value of tmnxSubMgmtPortSL2tpHost indicates the number of current L2TP hosts (LAC) on this port.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPortSL2tpHostPeak)	long	The value of tmnxSubMgmtPortSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPortSNonSub)	long	The value of tmnxSubMgmtPortSNonSub indicates the number of current Non Sub hosts on this port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPortSNonSubPeak)	long	The value of tmnxSubMgmtPortSNonSubPeak indicates the peak number of Non Sub hosts on this port.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtPortSStaticBsm)	long	The value of tmnxSubMgmtPortSStaticBsm indicates the number of current IPOE BSM static hosts on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtPortSStaticBsmAs)	long	The value of tmnxSubMgmtPortSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this port.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtPortSStaticBsmAsPeak)	long	The value of tmnxSubMgmtPortSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this port.
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtPortSStaticBsmPeak)	long	The value of tmnxSubMgmtPortSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPortSStatic)	long	The value of tmnxSubMgmtPortSStatic indicates the number of current IPOE hosts (Static) on this port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPortSStaticPeak)	long	The value of tmnxSubMgmtPortSStaticPeak indicates the peak number of IPOE hosts (Static) on this port.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtPortSTotDhcp)	long	The value of tmnxSubMgmtPortSTotDhcp indicates the number of current DHCP hosts on this port.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtPortSTotDhcpPeak)	long	The value of tmnxSubMgmtPortSTotDhcpPeak indicates the peak number of DHCP hosts on this port.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtPortSBsmDhcp6Na)	long	The value of tmnxSubMgmtPortSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this port.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtPortSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtPortSBsmDhcp6Pd)	long	The value of tmnxSubMgmtPortSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this port.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtPortSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this port.
ipv6Ipoedhcp6Mr [Ipv 6 Ipoedhcp 6 Mr] (tmnxSubMgmtPortSIpoedhcp6Mr)	long	The value of tmnxSubMgmtPortSIpoedhcp6Mr indicates the number of current IPOE PD Managed Routes on this port.
ipv6Ipoedhcp6MrPeak [Ipv 6 Ipoedhcp 6 Mr Peak] (tmnxSubMgmtPortSIpoedhcp6MrPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this port.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtPortSIpoedhcp6Na)	long	The value of tmnxSubMgmtPortSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this port.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this port.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtPortSIpoedhcp6Pd)	long	The value of tmnxSubMgmtPortSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this port.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this port.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtPortSIpoeslaac)	long	The value of tmnxSubMgmtPortSIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEslaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPortSIpoEslaacPeak)	long	The value of tmnxSubMgmtPortSIpoEslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this port.
ipv6IpoEStaticPd [Ipv 6 IpoE Static Pd] (tmnxSubMgmtPortSV6StaticPd)	long	The value of tmnxSubMgmtPortSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this port.
ipv6IpoEStaticPdPeak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtPortSV6StaticPdPeak)	long	The value of tmnxSubMgmtPortSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this port.
ipv6IpoEStaticWan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtPortSV6StaticWan)	long	The value of tmnxSubMgmtPortSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this port.
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtPortSV6StaticWanPeak)	long	The value of tmnxSubMgmtPortSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this port.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtPortSPppDhcp6Mr)	long	The value of tmnxSubMgmtPortSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this port.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtPortSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this port.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPortSPppSlaac)	long	The value of tmnxSubMgmtPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPortSPppSlaacPeak)	long	The value of tmnxSubMgmtPortSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this port.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtPortSTotDhcpV6)	long	The value of tmnxSubMgmtPortSTotDhcpV6 indicates the number of current DHCPv6 hosts on this port.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtPortSTotDhcpV6Peak)	long	The value of tmnxSubMgmtPortSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this port.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtPortSTotMngdRt)	long	The value of tmnxSubMgmtPortSTotMngdRt indicates the number of current PD Managed Routes on this port.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtPortSTotMngdRtPeak)	long	The value of tmnxSubMgmtPortSTotMngdRtPeak indicates the peak number of PD Managed Routes on this port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPortSV6)	long	The value of tmnxSubMgmtPortSV6 indicates the number of current V6 hosts on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPortSV6Peak)	long	The value of tmnxSubMgmtPortSV6Peak indicates the peak number of V6 hosts on this port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPortSTotal)	long	The value of tmnxSubMgmtPortSTotal indicates the number of current total hosts on this port.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPortSTotalPeak)	long	The value of tmnxSubMgmtPortSTotalPeak indicates the peak number of total hosts on this port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPortSPppHosts)	long	The value of tmnxSubMgmtPortSPppHosts indicates the number of current PPP hosts on this port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPortSPppHostsPeak)	long	The value of tmnxSubMgmtPortSPppHostsPeak indicates the peak number of PPP hosts on this port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPortSPppLacL2tp)	long	The value of tmnxSubMgmtPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPortSPppLacL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPortSPppLacOA)	long	The value of tmnxSubMgmtPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPortSPppLacOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPortSPppLacOEOA)	long	The value of tmnxSubMgmtPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPortSPppLacOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPortSPppLacOE)	long	The value of tmnxSubMgmtPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPortSPppLacOEPeak)	long	The value of tmnxSubMgmtPortSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPortSPppLclL2tp)	long	The value of tmnxSubMgmtPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPortSPppLclL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPortSPppLclOA)	long	The value of tmnxSubMgmtPortSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPortSPppLclOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPortSPppLclOEOA)	long	The value of tmnxSubMgmtPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPortSPppLclOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPortSPppLclOE)	long	The value of tmnxSubMgmtPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this port.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPortSPppLclOEPeak)	long	The value of tmnxSubMgmtPortSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPortSPppLclTotal)	long	The value of tmnxSubMgmtPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPortSPppLclTotalPeak)	long	The value of tmnxSubMgmtPortSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPortSPppSessIs)	long	The value of tmnxSubMgmtPortSPppSessIs indicates the number of current PPP sessions in setup on this port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPortSPppSessIsPeak)	long	The value of tmnxSubMgmtPortSPppSessIsPeak indicates the peak number of PPP sessions in setup on this port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPortSPppSessTotal)	long	The value of tmnxSubMgmtPortSPppSessTotal indicates the total number of current PPP sessions established on this port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPortSPppSessTotalPeak)	long	The value of tmnxSubMgmtPortSPppSessTotalPeak indicates the total peak number of PPP sessions established on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPortSPppLacTotal)	long	The value of tmnxSubMgmtPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPortSPppLacTotalPeak)	long	The value of tmnxSubMgmtPortSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this port.
totalInternal [Total Internal] (tmnxSubMgmtPortSTotInternal)	long	The value of tmnxSubMgmtPortSTotInternal indicates the number of current internal hosts on this port.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtPortSTotInternalPeak)	long	The value of tmnxSubMgmtPortSTotInternalPeak indicates the peak number of internal hosts on this port.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtPortSIpoesSesIs)	long	The value of tmnxSubMgmtPortSIpoesSesIs indicates the number of current IPOE sessions in setup on this port.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtPortSIpoesSesIsPeak)	long	The value of tmnxSubMgmtPortSIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this port.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtPortSIpoesSesTotal)	long	The value of tmnxSubMgmtPortSIpoesSesTotal indicates the number of current IPOE sessions on this port.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtPortSIpoesSesTotalPeak)	long	The value of tmnxSubMgmtPortSIpoesSesTotalPeak indicates the peak number of IPOE sessions on this port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipPwPortStats</p> <p>MIB entry name: tmnxSubMgmtPwPortStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a PW-port on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtPwPortStatsTable): The tmnxSubMgmtPwPortStatsTable has an entry with statistics for each PW-port on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PwPort</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtPwPortSSubscribers)	long	The value of tmnxSubMgmtPwPortSSubscribers indicates the number of current subscribers on this PW-port.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPwPortSSubscribersPk)	long	The value of tmnxSubMgmtPwPortSSubscribersPk indicates the peak number of subscribers on this PW-port.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtPwPortSV4AaaTrig)	long	The value of tmnxSubMgmtPwPortSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this PW-port.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtPwPortSV4AaaTrigPk)	long	The value of tmnxSubMgmtPwPortSV4AaaTrigPk indicates the peak number of V4 AAA-triggered hosts on this PW-port.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtPwPortSV4DataTrig)	long	The value of tmnxSubMgmtPwPortSV4DataTrig indicates the number of current V4 data-triggered hosts on this PW-port.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtPwPortSV4DataTrigPk)	long	The value of tmnxSubMgmtPwPortSV4DataTrigPk indicates the peak number of V4 data-triggered hosts on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtPwPortSV6DataTrig)	long	The value of tmnxSubMgmtPwPortSV6DataTrig indicates the number of current V6 data-triggered hosts on this PW-port.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtPwPortSV6DataTrigMr)	long	The value of tmnxSubMgmtPwPortSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this PW-port.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtPwPortSV6DataTrigMrPk)	long	The value of tmnxSubMgmtPwPortSV6DataTrigMrPk indicates the peak number of V6 data-triggered prefix managed routes on this PW-port.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtPwPortSV6DataTrigPd)	long	The value of tmnxSubMgmtPwPortSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this PW-port.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtPwPortSV6DataTrigPdPk)	long	The value of tmnxSubMgmtPwPortSV6DataTrigPdPk indicates the peak number of V6 data-triggered prefixes on this PW-port.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtPwPortSV6DataTrigPk)	long	The value of tmnxSubMgmtPwPortSV6DataTrigPk indicates the peak number of V6 data-triggered hosts on this PW-port.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPwPortSlpoeHosts)	long	The value of tmnxSubMgmtPwPortSlpoeHosts indicates the number of current IPOE hosts on this PW-port.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPwPortSlpoeHostsPk)	long	The value of tmnxSubMgmtPwPortSlpoeHostsPk indicates the Pk number of IPOE hosts on this PW-port.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPwPortSV4)	long	The value of tmnxSubMgmtPwPortSV4 indicates the number of current V4 hosts on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPwPortSV4Pk)	long	The value of tmnxSubMgmtPwPortSV4Pk indicates the peak number of V4 hosts on this PW-port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPwPortSArp)	long	The value of tmnxSubMgmtPwPortSArp indicates the number of current IPOE hosts (ARP) on this PW-port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPwPortSArpPk)	long	The value of tmnxSubMgmtPwPortSArpPk indicates the peak number of IPOE hosts (ARP) on this PW-port.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtPwPortSDhcpBsm)	long	The value of tmnxSubMgmtPwPortSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this PW-port.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtPwPortSDhcpBsmAs)	long	The value of tmnxSubMgmtPwPortSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this PW-port.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtPwPortSDhcpBsmAsPk)	long	The value of tmnxSubMgmtPwPortSDhcpBsmAsPk indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this PW-port.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtPwPortSDhcpBsmPk)	long	The value of tmnxSubMgmtPwPortSDhcpBsmPk indicates the peak number of IPOE BSM hosts (DHCP) on this PW-port.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPwPortSDhcp)	long	The value of tmnxSubMgmtPwPortSDhcp indicates the number of current IPOE hosts (DHCP) on this PW-port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPwPortSDhcpPk)	long	The value of tmnxSubMgmtPwPortSDhcpPk indicates the peak number of IPOE hosts (DHCP) on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPwPortSlpcp)	long	The value of tmnxSubMgmtPwPortSlpcp indicates the number of current PPP hosts (IPCP) on this PW-port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPwPortSlpcpPk)	long	The value of tmnxSubMgmtPwPortSlpcpPk indicates the peak number of PPP hosts (IPCP) on this PW-port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPwPortSL2tpHost)	long	The value of tmnxSubMgmtPwPortSL2tpHost indicates the number of current L2TP hosts (LAC) on this PW-port.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPwPortSL2tpHostPk)	long	The value of tmnxSubMgmtPwPortSL2tpHostPk indicates the peak number of L2TP hosts (LAC) on this PW-port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPwPortSNonSub)	long	The value of tmnxSubMgmtPwPortSNonSub indicates the number of current Non Sub hosts on this PW-port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPwPortSNonSubPk)	long	The value of tmnxSubMgmtPwPortSNonSubPk indicates the peak number of Non Sub hosts on this PW-port.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtPwPortSStaticBsm)	long	The value of tmnxSubMgmtPwPortSStaticBsm indicates the number of current IPOE BSM static hosts on this PW-port.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtPwPortSStaticBsmAs)	long	The value of tmnxSubMgmtPwPortSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this PW-port.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtPwPortSStaticBsmAsPk)	long	The value of tmnxSubMgmtPwPortSStaticBsmAsPk indicates the peak number of IPOE BSM static hosts with antispoof on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtPwPortSStaticBsmPk)	long	The value of tmnxSubMgmtPwPortSStaticBsmPk indicates the peak number of IPOE BSM static hosts on this PW-port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPwPortSStatic)	long	The value of tmnxSubMgmtPwPortSStatic indicates the number of current IPOE hosts (Static) on this PW-port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPwPortSStaticPk)	long	The value of tmnxSubMgmtPwPortSStaticPk indicates the peak number of IPOE hosts (Static) on this PW-port.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtPwPortSTotDhcp)	long	The value of tmnxSubMgmtPwPortSTotDhcp indicates the number of current DHCP hosts on this PW-port.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtPwPortSTotDhcpPk)	long	The value of tmnxSubMgmtPwPortSTotDhcpPk indicates the peak number of DHCP hosts on this PW-port.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtPwPortSBsmDhcp6Na)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this PW-port.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtPwPortSBsmDhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6NaPk indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this PW-port.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtPwPortSBsmDhcp6Pd)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this PW-port.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtPwPortSBsmDhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSBsmDhcp6PdPk indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoE Dhcp6Mr [Ipv 6 IpoE Dhcp 6 Mr] (tmnxSubMgmtPwPortSIpoE Dhcp6Mr)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6Mr indicates the number of current IPOE PD Managed Routes on this PW-port.
ipv6IpoE Dhcp6MrPeak [Ipv 6 IpoE Dhcp 6 Mr Peak] (tmnxSubMgmtPwPortSIpoE Dhcp6MrPk)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6MrPk indicates the peak number of IPOE PD Managed Routes on this PW-port.
ipv6IpoE Dhcp6NaHosts [Ipv 6 IpoE Dhcp 6 Na Hosts] (tmnxSubMgmtPwPortSIpoE Dhcp6Na)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this PW-port.
ipv6IpoE Dhcp6NaHostsPeak [Ipv 6 IpoE Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPwPortSIpoE Dhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6NaPk indicates the Pk number of IPOE hosts (DHCP6 NA) on this PW-port.
ipv6IpoE Dhcp6PdHosts [Ipv 6 IpoE Dhcp 6 Pd Hosts] (tmnxSubMgmtPwPortSIpoE Dhcp6Pd)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this PW-port.
ipv6IpoE Dhcp6PdHostsPeak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPwPortSIpoE Dhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSIpoE Dhcp6PdPk indicates the Pk number of IPOE hosts (DHCP6 PD) on this PW-port.
ipv6IpoE SlaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtPwPortSIpoE Slaac)	long	The value of tmnxSubMgmtPwPortSIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this PW-port.
ipv6IpoE SlaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPwPortSIpoE SlaacPk)	long	The value of tmnxSubMgmtPwPortSIpoE SlaacPk indicates the Pk number of IPOE hosts (SLAAC) on this PW-port.
ipv6IpoE StaticPd [Ipv 6 IpoE Static Pd] (tmnxSubMgmtPwPortSV6StaticPd)	long	The value of tmnxSubMgmtPwPortSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEStaticPdPeak [Ipv 6 IpoE Static Pd Peak] (tmnxSubMgmtPwPortSV6StaticPdPk)	long	The value of tmnxSubMgmtPwPortSV6StaticPdPk indicates the peak number of IPOE IPv6 static prefixes on this PW-port.
ipv6IpoEStaticWan [Ipv 6 IpoE Static Wan] (tmnxSubMgmtPwPortSV6StaticWan)	long	The value of tmnxSubMgmtPwPortSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this PW-port.
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtPwPortSV6StaticWanPk)	long	The value of tmnxSubMgmtPwPortSV6StaticWanPk indicates the peak number of IPOE IPv6 static WAN hosts on this PW-port.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtPwPortSPppDhcp6Mr)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this PW-port.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtPwPortSPppDhcp6MrPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6MrPk indicates the peak number of PPP PD Managed Routes on this PW-port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPwPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this PW-port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPwPortSPppDhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6NaPk indicates the Pk number of PPP hosts (DHCP6 NA) on this PW-port.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPwPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this PW-port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPwPortSPppDhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6PdPk indicates the Pk number of PPP hosts (DHCP6 PD) on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPwPortSPppSlaac)	long	The value of tmnxSubMgmtPwPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this PW-port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPwPortSPppSlaacPk)	long	The value of tmnxSubMgmtPwPortSPppSlaacPk indicates the Pk number of PPP hosts (SLAAC) on this PW-port.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtPwPortSTotDhcpV6)	long	The value of tmnxSubMgmtPwPortSTotDhcpV6 indicates the number of current DHCPv6 hosts on this PW-port.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtPwPortSTotDhcpV6Pk)	long	The value of tmnxSubMgmtPwPortSTotDhcpV6Pk indicates the peak number of DHCPv6 hosts on this PW-port.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtPwPortSTotMngdRt)	long	The value of tmnxSubMgmtPwPortSTotMngdRt indicates the number of current PD Managed Routes on this PW-port.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtPwPortSTotMngdRtPk)	long	The value of tmnxSubMgmtPwPortSTotMngdRtPk indicates the peak number of PD Managed Routes on this PW-port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPwPortSV6)	long	The value of tmnxSubMgmtPwPortSV6 indicates the number of current V6 hosts on this PW-port.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPwPortSV6Pk)	long	The value of tmnxSubMgmtPwPortSV6Pk indicates the peak number of V6 hosts on this PW-port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPwPortSTotal)	long	The value of tmnxSubMgmtPwPortSTotal indicates the number of current total hosts on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPwPortSTotalPk)	long	The value of tmnxSubMgmtPwPortSTotalPk indicates the peak number of total hosts on this PW-port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPwPortSPppHosts)	long	The value of tmnxSubMgmtPwPortSPppHosts indicates the number of current PPP hosts on this PW-port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPwPortSPppHostsPk)	long	The value of tmnxSubMgmtPwPortSPppHostsPk indicates the Pk number of PPP hosts on this PW-port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPwPortSPppLacL2tp)	long	The value of tmnxSubMgmtPwPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this PW-port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPwPortSPppLacL2tpPk)	long	The value of tmnxSubMgmtPwPortSPppLacL2tpPk indicates the Pk number of PPP sessions (L2TP LTS) tunneled over L2TP on this PW-port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPwPortSPppLacOA)	long	The value of tmnxSubMgmtPwPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this PW-port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPwPortSPppLacOAPk)	long	The value of tmnxSubMgmtPwPortSPppLacOAPk indicates the Pk number of PPP sessions (PPPoA) tunneled over L2TP on this PW-port.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPwPortSPppLacOEOA)	long	The value of tmnxSubMgmtPwPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this PW-port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPwPortSPppLacOEOAPk)	long	The value of tmnxSubMgmtPwPortSPppLacOEOAPk indicates the Pk number of PPP sessions (PPPoEoA) tunneled over L2TP on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPwPortSPppLacOE)	long	The value of tmnxSubMgmtPwPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this PW-port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPwPortSPppLacOEPk)	long	The value of tmnxSubMgmtPwPortSPppLacOEPk indicates the Pk number of PPP sessions (PPPoE) tunneled over L2TP on this PW-port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPwPortSPppLclL2tp)	long	The value of tmnxSubMgmtPwPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this PW-port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPwPortSPppLclL2tpPk)	long	The value of tmnxSubMgmtPwPortSPppLclL2tpPk indicates the Pk number of locally terminated PPP sessions (L2TP LNS) on this PW-port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPwPortSPppLclOEA)	long	The value of tmnxSubMgmtPwPortSPppLclOEA indicates the number of current locally terminated PPP sessions (PPPoA) on this PW-port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPwPortSPppLclOAPk)	long	The value of tmnxSubMgmtPwPortSPppLclOAPk indicates the Pk number of locally terminated PPP sessions (PPPoA) on this PW-port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPwPortSPppLclOEOA)	long	The value of tmnxSubMgmtPwPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this PW-port.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPwPortSPppLclOEOAPk)	long	The value of tmnxSubMgmtPwPortSPppLclOEOAPk indicates the Pk number of locally terminated PPP sessions (PPPoEoA) on this PW-port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPwPortSPppLclOE)	long	The value of tmnxSubMgmtPwPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPwPortSPppLclOEPk)	long	The value of tmnxSubMgmtPwPortSPppLclOEPk indicates the Pk number of locally terminated PPP sessions (PPPoE) on this PW-port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPwPortSPppLclTotal)	long	The value of tmnxSubMgmtPwPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this PW-port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPwPortSPppLclTotalPk)	long	The value of tmnxSubMgmtPwPortSPppLclTotalPk indicates the total Pk number of locally terminated PPP sessions on this PW-port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPwPortSPppSessIs)	long	The value of tmnxSubMgmtPwPortSPppSessIs indicates the number of current PPP sessions in setup on this PW-port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPwPortSPppSessIsPk)	long	The value of tmnxSubMgmtPwPortSPppSessIsPk indicates the Pk number of PPP sessions in setup on this PW-port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPwPortSPppSessTotal)	long	The value of tmnxSubMgmtPwPortSPppSessTotal indicates the total number of current PPP sessions established on this PW-port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPwPortSPppSessTotalPk)	long	The value of tmnxSubMgmtPwPortSPppSessTotalPk indicates the total Pk number of PPP sessions established on this PW-port.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPwPortSPppLacTotal)	long	The value of tmnxSubMgmtPwPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this PW-port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPwPortSPppLacTotalPk)	long	The value of tmnxSubMgmtPwPortSPppLacTotalPk indicates the total Pk number of PPP sessions tunneled over L2TP on this PW-port.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalInternal [Total Internal] (tmnxSubMgmtPwPortSTotInternal)	long	The value of tmnxSubMgmtPwPortSTotInternal indicates the number of current internal hosts on this PW-port.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtPwPortSTotInternalPk)	long	The value of tmnxSubMgmtPwPortSTotInternalPk indicates the peak number of internal hosts on this PW-port.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtPwPortSIpoesSesIs)	long	The value of tmnxSubMgmtPwPortSIpoesSesIs indicates the number of current IPOE sessions in setup on this PW-port.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtPwPortSIpoesSesIsPk)	long	The value of tmnxSubMgmtPwPortSIpoesSesIsPk indicates the peak number of IPOE sessions in setup on this PW-port.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtPwPortSIpoesSesTotal)	long	The value of tmnxSubMgmtPwPortSIpoesSesTotal indicates the number of current IPOE sessions on this PW-port.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtPwPortSIpoesSesTotalPk)	long	The value of tmnxSubMgmtPwPortSIpoesSesTotalPk indicates the peak number of IPOE sessions on this PW-port.
<p>SubscrHostEquipSlotStats</p> <p>MIB entry name: tmnxSubMgmtSlotStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a Slot on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtSlotStatsTable): The tmnxSubMgmtSlotStatsTable has an entry with statistics for each Slot on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotId [Card Slot Id] (tmnxSubMgmtSlotID)	long	tmnxSubMgmtSlotID is an index into this table. It maps this Slot to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtSlotSSubscribers)	long	The value of tmnxSubMgmtSlotSSubscribers indicates the number of current subscribers on this Slot.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSlotSSubscribersPeak)	long	The value of tmnxSubMgmtSlotSSubscribersPeak indicates the peak number of subscribers on this Slot.
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtSlotSV4AaaTrig)	long	The value of tmnxSubMgmtSlotSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this Slot.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtSlotSV4AaaTrigPeak)	long	The value of tmnxSubMgmtSlotSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this Slot.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtSlotSV4DataTrig)	long	The value of tmnxSubMgmtSlotSV4DataTrig indicates the number of current V4 data-triggered hosts on this Slot.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtSlotSV4DataTrigPeak)	long	The value of tmnxSubMgmtSlotSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this Slot.
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtSlotSV6DataTrig)	long	The value of tmnxSubMgmtSlotSV6DataTrig indicates the number of current V6 data-triggered hosts on this Slot.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtSlotSV6DataTrigMr)	long	The value of tmnxSubMgmtSlotSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtSlotSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtSlotSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this Slot.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtSlotSV6DataTrigPd)	long	The value of tmnxSubMgmtSlotSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this Slot.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtSlotSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtSlotSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this Slot.
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtSlotSV6DataTrigPeak)	long	The value of tmnxSubMgmtSlotSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this Slot.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSlotIpoeHosts)	long	The value of tmnxSubMgmtSlotIpoeHosts indicates the number of current IPOE hosts on this Slot.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSlotIpoeHostsPeak)	long	The value of tmnxSubMgmtSlotIpoeHostsPeak indicates the peak number of IPOE hosts on this Slot.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSlotSV4)	long	The value of tmnxSubMgmtSlotSV4 indicates the number of current V4 hosts on this Slot.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSlotSV4Peak)	long	The value of tmnxSubMgmtSlotSV4Peak indicates the peak number of V4 hosts on this Slot.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSlotSArp)	long	The value of tmnxSubMgmtSlotSArp indicates the number of current IPOE hosts (ARP) on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSlotSArpPeak)	long	The value of tmnxSubMgmtSlotSArpPeak indicates the peak number of IPOE hosts (ARP) on this Slot.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtSlotSDhcpBsm)	long	The value of tmnxSubMgmtSlotSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this Slot.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtSlotSDhcpBsmAs)	long	The value of tmnxSubMgmtSlotSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this Slot.
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtSlotSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtSlotSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this Slot.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtSlotSDhcpBsmPeak)	long	The value of tmnxSubMgmtSlotSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this Slot.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSlotSDhcp)	long	The value of tmnxSubMgmtSlotSDhcp indicates the number of current IPOE hosts (DHCP) on this Slot.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSlotSDhcpPeak)	long	The value of tmnxSubMgmtSlotSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this Slot.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSlotSIpcp)	long	The value of tmnxSubMgmtSlotSIpcp indicates the number of current PPP hosts (IPCP) on this Slot.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSlotSIpcpPeak)	long	The value of tmnxSubMgmtSlotSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSlotSL2tpHost)	long	The value of tmnxSubMgmtSlotSL2tpHost indicates the number of current L2TP hosts (LAC) on this Slot.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSlotSL2tpHostPeak)	long	The value of tmnxSubMgmtSlotSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this Slot.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSlotSNonSub)	long	The value of tmnxSubMgmtSlotSNonSub indicates the number of current Non Sub hosts on this Slot.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSlotSNonSubPeak)	long	The value of tmnxSubMgmtSlotSNonSubPeak indicates the peak number of Non Sub hosts on this Slot.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtSlotSStaticBsm)	long	The value of tmnxSubMgmtSlotSStaticBsm indicates the number of current IPOE BSM static hosts on this Slot.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtSlotSStaticBsmAs)	long	The value of tmnxSubMgmtSlotSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this Slot.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtSlotSStaticBsmAsPeak)	long	The value of tmnxSubMgmtSlotSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this Slot.
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtSlotSStaticBsmPeak)	long	The value of tmnxSubMgmtSlotSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this Slot.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSlotSStatic)	long	The value of tmnxSubMgmtSlotSStatic indicates the number of current IPOE hosts (Static) on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSlotSStaticPeak)	long	The value of tmnxSubMgmtSlotSStaticPeak indicates the peak number of IPOE hosts (Static) on this Slot.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtSlotSTotDhcp)	long	The value of tmnxSubMgmtSlotSTotDhcp indicates the number of current DHCP hosts on this Slot.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtSlotSTotDhcpPeak)	long	The value of tmnxSubMgmtSlotSTotDhcpPeak indicates the peak number of DHCP hosts on this Slot.
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtSlotSBsmDhcp6Na)	long	The value of tmnxSubMgmtSlotSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this Slot.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtSlotSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this Slot.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtSlotSBsmDhcp6Pd)	long	The value of tmnxSubMgmtSlotSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this Slot.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtSlotSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this Slot.
ipv6Ipoedhcp6Mr [Ipv 6 Ipoedhcp 6 Mr] (tmnxSubMgmtSlotSIpoedhcp6Mr)	long	The value of tmnxSubMgmtSlotSIpoedhcp6Mr indicates the number of current IPOE PD Managed Routes on this Slot.
ipv6Ipoedhcp6MrPeak [Ipv 6 Ipoedhcp 6 Mr Peak] (tmnxSubMgmtSlotSIpoedhcp6MrPeak)	long	The value of tmnxSubMgmtSlotSIpoedhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSlotIpoedhcp6Na)	long	The value of tmnxSubMgmtSlotIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this Slot.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSlotIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this Slot.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSlotIpoedhcp6Pd)	long	The value of tmnxSubMgmtSlotIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this Slot.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtSlotIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this Slot.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtSlotIpoeslaac)	long	The value of tmnxSubMgmtSlotIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this Slot.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtSlotIpoeslaacPeak)	long	The value of tmnxSubMgmtSlotIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this Slot.
ipv6IpoestaticPd [Ipv 6 Ipoestatic Pd] (tmnxSubMgmtSlotSV6StaticPd)	long	The value of tmnxSubMgmtSlotSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this Slot.
ipv6IpoestaticPdPeak [Ipv 6 Ipoestatic Pd Peak] (tmnxSubMgmtSlotSV6StaticPdPeak)	long	The value of tmnxSubMgmtSlotSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this Slot.
ipv6IpoestaticWan [Ipv 6 Ipoestatic Wan] (tmnxSubMgmtSlotSV6StaticWan)	long	The value of tmnxSubMgmtSlotSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEStaticWanPeak [Ipv 6 IpoE Static Wan Peak] (tmnxSubMgmtSlotSV6StaticWanPeak)	long	The value of tmnxSubMgmtSlotSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this Slot.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtSlotSPppDhcp6Mr)	long	The value of tmnxSubMgmtSlotSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this Slot.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtSlotSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtSlotSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this Slot.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtSlotSPppDhcp6Na)	long	The value of tmnxSubMgmtSlotSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this Slot.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this Slot.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtSlotSPppDhcp6Pd)	long	The value of tmnxSubMgmtSlotSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this Slot.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this Slot.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtSlotSPppSlaac)	long	The value of tmnxSubMgmtSlotSPppSlaac indicates the number of current PPP hosts (SLAAC) on this Slot.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtSlotSPppSlaacPeak)	long	The value of tmnxSubMgmtSlotSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtSlotSTotDhcpV6)	long	The value of tmnxSubMgmtSlotSTotDhcpV6 indicates the number of current DHCPv6 hosts on this Slot.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtSlotSTotDhcpV6Peak)	long	The value of tmnxSubMgmtSlotSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this Slot.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtSlotSTotMngdRt)	long	The value of tmnxSubMgmtSlotSTotMngdRt indicates the number of current PD Managed Routes on this Slot.
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtSlotSTotMngdRtPeak)	long	The value of tmnxSubMgmtSlotSTotMngdRtPeak indicates the peak number of PD Managed Routes on this Slot.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSlotSV6)	long	The value of tmnxSubMgmtSlotSV6 indicates the number of current V6 hosts on this Slot.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSlotSV6Peak)	long	The value of tmnxSubMgmtSlotSV6Peak indicates the peak number of V6 hosts on this Slot.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSlotSTotal)	long	The value of tmnxSubMgmtSlotSTotal indicates the number of current total hosts on this Slot.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSlotSTotalPeak)	long	The value of tmnxSubMgmtSlotSTotalPeak indicates the peak number of total hosts on this Slot.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSlotSPppHosts)	long	The value of tmnxSubMgmtSlotSPppHosts indicates the number of current PPP hosts on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSlotSPppHostsPeak)	long	The value of tmnxSubMgmtSlotSPppHostsPeak indicates the peak number of PPP hosts on this Slot.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSlotSPppLacL2tp)	long	The value of tmnxSubMgmtSlotSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSlotSPppLacOA)	long	The value of tmnxSubMgmtSlotSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this Slot.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSlotSPppLacOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this Slot.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSlotSPppLacOEOA)	long	The value of tmnxSubMgmtSlotSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSlotSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSlotSPppLacOE)	long	The value of tmnxSubMgmtSlotSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this Slot.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSlotSPppLacOEPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSlotSPppLclL2tp)	long	The value of tmnxSubMgmtSlotSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSlotSPppLclOA)	long	The value of tmnxSubMgmtSlotSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this Slot.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSlotSPppLclOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this Slot.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSlotSPppLclOEOA)	long	The value of tmnxSubMgmtSlotSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSlotSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSlotSPppLclOE)	long	The value of tmnxSubMgmtSlotSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this Slot.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSlotSPppLclOEPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this Slot.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSlotSPppLclTotal)	long	The value of tmnxSubMgmtSlotSPppLclTotal indicates the total number of current locally terminated PPP sessions on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSlotSPppLclTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this Slot.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSlotSPppSessIs)	long	The value of tmnxSubMgmtSlotSPppSessIs indicates the number of current PPP sessions in setup on this Slot.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSlotSPppSessIsPeak)	long	The value of tmnxSubMgmtSlotSPppSessIsPeak indicates the peak number of PPP sessions in setup on this Slot.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSlotSPppSessTotal)	long	The value of tmnxSubMgmtSlotSPppSessTotal indicates the total number of current PPP sessions established on this Slot.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSlotSPppSessTotalPeak)	long	The value of tmnxSubMgmtSlotSPppSessTotalPeak indicates the total peak number of PPP sessions established on this Slot.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSlotSPppLacTotal)	long	The value of tmnxSubMgmtSlotSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this Slot.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSlotSPppLacTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this Slot.
totalInternal [Total Internal] (tmnxSubMgmtSlotSTotInternal)	long	The value of tmnxSubMgmtSlotSTotInternal indicates the number of current internal hosts on this Slot.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtSlotSTotInternalPeak)	long	The value of tmnxSubMgmtSlotSTotInternalPeak indicates the peak number of internal hosts on this Slot.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtSlotIpoesSesIs)	long	The value of tmnxSubMgmtSlotIpoesSesIs indicates the number of current IPOE sessions in setup on this Slot.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtSlotIpoesSesIsPeak)	long	The value of tmnxSubMgmtSlotIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this Slot.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtSlotIpoesSesTotal)	long	The value of tmnxSubMgmtSlotIpoesSesTotal indicates the number of current IPOE sessions on this Slot.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtSlotIpoesSesTotalPeak)	long	The value of tmnxSubMgmtSlotIpoesSesTotalPeak indicates the peak number of IPOE sessions on this Slot.
<p>SubscrHostEquipSystStats</p> <p>MIB entry name: tmnxSubMgmtSystStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a system on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtSystStatsTable): The tmnxSubMgmtSystStatsTable has an entry with statistics for each system on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtSystSSubscribers)	long	The value of tmnxSubMgmtSystSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSystSSubscribersPeak)	long	The value of tmnxSubMgmtSystSSubscribersPeak indicates the peak number of subscribers on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV4AAATrig [Current V4 AAATrig] (tmnxSubMgmtSystSV4AaaTrig)	long	The value of tmnxSubMgmtSystSV4AaaTrig indicates the number of current V4 AAA-triggered hosts on this system.
currentV4AAATrigPeak [Current V4 AAATrig Peak] (tmnxSubMgmtSystSV4AaaTrigPeak)	long	The value of tmnxSubMgmtSystSV4AaaTrigPeak indicates the peak number of V4 AAA-triggered hosts on this system.
currentV4DataTrig [Current V4 Data Trig] (tmnxSubMgmtSystSV4DataTrig)	long	The value of tmnxSubMgmtSystSV4DataTrig indicates the number of current V4 data-triggered hosts on this system.
currentV4DataTrigPeak [Current V4 Data Trig Peak] (tmnxSubMgmtSystSV4DataTrigPeak)	long	The value of tmnxSubMgmtSystSV4DataTrigPeak indicates the peak number of V4 data-triggered hosts on this system.
currentV6DataTrig [Current V6 Data Trig] (tmnxSubMgmtSystSV6DataTrig)	long	The value of tmnxSubMgmtSystSV6DataTrig indicates the number of current V6 data-triggered hosts on this system.
currentV6DataTrigMr [Current V6 Data Trig Mr] (tmnxSubMgmtSystSV6DataTrigMr)	long	The value of tmnxSubMgmtSystSV6DataTrigMr indicates the number of current V6 data-triggered prefix managed routes on this system.
currentV6DataTrigMrPeak [Current V6 Data Trig Mr Peak] (tmnxSubMgmtSystSV6DataTrigMrPeak)	long	The value of tmnxSubMgmtSystSV6DataTrigMrPeak indicates the peak number of V6 data-triggered prefix managed routes on this system.
currentV6DataTrigPd [Current V6 Data Trig Pd] (tmnxSubMgmtSystSV6DataTrigPd)	long	The value of tmnxSubMgmtSystSV6DataTrigPd indicates the number of current V6 data-triggered prefixes on this system.
currentV6DataTrigPdPeak [Current V6 Data Trig Pd Peak] (tmnxSubMgmtSystSV6DataTrigPdPeak)	long	The value of tmnxSubMgmtSystSV6DataTrigPdPeak indicates the peak number of V6 data-triggered prefixes on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentV6DataTrigPeak [Current V6 Data Trig Peak] (tmnxSubMgmtSystSV6DataTrigPeak)	long	The value of tmnxSubMgmtSystSV6DataTrigPeak indicates the peak number of V6 data-triggered hosts on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSystIpoeHosts)	long	The value of tmnxSubMgmtSystIpoeHosts indicates the number of current IPOE hosts on this system.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSystIpoeHostsPeak)	long	The value of tmnxSubMgmtSystIpoeHostsPeak indicates the peak number of IPOE hosts on this system.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSystSV4)	long	The value of tmnxSubMgmtSystSV4 indicates the number of current V4 hosts on this system.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSystSV4Peak)	long	The value of tmnxSubMgmtSystSV4Peak indicates the peak number of V4 hosts on this system.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSystSArp)	long	The value of tmnxSubMgmtSystSArp indicates the number of current IPOE hosts (ARP) on this system.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSystSArpPeak)	long	The value of tmnxSubMgmtSystSArpPeak indicates the peak number of IPOE hosts (ARP) on this system.
ipv4DhcpBsm [Ipv 4 Dhcp Bsm] (tmnxSubMgmtSystSDhcpBsm)	long	The value of tmnxSubMgmtSystSDhcpBsm indicates the number of current IPOE BSM hosts (DHCP) on this system.
ipv4DhcpBsmAs [Ipv 4 Dhcp Bsm As] (tmnxSubMgmtSystSDhcpBsmAs)	long	The value of tmnxSubMgmtSystSDhcpBsmAs indicates the number of current IPOE BSM hosts with antispoof (DHCP) on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4DhcpBsmAsPeak [Ipv 4 Dhcp Bsm As Peak] (tmnxSubMgmtSystSDhcpBsmAsPeak)	long	The value of tmnxSubMgmtSystSDhcpBsmAsPeak indicates the peak number of IPOE BSM hosts with antispoof (DHCP) on this system.
ipv4DhcpBsmPeak [Ipv 4 Dhcp Bsm Peak] (tmnxSubMgmtSystSDhcpBsmPeak)	long	The value of tmnxSubMgmtSystSDhcpBsmPeak indicates the peak number of IPOE BSM hosts (DHCP) on this system.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSystSDhcp)	long	The value of tmnxSubMgmtSystSDhcp indicates the number of current IPOE hosts (DHCP) on this system.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSystSDhcpPeak)	long	The value of tmnxSubMgmtSystSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this system.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSystIpcp)	long	The value of tmnxSubMgmtSystIpcp indicates the number of current PPP hosts (IPCP) on this system.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSystIpcpPeak)	long	The value of tmnxSubMgmtSystIpcpPeak indicates the peak number of PPP hosts (IPCP) on this system.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSystSL2tpHost)	long	The value of tmnxSubMgmtSystSL2tpHost indicates the number of current L2TP hosts (LAC) on this system.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSystSL2tpHostPeak)	long	The value of tmnxSubMgmtSystSL2tpHostPeak indicates the peak number of L2TP hosts (LAC) on this system.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSystSNonSub)	long	The value of tmnxSubMgmtSystSNonSub indicates the number of current Non Sub hosts on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSystSNonSubPeak)	long	The value of tmnxSubMgmtSystSNonSubPeak indicates the peak number of Non Sub hosts on this system.
ipv4StaticBsm [Ipv 4 Static Bsm] (tmnxSubMgmtSystSStaticBsm)	long	The value of tmnxSubMgmtSystSStaticBsm indicates the number of current IPOE BSM static hosts on this system.
ipv4StaticBsmAs [Ipv 4 Static Bsm As] (tmnxSubMgmtSystSStaticBsmAs)	long	The value of tmnxSubMgmtSystSStaticBsmAs indicates the number of current IPOE BSM static hosts with antispoof on this system.
ipv4StaticBsmAsPeak [Ipv 4 Static Bsm As Peak] (tmnxSubMgmtSystSStaticBsmAsPeak)	long	The value of tmnxSubMgmtSystSStaticBsmAsPeak indicates the peak number of IPOE BSM static hosts with antispoof on this system.
ipv4StaticBsmPeak [Ipv 4 Static Bsm Peak] (tmnxSubMgmtSystSStaticBsmPeak)	long	The value of tmnxSubMgmtSystSStaticBsmPeak indicates the peak number of IPOE BSM static hosts on this system.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSystSStatic)	long	The value of tmnxSubMgmtSystSStatic indicates the number of current IPOE hosts (Static) on this system.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSystSStaticPeak)	long	The value of tmnxSubMgmtSystSStaticPeak indicates the peak number of IPOE hosts (Static) on this system.
ipv4TotDhcp [Ipv 4 Tot Dhcp] (tmnxSubMgmtSystSTotDhcp)	long	The value of tmnxSubMgmtSystSTotDhcp indicates the number of current DHCP hosts on this system.
ipv4TotDhcpPeak [Ipv 4 Tot Dhcp Peak] (tmnxSubMgmtSystSTotDhcpPeak)	long	The value of tmnxSubMgmtSystSTotDhcpPeak indicates the peak number of DHCP hosts on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6BsmDhcp6Na [Ipv 6 Bsm Dhcp 6 Na] (tmnxSubMgmtSystSBsmDhcp6Na)	long	The value of tmnxSubMgmtSystSBsmDhcp6Na indicates the number of current IPOE BSM hosts (DHCP6 NA) on this system.
ipv6BsmDhcp6NaPeak [Ipv 6 Bsm Dhcp 6 Na Peak] (tmnxSubMgmtSystSBsmDhcp6NaPeak)	long	The value of tmnxSubMgmtSystSBsmDhcp6NaPeak indicates the peak number of IPOE BSM hosts (DHCP6 NA) on this system.
ipv6BsmDhcp6Pd [Ipv 6 Bsm Dhcp 6 Pd] (tmnxSubMgmtSystSBsmDhcp6Pd)	long	The value of tmnxSubMgmtSystSBsmDhcp6Pd indicates the number of current IPOE BSM hosts (DHCP6 PD) on this system.
ipv6BsmDhcp6PdPeak [Ipv 6 Bsm Dhcp 6 Pd Peak] (tmnxSubMgmtSystSBsmDhcp6PdPeak)	long	The value of tmnxSubMgmtSystSBsmDhcp6PdPeak indicates the peak number of IPOE BSM hosts (DHCP6 PD) on this system.
ipv6Ipoedhcp6Mr [Ipv 6 Ipoedhcp 6 Mr] (tmnxSubMgmtSystSIpoedhcp6Mr)	long	The value of tmnxSubMgmtSystSIpoedhcp6Mr indicates the number of current IPOE PD Managed Routes on this system.
ipv6Ipoedhcp6MrPeak [Ipv 6 Ipoedhcp 6 Mr Peak] (tmnxSubMgmtSystSIpoedhcp6MrPeak)	long	The value of tmnxSubMgmtSystSIpoedhcp6MrPeak indicates the peak number of IPOE PD Managed Routes on this system.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSystSIpoedhcp6Na)	long	The value of tmnxSubMgmtSystSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSystSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSystSIpoedhcp6Pd)	long	The value of tmnxSubMgmtSystSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtSystIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this system.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtSystIpoeslaac)	long	The value of tmnxSubMgmtSystIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this system.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtSystIpoeslaacPeak)	long	The value of tmnxSubMgmtSystIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this system.
ipv6IpoestaticPd [Ipv 6 Ipoestatic Pd] (tmnxSubMgmtSystSV6StaticPd)	long	The value of tmnxSubMgmtSystSV6StaticPd indicates the number of current IPOE IPv6 static prefixes on this system.
ipv6IpoestaticPdPeak [Ipv 6 Ipoestatic Pd Peak] (tmnxSubMgmtSystSV6StaticPdPeak)	long	The value of tmnxSubMgmtSystSV6StaticPdPeak indicates the peak number of IPOE IPv6 static prefixes on this system.
ipv6IpoestaticWan [Ipv 6 Ipoestatic Wan] (tmnxSubMgmtSystSV6StaticWan)	long	The value of tmnxSubMgmtSystSV6StaticWan indicates the number of current IPOE IPv6 static WAN hosts on this system.
ipv6IpoestaticWanPeak [Ipv 6 Ipoestatic Wan Peak] (tmnxSubMgmtSystSV6StaticWanPeak)	long	The value of tmnxSubMgmtSystSV6StaticWanPeak indicates the peak number of IPOE IPv6 static WAN hosts on this system.
ipv6PppDhcp6Mr [Ipv 6 Ppp Dhcp 6 Mr] (tmnxSubMgmtSystSPppDhcp6Mr)	long	The value of tmnxSubMgmtSystSPppDhcp6Mr indicates the number of current PPP PD Managed Routes on this system.
ipv6PppDhcp6MrPeak [Ipv 6 Ppp Dhcp 6 Mr Peak] (tmnxSubMgmtSystSPppDhcp6MrPeak)	long	The value of tmnxSubMgmtSystSPppDhcp6MrPeak indicates the peak number of PPP PD Managed Routes on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtSystSPppDhcp6Na)	long	The value of tmnxSubMgmtSystSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this system.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtSystSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this system.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtSystSPppDhcp6Pd)	long	The value of tmnxSubMgmtSystSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this system.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtSystSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this system.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtSystSPppSlaac)	long	The value of tmnxSubMgmtSystSPppSlaac indicates the number of current PPP hosts (SLAAC) on this system.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtSystSPppSlaacPeak)	long	The value of tmnxSubMgmtSystSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this system.
ipv6TotDhcpV6 [Ipv 6 Tot Dhcp V6] (tmnxSubMgmtSystSTotDhcpV6)	long	The value of tmnxSubMgmtSystSTotDhcpV6 indicates the number of current DHCPv6 hosts on this system.
ipv6TotDhcpV6Peak [Ipv 6 Tot Dhcp V6 Peak] (tmnxSubMgmtSystSTotDhcpV6Peak)	long	The value of tmnxSubMgmtSystSTotDhcpV6Peak indicates the peak number of DHCPv6 hosts on this system.
ipv6TotMngdRt [Ipv 6 Tot Mngd Rt] (tmnxSubMgmtSystSTotMngdRt)	long	The value of tmnxSubMgmtSystSTotMngdRt indicates the number of current PD Managed Routes on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotMngdRtPeak [Ipv 6 Tot Mngd Rt Peak] (tmnxSubMgmtSystSTotMngdRtPeak)	long	The value of tmnxSubMgmtSystSTotMngdRtPeak indicates the peak number of PD Managed Routes on this system.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSystSV6)	long	The value of tmnxSubMgmtSystSV6 indicates the number of current V6 hosts on this system.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSystSV6Peak)	long	The value of tmnxSubMgmtSystSV6Peak indicates the peak number of V6 hosts on this system.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSystSTotal)	long	The value of tmnxSubMgmtSystSTotal indicates the number of current total hosts on this system.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSystSTotalPeak)	long	The value of tmnxSubMgmtSystSTotalPeak indicates the peak number of total hosts on this system.
l2tpTunOrig [L2 tp Tun Orig] (tmnxSubMgmtSystSL2tpTunOrig)	long	The value of tmnxSubMgmtSystSL2tpTunOrig indicates the number of current L2TP Tunnels (originator) on this system.
l2tpTunOrigPeak [L2 tp Tun Orig Peak] (tmnxSubMgmtSystSL2tpTunOrigPeak)	long	The value of tmnxSubMgmtSystSL2tpTunOrigPeak indicates the peak number of L2TP Tunnels (originator) on this system.
l2tpTunRecv [L2 tp Tun Recv] (tmnxSubMgmtSystSL2tpTunRecv)	long	The value of tmnxSubMgmtSystSL2tpTunRecv indicates the number of current L2TP Tunnels (receiver) on this system.
l2tpTunRecvPeak [L2 tp Tun Recv Peak] (tmnxSubMgmtSystSL2tpTunRecvPeak)	long	The value of tmnxSubMgmtSystSL2tpTunRecvPeak indicates the peak number of L2TP Tunnels (receiver) on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
l2tpTunTotal [L2 tp Tun Total] (tmnxSubMgmtSystSL2tpTunTotal)	long	The value of tmnxSubMgmtSystSL2tpTunTotal indicates the total number of current L2TP Tunnels on this system.
l2tpTunTotalPeak [L2 tp Tun Total Peak] (tmnxSubMgmtSystSL2tpTunTotalPeak)	long	The value of tmnxSubMgmtSystSL2tpTunTotalPeak indicates the peak total number of L2TP Tunnels on this system.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSystSPppHosts)	long	The value of tmnxSubMgmtSystSPppHosts indicates the number of current PPP hosts on this system.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSystSPppHostsPeak)	long	The value of tmnxSubMgmtSystSPppHostsPeak indicates the peak number of PPP hosts on this system.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSystSPppLacL2tp)	long	The value of tmnxSubMgmtSystSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSystSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSystSPppLacOA)	long	The value of tmnxSubMgmtSystSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSystSPppLacOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSystSPppLacOEoA)	long	The value of tmnxSubMgmtSystSPppLacOEoA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSystSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this system.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSystSPppLacOE)	long	The value of tmnxSubMgmtSystSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSystSPppLacOEPeak)	long	The value of tmnxSubMgmtSystSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSystSPppLclL2tp)	long	The value of tmnxSubMgmtSystSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this system.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSystSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this system.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSystSPppLclOA)	long	The value of tmnxSubMgmtSystSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this system.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSystSPppLclOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this system.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSystSPppLclOEOA)	long	The value of tmnxSubMgmtSystSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this system.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSystSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSystSPppLclOE)	long	The value of tmnxSubMgmtSystSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this system.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSystSPppLclOEPeak)	long	The value of tmnxSubMgmtSystSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this system.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSystSPppLclTotal)	long	The value of tmnxSubMgmtSystSPppLclTotal indicates the total number of current locally terminated PPP sessions on this system.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSystSPppLclTotalPeak)	long	The value of tmnxSubMgmtSystSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this system.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSystSPppSessIs)	long	The value of tmnxSubMgmtSystSPppSessIs indicates the number of current PPP sessions in setup on this system.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSystSPppSessIsPeak)	long	The value of tmnxSubMgmtSystSPppSessIsPeak indicates the peak number of PPP sessions in setup on this system.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSystSPppSessTotal)	long	The value of tmnxSubMgmtSystSPppSessTotal indicates the total number of current PPP sessions established on this system.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSystSPppSessTotalPeak)	long	The value of tmnxSubMgmtSystSPppSessTotalPeak indicates the total peak number of PPP sessions established on this system.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSystSPppLacTotal)	long	The value of tmnxSubMgmtSystSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSystSPppLacTotalPeak)	long	The value of tmnxSubMgmtSystSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this system.
systemHostsScale [System Hosts Scale] (tmnxSubMgmtSystSHostsScale)	long	The value of tmnxSubMgmtSystSHostsScale indicates the number of current total hosts on this system, including internal hosts.
systemHostsScalePeak [System Hosts Scale Peak] (tmnxSubMgmtSystSHostsScalePeak)	long	The value of tmnxSubMgmtSystSHostsScalePeak indicates the peak number of total hosts on this system, including internal hosts.
totalInternal [Total Internal] (tmnxSubMgmtSystSTotInternal)	long	The value of tmnxSubMgmtSystSTotInternal indicates the number of current internal hosts on this system.
totalInternalPeak [Total Internal Peak] (tmnxSubMgmtSystSTotInternalPeak)	long	The value of tmnxSubMgmtSystSTotInternalPeak indicates the peak number of internal hosts on this system.
totalIpoesSesIs [Total Ipoes Ses Is] (tmnxSubMgmtSystSIpoesSesIs)	long	The value of tmnxSubMgmtSystSIpoesSesIs indicates the number of current IPOE sessions in setup on this system.
totalIpoesSesIsPeak [Total Ipoes Ses Is Peak] (tmnxSubMgmtSystSIpoesSesIsPeak)	long	The value of tmnxSubMgmtSystSIpoesSesIsPeak indicates the peak number of IPOE sessions in setup on this system.
totalIpoesSesTotal [Total Ipoes Ses Total] (tmnxSubMgmtSystSIpoesSesTotal)	long	The value of tmnxSubMgmtSystSIpoesSesTotal indicates the number of current IPOE sessions on this system.
totalIpoesSesTotalPeak [Total Ipoes Ses Total Peak] (tmnxSubMgmtSystSIpoesSesTotalPeak)	long	The value of tmnxSubMgmtSystSIpoesSesTotalPeak indicates the peak number of IPOE sessions on this system.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualCPUSchedulingStats</p> <p>MIB entry name: tmnxCardVCpuSchedStatsEntry</p> <p>Entry description: The value of tmnxCardVCpuSchedStatsEntry consists of virtual CPU scheduling statistics for a card.</p> <p>Table description (for tmnxCardVCpuSchedStatsTable): The value of tmnxCardVCpuSchedStatsTable contains virtual CPU scheduling statistics for a given card.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CardSlot 		
vCPUShedHealth [VCPUShed Health] (tmnxCardVCpuSchedHealth)	double	The value of tmnxCardVCpuSchedHealth indicates the scheduling health of the virtual CPU on the card.
vCPUShedLastClearedTime [VCPUShed Last Cleared Time] (tmnxCardVCpuSchedLastClearedTime)	long	The value of tmnxCardVCpuSchedLastClearedTime indicates the time, since system startup, when tmnxCardVCpuSchedStatsEntry was last cleared.
<p>VirtualFwdPlaneStats</p> <p>MIB entry name: tmnxCardVFpStatsEntry</p> <p>Entry description: The value of tmnxCardVFpStatsEntry consists of CPU statistics for a virtual forwarding plane (vFP) task on a card.</p> <p>Table description (for tmnxCardVFpStatsTable): The value of tmnxCardVFpStatsTable contains CPU statistics for the virtual forwarding plane (vFP) of a given card.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.ForwardingPlane</p>		
vFPAvgUtilization [VFPAvg Utilization] (tmnxCardVFpAvgUtilization)	long	The value of tmnxCardVFpAvgUtilization indicates the average CPU utilization of the vFP task on the card.

Table 460 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vFPCpuCount [VFPCpu Count] (tmnxCardVFpCpuCount)	long	The value of tmnxCardVFpCpuCount indicates the number of virtual CPUs that the vFP task is running on for the card.
vFPMaxUtilization [VFPMax Utilization] (tmnxCardVFpMaxUtilization)	long	The value of tmnxCardVFpMaxUtilization indicates the maximum CPU utilization of the vFP task on the card.
vFPTaskType [VFPTask Type] (tmnxCardVFpTaskType)	int	The value of tmnxCardVFpTaskType specifies the virtual forwarding plane (vFP) task type. Values: nic - task includes only network interface card work worker - task includes only worker work scheduler - task includes only scheduler work collapsed - task includes NIC and scheduler work combined - task includes NIC, scheduler and worker work

Table 461 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessEgrQDepthInfo</p> <p>MIB entry name: tPortAccEgrQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortAccEgrQGrpQDepthInfoEntry represents queue-depth monitoring information for each access egress port queue-group override queue for which the value of tPortAccEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortAccEgrQGrpQDepthInfoTable): The value of tPortAccEgrQGrpQDepthInfoTable has an entry for each access egress port queue-group override queue for which the value of tPortAccEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.AccessEgrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortAccEgrQGrpQDepthAvgElpsdTme)	String	The value of tPortAccEgrQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (tPortAccEgrQGrpQDepthAvgPollInt)	long	The value of tPortAccEgrQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (tPortAccEgrQGrpQDepthPollPrct1)	double	The value of tPortAccEgrQGrpQDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (tPortAccEgrQGrpQDepthPollPrct10)	double	The value of tPortAccEgrQGrpQDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (tPortAccEgrQGrpQDepthPollPrct2)	double	The value of tPortAccEgrQGrpQDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrnt3 [Depth Poll Prcnt 3] (tPortAccEgrQGrpQDepthPollPrnt3)	double	The value of tPortAccEgrQGrpQDepthPollPrnt3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt4 [Depth Poll Prcnt 4] (tPortAccEgrQGrpQDepthPollPrnt4)	double	The value of tPortAccEgrQGrpQDepthPollPrnt4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt5 [Depth Poll Prcnt 5] (tPortAccEgrQGrpQDepthPollPrnt5)	double	The value of tPortAccEgrQGrpQDepthPollPrnt5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt6 [Depth Poll Prcnt 6] (tPortAccEgrQGrpQDepthPollPrnt6)	double	The value of tPortAccEgrQGrpQDepthPollPrnt6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt7 [Depth Poll Prcnt 7] (tPortAccEgrQGrpQDepthPollPrnt7)	double	The value of tPortAccEgrQGrpQDepthPollPrnt7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt8 [Depth Poll Prcnt 8] (tPortAccEgrQGrpQDepthPollPrnt8)	double	The value of tPortAccEgrQGrpQDepthPollPrnt8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrnt9 [Depth Poll Prcnt 9] (tPortAccEgrQGrpQDepthPollPrnt9)	double	The value of tPortAccEgrQGrpQDepthPollPrnt9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessIngrQDepthInfo</p> <p>MIB entry name: tPortAcclngQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortAcclngQGrpQDepthInfoEntry represents queue-depth monitoring information for each access ingress port queue-group override queue for which the value of tPortAcclngQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortAcclngQGrpQDepthInfoTable): The value of tPortAcclngQGrpQDepthInfoTable has an entry for each access ingress port queue-group override queue for which the value of tPortAcclngQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.AccessIngrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortAcclngQGrpQDepthAvgElpsdTme)	String	The value of tPortAcclngQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctlInterval [Depth Avg Poll Prctl Interval] (tPortAcclngQGrpQDepthAvgPollInt)	long	The value of tPortAcclngQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrctl1 [Depth Poll Prctl 1] (tPortAcclngQGrpQDepthPollPrctl1)	double	The value of tPortAcclngQGrpQDepthPollPrctl1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrctl10 [Depth Poll Prctl 10] (tPortAcclngQGrpQDepthPollPrctl10)	double	The value of tPortAcclngQGrpQDepthPollPrctl10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrctl2 [Depth Poll Prctl 2] (tPortAcclngQGrpQDepthPollPrctl2)	double	The value of tPortAcclngQGrpQDepthPollPrctl2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct3 [Depth Poll Prct 3] (tPortAcclngQGrpQDepthPollPrct3)	double	The value of tPortAcclngQGrpQDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (tPortAcclngQGrpQDepthPollPrct4)	double	The value of tPortAcclngQGrpQDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (tPortAcclngQGrpQDepthPollPrct5)	double	The value of tPortAcclngQGrpQDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (tPortAcclngQGrpQDepthPollPrct6)	double	The value of tPortAcclngQGrpQDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (tPortAcclngQGrpQDepthPollPrct7)	double	The value of tPortAcclngQGrpQDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (tPortAcclngQGrpQDepthPollPrct8)	double	The value of tPortAcclngQGrpQDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (tPortAcclngQGrpQDepthPollPrct9)	double	The value of tPortAcclngQGrpQDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CohOptPortStats MIB entry name: tmnxCohOptPortStatsEntry Entry description: Each row entry includes statistics for a DWDM coherent optical port in the system. Entries cannot be created or deleted via SNMP SET operations. Table description (for tmnxCohOptPortStatsTable): The tmnxCohOptPortStatsTable contains statistics information for DWDM coherent optical ports in the Nokia SROS system. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
cohOptPortRxBER [Coh Opt Port Rx BER] (tmnxCohOptPortRxBER)	long	The value of tmnxCohOptPortRxBER indicates the RX Bit Error Rate (BER) since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERAvg [Coh Opt Port Rx BERAvg] (tmnxCohOptPortRxBERAvg)	long	The value of tmnxCohOptPortRxBERAvg indicates the RX average BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMax [Coh Opt Port Rx BERMax] (tmnxCohOptPortRxBERMax)	long	The value of tmnxCohOptPortRxBERMax indicates the RX maximum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMin [Coh Opt Port Rx BERMin] (tmnxCohOptPortRxBERMin)	long	The value of tmnxCohOptPortRxBERMin indicates the RX minimum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxChromaticDisp [Coh Opt Port Rx Chromatic Disp] (tmnxCohOptPortRxChromaticDisp)	long	The value of tmnxCohOptPortRxChromaticDisp indicates the RX chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispAvg [Coh Opt Port Rx Chromatic Disp Avg] (tmnxCohOptPortRxChromaticDispAvg)	long	The value of tmnxCohOptPortRxChromaticDispAvg indicates the RX average chromatic dispersion since the last port statistics clear.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxChromaticDispMax [Coh Opt Port Rx Chromatic Disp Max] (tmnxCohOptPortRxChromaticDispMax)	long	The value of tmnxCohOptPortRxChromaticDispMax indicates the RX maximum chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispMin [Coh Opt Port Rx Chromatic Disp Min] (tmnxCohOptPortRxChromaticDispMin)	long	The value of tmnxCohOptPortRxChromaticDispMin indicates the RX minimum chromatic dispersion since the last port statistics clear.
cohOptPortRxDiffGrpDly [Coh Opt Port Rx Diff Grp Dly] (tmnxCohOptPortRxDiffGrpDly)	long	The value of tmnxCohOptPortRxDiffGrpDly indicates the RX differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyAvg [Coh Opt Port Rx Diff Grp Dly Avg] (tmnxCohOptPortRxDiffGrpDlyAvg)	long	The value of tmnxCohOptPortRxDiffGrpDlyAvg indicates the RX average differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMax [Coh Opt Port Rx Diff Grp Dly Max] (tmnxCohOptPortRxDiffGrpDlyMax)	long	The value of tmnxCohOptPortRxDiffGrpDlyMax indicates the RX maximum differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMin [Coh Opt Port Rx Diff Grp Dly Min] (tmnxCohOptPortRxDiffGrpDlyMin)	long	The value of tmnxCohOptPortRxDiffGrpDlyMin indicates the RX minimum differential group delay since the last port statistics clear.
cohOptPortRxFreqOffset [Coh Opt Port Rx Freq Offset] (tmnxCohOptPortRxFreqOffset)	long	The value of tmnxCohOptPortRxFreqOffset indicates the RX frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetAvg [Coh Opt Port Rx Freq Offset Avg] (tmnxCohOptPortRxFreqOffsetAvg)	long	The value of tmnxCohOptPortRxFreqOffsetAvg indicates the RX average frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetMax [Coh Opt Port Rx Freq Offset Max] (tmnxCohOptPortRxFreqOffsetMax)	long	The value of tmnxCohOptPortRxFreqOffsetMax indicates the RX maximum frequency offset since the last port statistics clear.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxFreqOffsetMin [Coh Opt Port Rx Freq Offset Min] (tmnxCohOptPortRxFreqOffsetMin)	long	The value of tmnxCohOptPortRxFreqOffsetMin indicates the RX minimum frequency offset since the last port statistics clear.
cohOptPortRxPower [Coh Opt Port Rx Power] (tmnxCohOptPortRxPower)	float	The value of tmnxCohOptPortRxPower indicates the RX optical power since the last port statistics clear.
cohOptPortRxPowerAvg [Coh Opt Port Rx Power Avg] (tmnxCohOptPortRxPowerAvg)	float	The value of tmnxCohOptPortRxPowerAvg indicates the RX average optical power since the last port statistics clear.
cohOptPortRxPowerMax [Coh Opt Port Rx Power Max] (tmnxCohOptPortRxPowerMax)	float	The value of tmnxCohOptPortRxPowerMax indicates the RX maximum optical power since the last port statistics clear.
cohOptPortRxPowerMin [Coh Opt Port Rx Power Min] (tmnxCohOptPortRxPowerMin)	float	The value of tmnxCohOptPortRxPowerMin indicates the RX minimum optical power since the last port statistics clear.
cohOptPortRxQ [Coh Opt Port Rx Q] (tmnxCohOptPortRxQ)	long	The value of tmnxCohOptPortRxQ indicates the RX Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQAvg [Coh Opt Port Rx QAvg] (tmnxCohOptPortRxQAvg)	long	The value of tmnxCohOptPortRxQAvg indicates the RX average Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMax [Coh Opt Port Rx QMax] (tmnxCohOptPortRxQMax)	long	The value of tmnxCohOptPortRxQMax indicates the RX maximum Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMin [Coh Opt Port Rx QMin] (tmnxCohOptPortRxQMin)	long	The value of tmnxCohOptPortRxQMin indicates the RX minimum Q since the last port statistics clear, represented in tenths of a dB.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxSNR [Coh Opt Port Rx SNR] (tmnxCohOptPortRxSNR)	long	The value of tmnxCohOptPortRxSNR indicates the RX Signal-to-Noise Ratio (SNR) since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRAvg [Coh Opt Port Rx SNRAvg] (tmnxCohOptPortRxSNRAvg)	long	The value of tmnxCohOptPortRxSNRAvg indicates the RX average SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMax [Coh Opt Port Rx SNRMax] (tmnxCohOptPortRxSNRMax)	long	The value of tmnxCohOptPortRxSNRMax indicates the RX maximum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMin [Coh Opt Port Rx SNRMin] (tmnxCohOptPortRxSNRMin)	long	The value of tmnxCohOptPortRxSNRMin indicates the RX minimum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortStatsElapsedSec [Coh Opt Port Stats Elapsed Sec] (tmnxCohOptPortStatsElapsedSec)	long	The value of tmnxCohOptPortStatsElapsedSec indicates the number of elapsed seconds since the start of coherent optical stats collection after the last port statistics clear.
cohOptPortTxPower [Coh Opt Port Tx Power] (tmnxCohOptPortTxPower)	float	The value of tmnxCohOptPortTxPower indicates the TX optical power since the last port statistics clear.
cohOptPortTxPowerAvg [Coh Opt Port Tx Power Avg] (tmnxCohOptPortTxPowerAvg)	float	The value of tmnxCohOptPortTxPowerAvg indicates the TX average optical power since the last port statistics clear.
cohOptPortTxPowerMax [Coh Opt Port Tx Power Max] (tmnxCohOptPortTxPowerMax)	float	The value of tmnxCohOptPortTxPowerMax indicates the TX maximum optical power since the last port statistics clear.
cohOptPortTxPowerMin [Coh Opt Port Tx Power Min] (tmnxCohOptPortTxPowerMin)	float	The value of tmnxCohOptPortTxPowerMin indicates the TX minimum optical power since the last port statistics clear.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>NetworkEgrQDepthInfo MIB entry name: tPortNetEgrQGrpQDepthInfoEntry Entry description: The value of tPortNetEgrQGrpQDepthInfoEntry represents queue-depth monitoring information for each network egress port queue-group override queue for which the value of tPortNetEgrQOverMonitorDepth is set to 'true (1)'. Table description (for tPortNetEgrQGrpQDepthInfoTable): The value of tPortNetEgrQGrpQDepthInfoTable has an entry for each network egress port queue-group override queue for which the value of tPortNetEgrQOverMonitorDepth is set to 'true (1)'. Supports realtime plotting Supports scheduled collection Monitored class: ethernetequipment.NetworkEgrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortNetEgrQGrpQDepthAvgElpsdTme)	String	The value of tPortNetEgrQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctlInterval [Depth Avg Poll Prctl Interval] (tPortNetEgrQGrpQDepthAvgPollInt)	long	The value of tPortNetEgrQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrctl1 [Depth Poll Prctl 1] (tPortNetEgrQGrpQDepthPollPrctl1)	double	The value of tPortNetEgrQGrpQDepthPollPrctl1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrctl10 [Depth Poll Prctl 10] (tPortNetEgrQGrpQDepthPollPrctl10)	double	The value of tPortNetEgrQGrpQDepthPollPrctl10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct2 [Depth Poll Prct 2] (tPortNetEgrQGrpQDepthPollPrct2)	double	The value of tPortNetEgrQGrpQDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (tPortNetEgrQGrpQDepthPollPrct3)	double	The value of tPortNetEgrQGrpQDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (tPortNetEgrQGrpQDepthPollPrct4)	double	The value of tPortNetEgrQGrpQDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (tPortNetEgrQGrpQDepthPollPrct5)	double	The value of tPortNetEgrQGrpQDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (tPortNetEgrQGrpQDepthPollPrct6)	double	The value of tPortNetEgrQGrpQDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (tPortNetEgrQGrpQDepthPollPrct7)	double	The value of tPortNetEgrQGrpQDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (tPortNetEgrQGrpQDepthPollPrct8)	double	The value of tPortNetEgrQGrpQDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (tPortNetEgrQGrpQDepthPollPrct9)	double	The value of tPortNetEgrQGrpQDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OtulfStats</p> <p>MIB entry name: tmnxOtulfRawStatsEntry</p> <p>Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable.</p> <p>Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).
fecUas [Fec Uas] (tmnxOtulfRawStatsFECUAS)	long	The value of tmnxOtulfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsOFFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.
ofSmBip8 [Of Sm Bip 8] (tmnxOtuIfRawStatsOF SMBIP8)	long	The value of tmnxOtuIfRawStatsOF SMBIP8 indicates the number of times the tmnxOtuIfRawStatsSMBIP8 overflowed.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBei [Pm Bei] (tmnxOtulfRawStatsPMBEI)	long	The value of tmnxOtulfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtulfRawStatsPMBIP8)	long	The value of tmnxOtulfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtulfRawStatsPMES)	long	The value of tmnxOtulfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtulfRawStatsPMSES)	long	The value of tmnxOtulfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtulfRawStatsPMUAS)	long	The value of tmnxOtulfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtulfRawStatsPPJ)	long	The value of tmnxOtulfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtulfRawStatsSMBEI)	long	The value of tmnxOtulfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.
smBip8 [Sm Bip 8] (tmnxOtulfRawStatsSMBIP8)	long	The value of tmnxOtulfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smEs [Sm Es] (tmnxOtuIfRawStatsSMES)	long	The value of tmnxOtuIfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtuIfRawStatsSMSES)	long	The value of tmnxOtuIfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtuIfRawStatsSMUAS)	long	The value of tmnxOtuIfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. In release 11.0, tPortAccEgrQGrpInStanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortEgrQosQStatTable. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressExpShaperHLStats</p> <p>MIB entry name: tPortEgrExpShaperStatsHLEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsHLEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsHLTable): The tPortEgrExpShaperStatsHLTable contains the statistics of each egress expanded shaper at the port level configured on this system represented in higher 32 and lower 32 bit objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOctsH [Port Egr Exp Shaper Agg St Fwd Octs H] (tPortEgrExpShaperAggStFwdOctsH)	long	The value of tPortEgrExpShaperAggStFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdOctsL [Port Egr Exp Shaper Agg St Fwd Octs L] (tPortEgrExpShaperAggStFwdOctsL)	long	The value of tPortEgrExpShaperAggStFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdPktsH [Port Egr Exp Shaper Agg St Fwd Pkts H] (tPortEgrExpShaperAggStFwdPktsH)	long	The value of tPortEgrExpShaperAggStFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperAggStFwdPktsL [Port Egr Exp Shaper Agg St Fwd Pkts L] (tPortEgrExpShaperAggStFwdPktsL)	long	The value of tPortEgrExpShaperAggStFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperCls1StFwdOctsH [Port Egr Exp Shaper Cls 1 St Fwd Octs H] (tPortEgrExpShaperCls1StFwdOctsH)	long	The value of tPortEgrExpShaperCls1StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.
portEgrExpShaperCls1StFwdOctsL [Port Egr Exp Shaper Cls 1 St Fwd Octs L] (tPortEgrExpShaperCls1StFwdOctsL)	long	The value of tPortEgrExpShaperCls1StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdPktsH [Port Egr Exp Shaper Cls 1 St Fwd Pkts H] (tPortEgrExpShaperCls1StFwdPktsH)	long	The value of tPortEgrExpShaperCls1StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls1StFwdPktsL [Port Egr Exp Shaper Cls 1 St Fwd Pkts L] (tPortEgrExpShaperCls1StFwdPktsL)	long	The value of tPortEgrExpShaperCls1StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdOctsH [Port Egr Exp Shaper Cls 4 St Fwd Octs H] (tPortEgrExpShaperCls4StFwdOctsH)	long	The value of tPortEgrExpShaperCls4StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdOcts.
portEgrExpShaperCls4StFwdOctsL [Port Egr Exp Shaper Cls 4 St Fwd Octs L] (tPortEgrExpShaperCls4StFwdOctsL)	long	The value of tPortEgrExpShaperCls4StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdOcts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdOctsH [Port Egr Exp Shaper Cls 5 St Fwd Octs H] (tPortEgrExpShaperCls5StFwdOctsH)	long	The value of tPortEgrExpShaperCls5StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdOcts.
portEgrExpShaperCls5StFwdOctsL [Port Egr Exp Shaper Cls 5 St Fwd Octs L] (tPortEgrExpShaperCls5StFwdOctsL)	long	The value of tPortEgrExpShaperCls5StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdOcts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdOctsH [Port Egr Exp Shaper Cls 6 St Fwd Octs H] (tPortEgrExpShaperCls6StFwdOctsH)	long	The value of tPortEgrExpShaperCls6StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdOctsL [Port Egr Exp Shaper Cls 6 St Fwd Octs L] (tPortEgrExpShaperCls6StFwdOctsL)	long	The value of tPortEgrExpShaperCls6StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdPktsH [Port Egr Exp Shaper Cls 6 St Fwd Pkts H] (tPortEgrExpShaperCls6StFwdPktsH)	long	The value of tPortEgrExpShaperCls6StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls6StFwdPktsL [Port Egr Exp Shaper Cls 6 St Fwd Pkts L] (tPortEgrExpShaperCls6StFwdPktsL)	long	The value of tPortEgrExpShaperCls6StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls7StFwdOctsH [Port Egr Exp Shaper Cls 7 St Fwd Octs H] (tPortEgrExpShaperCls7StFwdOctsH)	long	The value of tPortEgrExpShaperCls7StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdOctsL [Port Egr Exp Shaper Cls 7 St Fwd Octs L] (tPortEgrExpShaperCls7StFwdOctsL)	long	The value of tPortEgrExpShaperCls7StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdPktsH [Port Egr Exp Shaper Cls 7 St Fwd Pkts H] (tPortEgrExpShaperCls7StFwdPktsH)	long	The value of tPortEgrExpShaperCls7StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls7StFwdPktsL [Port Egr Exp Shaper Cls 7 St Fwd Pkts L] (tPortEgrExpShaperCls7StFwdPktsL)	long	The value of tPortEgrExpShaperCls7StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls8StFwdOctsH [Port Egr Exp Shaper Cls 8 St Fwd Octs H] (tPortEgrExpShaperCls8StFwdOctsH)	long	The value of tPortEgrExpShaperCls8StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls8StFwdOctsL [Port Egr Exp Shaper Cls 8 St Fwd Octs L] (tPortEgrExpShaperCls8StFwdOctsL)	long	The value of tPortEgrExpShaperCls8StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.
portEgrExpShaperCls8StFwdPktsH [Port Egr Exp Shaper Cls 8 St Fwd Pkts H] (tPortEgrExpShaperCls8StFwdPktsH)	long	The value of tPortEgrExpShaperCls8StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
portEgrExpShaperCls8StFwdPktsL [Port Egr Exp Shaper Cls 8 St Fwd Pkts L] (tPortEgrExpShaperCls8StFwdPktsL)	long	The value of tPortEgrExpShaperCls8StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
<p>PortEgressExpShaperStats</p> <p>MIB entry name: tPortEgrExpShaperStatsEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsTable): The tPortEgrExpShaperStatsTable contains the statistics of each egress expanded shaper at the port level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrExpShaperStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOcts [Port Egr Exp Shaper Agg St Fwd Octs] (tPortEgrExpShaperAggStFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdOcts indicates the aggregate number of octets forwarded by all of the classes of this egress expanded shaper.
portEgrExpShaperAggStFwdPkts [Port Egr Exp Shaper Agg St Fwd Pkts] (tPortEgrExpShaperAggStFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdPkts indicates the aggregate number of packets forwarded by all of the classes of this egress expanded shaper.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdOcts [Port Egr Exp Shaper Cls 1 St Fwd Octs] (tPortEgrExpShaperCls1StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdOcts indicates the number of octets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StFwdPkts [Port Egr Exp Shaper Cls 1 St Fwd Pkts] (tPortEgrExpShaperCls1StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdPkts indicates the number of packets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StMonOvrOct [Port Egr Exp Shaper Cls 1 St Mon Ovr Oct] (tPortEgrExpShaperCls1StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '1' egress expanded shaper.
portEgrExpShaperCls2StFwdOcts [Port Egr Exp Shaper Cls 2 St Fwd Octs] (tPortEgrExpShaperCls2StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdOcts indicates the number of octets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StFwdPkts [Port Egr Exp Shaper Cls 2 St Fwd Pkts] (tPortEgrExpShaperCls2StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdPkts indicates the number of packets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StMonOvrOct [Port Egr Exp Shaper Cls 2 St Mon Ovr Oct] (tPortEgrExpShaperCls2StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '2' egress expanded shaper.
portEgrExpShaperCls3StFwdOcts [Port Egr Exp Shaper Cls 3 St Fwd Octs] (tPortEgrExpShaperCls3StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdOcts indicates the number of octets forwarded by the class '3' egress expanded shaper.
portEgrExpShaperCls3StFwdPkts [Port Egr Exp Shaper Cls 3 St Fwd Pkts] (tPortEgrExpShaperCls3StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdPkts indicates the number of packets forwarded by the class '3' egress expanded shaper.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StMonOvrOct [Port Egr Exp Shaper Cls 3 St Mon Ovr Oct] (tPortEgrExpShaperCls3StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '3' egress expanded shaper.
portEgrExpShaperCls4StFwdOcts [Port Egr Exp Shaper Cls 4 St Fwd Octs] (tPortEgrExpShaperCls4StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdOcts indicates the number of octets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StFwdPkts [Port Egr Exp Shaper Cls 4 St Fwd Pkts] (tPortEgrExpShaperCls4StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdPkts indicates the number of packets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StMonOvrOct [Port Egr Exp Shaper Cls 4 St Mon Ovr Oct] (tPortEgrExpShaperCls4StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '4' egress expanded shaper.
portEgrExpShaperCls5StFwdOcts [Port Egr Exp Shaper Cls 5 St Fwd Octs] (tPortEgrExpShaperCls5StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdOcts indicates the number of octets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StFwdPkts [Port Egr Exp Shaper Cls 5 St Fwd Pkts] (tPortEgrExpShaperCls5StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdPkts indicates the number of packets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StMonOvrOct [Port Egr Exp Shaper Cls 5 St Mon Ovr Oct] (tPortEgrExpShaperCls5StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '5' egress expanded shaper.
portEgrExpShaperCls6StFwdOcts [Port Egr Exp Shaper Cls 6 St Fwd Octs] (tPortEgrExpShaperCls6StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdOcts indicates the number of octets forwarded by the class '6' egress expanded shaper.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdPkts [Port Egr Exp Shaper Cls 6 St Fwd Pkts] (tPortEgrExpShaperCls6StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdPkts indicates the number of packets forwarded by the class '6' egress expanded shaper.
portEgrExpShaperCls6StMonOvrOct [Port Egr Exp Shaper Cls 6 St Mon Ovr Oct] (tPortEgrExpShaperCls6StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '6' egress expanded shaper.
portEgrExpShaperCls7StFwdOcts [Port Egr Exp Shaper Cls 7 St Fwd Octs] (tPortEgrExpShaperCls7StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdOcts indicates the number of octets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StFwdPkts [Port Egr Exp Shaper Cls 7 St Fwd Pkts] (tPortEgrExpShaperCls7StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdPkts indicates the number of packets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StMonOvrOct [Port Egr Exp Shaper Cls 7 St Mon Ovr Oct] (tPortEgrExpShaperCls7StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '7' egress expanded shaper.
portEgrExpShaperCls8StFwdOcts [Port Egr Exp Shaper Cls 8 St Fwd Octs] (tPortEgrExpShaperCls8StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdOcts indicates the number of octets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StFwdPkts [Port Egr Exp Shaper Cls 8 St Fwd Pkts] (tPortEgrExpShaperCls8StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdPkts indicates the number of packets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StMonOvrOct [Port Egr Exp Shaper Cls 8 St Mon Ovr Oct] (tPortEgrExpShaperCls8StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '8' egress expanded shaper.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of forwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of forwarded packets by the egress queue group arbiter Pchip.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpExdProfOcts [Port Net Egr QGrp PSt Drp Exd Prof Octs] (tPortNetEgrQGrpPStDrpExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpExdProfOcts indicates the number of exceed-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStDrpExdProfPkts [Port Net Egr QGrp PSt Drp Exd Prof Pkts] (tPortNetEgrQGrpPStDrpExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpExdProfPkts indicates the number of exceed-profile packets discarded by the egress Pchip.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInPlusProfOcts [Port Net Egr QGrp PSt Drp In Plus Prof Octs] (tPortNetEgrQGrpPStDrpInPProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStDrpInPlusProfPkts [Port Net Egr QGrp PSt Drp In Plus Prof Pkts] (tPortNetEgrQGrpPStDrpInPProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInPProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdExdProfOcts [Port Net Egr QGrp PSt Fwd Exd Prof Octs] (tPortNetEgrQGrpPStFwdExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdExdProfOcts indicates the number of exceed-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdExdProfPkts [Port Net Egr QGrp PSt Fwd Exd Prof Pkts] (tPortNetEgrQGrpPStFwdExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdExdProfPkts indicates the number of exceed-profile packets forwarded by the egress Pchip.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdInPlusProfOcts [Port Net Egr QGrp PSt Fwd In Plus Prof Octs] (tPortNetEgrQGrpPStFwdInPProfOcts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInPlusProfPkts [Port Net Egr QGrp PSt Fwd In Plus Prof Pkts] (tPortNetEgrQGrpPStFwdInPProfPkts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInPProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffExdProfOcts [Port Net Egr QGrp PSt Off Exd Prof Octs] (tPortNetEgrQGrpPStOffExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.
portNetEgrQGrpPStOffExdProfPkts [Port Net Egr QGrp PSt Off Exd Prof Pkts] (tPortNetEgrQGrpPStOffExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInPlusProfOcts [Port Net Egr QGrp PSt Off In Plus Prof Octs] (tPortNetEgrQGrpPStOffInPProfOcts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInPProfOcts indicates the number of inplus-profile octets offered by the egress Pchip.
portNetEgrQGrpPStOffInPlusProfPkts [Port Net Egr QGrp PSt Off In Plus Prof Pkts] (tPortNetEgrQGrpPStOffInPProfPkts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInPProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrplnstanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>WaveLengthTrackerOpticalStats</p> <p>MIB entry name: tmnxOpticalPortOperEntry</p> <p>Entry description: Each row entry represents an Optical port on a IOM card in a chassis in the system. The tmnxOpticalPortOperEntry contains attributes that are unique to the Optical ports.</p> <p>Table description (for tmnxOpticalPortOperTable): The tmnxOpticalPortOperTable has an entry for each DWDM Optical port on each IOM card in each chassis in the Nokia SROS system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		
opticalAmpPowerIn [Optical Amp Power In] (tmnxOpticalPortAmpPowerIn)	float	The value of tmnxOpticalPortAmpPowerIn indicates the received average optical power at the input of the optical amplifier. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WaveLengthTrackerStats</p> <p>MIB entry name: tmnxWaveTrackerEntry</p> <p>Entry description: Each row entry represents a Wave Tracker capable port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. The tmnxWaveTrackerEntry contains attributes that are unique to the Wave Tracker capable ports.</p> <p>Table description (for tmnxWaveTrackerTable): The tmnxWaveTrackerTable has an entry for each Wavelength Tracker port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		
targetPower [Target Power] (tmnxWaveTrackerTargetPower)	float	The value of tmnxWaveTrackerTargetPower specifies the desired average output power of the interface's transmitted optical signal when tmnxWaveTrackerPowerCtrlEnable is set to 'true (1)'. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerLowerPowerMargin [Wave Tracker Lower Power Margin] (tmnxWaveTrackerLowerPowerMargin)	float	tmnxWaveTrackerLowerPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be decreased. The UNITS mBm are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.
waveTrackerMeasuredPower [Wave Tracker Measured Power] (tmnxWaveTrackerMeasuredPower)	float	tmnxWaveTrackerMeasuredPower indicates the current average output power of the interface's transmitted optical signal. The UNITS mBm are units of 0.01 dBm or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.

Table 461 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
waveTrackerUpperPowerMargin [Wave Tracker Upper Power Margin] (tmnxWaveTrackerUpperPowerMargin)	float	tmnxWaveTrackerUpperPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be increased. The UNITS millibels (mB) are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.

Table 462 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)	long	The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 462 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmGlobalOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmGlobalOpcodeEntry</p> <p>Entry description: A Global Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmGlobalOpcodeTable): tmnxDot1agCfmGlobalOpcodeTable consists of global statistics that are kept in the receive and transmit direction on the node for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.CfmGlobalOpcode</p>		
globalOpcode [Global Opcode] (tmnxDot1agCfmGlobalOpcode)	int	Integer that defines which CFM PDU Opcode the statistics refer to.
globalOpcodeRx [Global Opcode Rx] (tmnxDot1agCfmGlobalOpcodeRx)	long	The total number of PDUs received on the node with the specified Opcode.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
globalOpcodeTx [Global Opcode Tx] (tmnxDot1agCfmGlobalOpcodeTx)	long	The total number of PDUs transmitted from the node with the specified Opcode.
<p>CfmLmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossLmmEntry</p> <p>Entry description: tmnxOamPmStsLossLmmEntry contains the LMM test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmStsBaseTable row is created with tmnxOamPmStsBaseTestType = 'lmm(4)'. A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. The following objects are modelled after the MEF-35 loss parameters defined for Synthetic Loss Measurement (SLM) tests: tmnxOamPmStsLossLmmAvailIndBwd, tmnxOamPmStsLossLmmAvailIndFwd, tmnxOamPmStsLossLmmChliBwd, tmnxOamPmStsLossLmmChliFwd, tmnxOamPmStsLossLmmHliBwd, tmnxOamPmStsLossLmmHliFwd, tmnxOamPmStsLossLmmUnavIndBwd, and tmnxOamPmStsLossLmmUnavIndFwd. Hence, the REFERENCE text for this object is a MEF-35 SLM section. The value of tmnxOamPmCfgLossLmmAvAdminStatus controls the value of several objects in this table. See the tmnxOamPmCfgLossLmmAvAdminStatus DESCRIPTION clause for more information. When a test is running, the LMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all raw LMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossLmmTable): tmnxOamPmStsLossLmmTable contains the frame loss statistics for OAM Performance Monitoring LMM (Loss Measurement Message) tests.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmLmmSession</p>		
pmLmmAvailIndBwd [Pm Lmm Avail Ind Bwd] (tmnxOamPmStsLossLmmAvailIndBwd)	long	The value of tmnxOamPmStsLossLmmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmLmmAvailIndFwd [Pm Lmm Avail Ind Fwd] (tmnxOamPmStsLossLmmAvailIndFwd)	long	The value of tmnxOamPmStsLossLmmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmAvgFlrBwd [Pm Lmm Avg Flr Bwd] (tmnxOamPmStsLossLmmAvgFlrBwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmAvgFlrFwd [Pm Lmm Avg Flr Fwd] (tmnxOamPmStsLossLmmAvgFlrFwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmChliBwd [Pm Lmm Chli Bwd] (tmnxOamPmStsLossLmmChliBwd)	long	The value of tmnxOamPmStsLossLmmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmLmmChliFwd [Pm Lmm Chli Fwd] (tmnxOamPmStsLossLmmChliFwd)	long	The value of tmnxOamPmStsLossLmmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmLmmHliBwd [Pm Lmm Hli Bwd] (tmnxOamPmStsLossLmmHliBwd)	long	The value of tmnxOamPmStsLossLmmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmLmmHliFwd [Pm Lmm Hli Fwd] (tmnxOamPmStsLossLmmHliFwd)	long	The value of tmnxOamPmStsLossLmmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmLmmMaxFlrBwd [Pm Lmm Max Flr Bwd] (tmnxOamPmStsLossLmmMaxFlrBwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmMaxFlrFwd [Pm Lmm Max Flr Fwd] (tmnxOamPmStsLossLmmMaxFlrFwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrBwd [Pm Lmm Min Flr Bwd] (tmnxOamPmStsLossLmmMinFlrBwd)	long	The value of tmnxOamPmStsLossLmmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrFwd [Pm Lmm Min Flr Fwd] (tmnxOamPmStsLossLmmMinFlrFwd)	long	The value of tmnxOamPmStsLossLmmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxBwd [Pm Lmm Rx Bwd] (tmnxOamPmStsLossLmmRxBwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmRxBwd indicates the number of service frames received in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxFwd [Pm Lmm Rx Fwd] (tmnxOamPmStsLossLmmRxFwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmRxFwd indicates the number of service frames received in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxBwd [Pm Lmm Tx Bwd] (tmnxOamPmStsLossLmmTxBwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmTxBwd indicates the number of service frames transmitted in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxFwd [Pm Lmm Tx Fwd] (tmnxOamPmStsLossLmmTxFwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmTxFwd indicates the number of service frames transmitted in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.

Table 462 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUnavailIndBwd [Pm Lmm Unavail Ind Bwd] (tmnxOamPmStsLossLmmUnavailIndBwd)	long	The value of tmnxOamPmStsLossLmmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmLmmUnavailIndFwd [Pm Lmm Unavail Ind Fwd] (tmnxOamPmStsLossLmmUnavailIndFwd)	long	The value of tmnxOamPmStsLossLmmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmLmmUndtAvlBwd [Pm Lmm Undt Avl Bwd] (tmnxOamPmStsLossLmmUndtAvlBwd)	long	The value of tmnxOamPmStsLossLmmUndtAvlBwd indicates the number of availability indicators evaluated as Undetermined Available, in the backward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the availability indicator is Undetermined Available because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Available).
pmLmmUndtAvlFwd [Pm Lmm Undt Avl Fwd] (tmnxOamPmStsLossLmmUndtAvlFwd)	long	The value of tmnxOamPmStsLossLmmUndtAvlFwd indicates the number of availability indicators evaluated as Undetermined Available, in the forward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the availability indicator is Undetermined Available because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Available).

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUndtDeltaBwd [Pm Lmm Undt Delta Bwd] (tmnxOamPmStsLossLmmUndetDelTsBwd)	long	The value of tmnxOamPmStsLossLmmUndetDelTsBwd indicates the number of undetermined MEF-35 'delta_t's (also known as 'Small Time Intervals') for the backward direction for the specified measurement interval data set. An undetermined delta_t occurs when no Loss Measurement Reply (LMR) PDUs are received during the time interval. This counter is incremented because of a problem with the data path, or because the MEF-35 delta_t for this test is too short. delta_t is configured using tmnxOamPmCfgLossLmmInterval and tmnxOamPmCfgLossLmmTxFrmsPerDelT.
pmLmmUndtDeltaFwd [Pm Lmm Undt Delta Fwd] (tmnxOamPmStsLossLmmUndetDelTsFwd)	long	The value of tmnxOamPmStsLossLmmUndetDelTsFwd indicates the number of undetermined MEF-35 'delta_t's (also known as 'Small Time Intervals') for the forward direction for the specified measurement interval data set. An undetermined delta_t occurs when no Loss Measurement Reply (LMR) PDUs are received during the time interval. This counter is incremented because of a problem with the data path, or because the MEF-35 delta_t for this test is too short. delta_t is configured using tmnxOamPmCfgLossLmmInterval and tmnxOamPmCfgLossLmmTxFrmsPerDelT.
pmLmmUndtUnavlBwd [Pm Lmm Undt Unavl Bwd] (tmnxOamPmStsLossLmmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossLmmUndtUnavlBwd indicates the number of availability indicators evaluated as Undetermined Unavailable, in the backward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the availability indicator is Undetermined Unavailable because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Unavailable).

Table 462 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUndtUnaviFwd [Pm Lmm Undt Unavi Fwd] (tmnxOamPmStsLossLmmUndtUnaviFwd)	long	The value of tmnxOamPmStsLossLmmUndtUnaviFwd indicates the number of availability indicators evaluated as Undetermined Unavailable, in the forward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the availability indicator is Undetermined Unavailable because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Unavailable).
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmMepOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmMepOpcodeEntry</p> <p>Entry description: A Mep Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmMepOpcodeTable): tmnxDot1agCfmMepOpcodeTable consists of statistics that are kept in the receive and transmit direction on a MEP for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.CfmMepOpcode</p>		
mepOpcode [Mep Opcode] (tmnxDot1agCfmMepOpcode)	int	The value of tmnxDot1agCfmMepOpcode specifies the CFM PDU Opcode to which the statistics refer.
mepOpcodeRx [Mep Opcode Rx] (tmnxDot1agCfmMepOpcodeRx)	long	The total number of PDUs received on the MEP with the specified Opcode.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mepOpcodeTx [Mep Opcode Tx] (tmnxDot1agCfmMepOpcodeTx)	long	The total number of PDUs transmitted from the MEP with the specified Opcode.
CfmPacketCountStats MIB entry name: tmnxDot1agCfmGlobalPacketStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
globalAisTxActive [Global Ais Tx Active] (tmnxDot1agCfmGlobalAisTxActive)	long	The value of tmnxDot1agCfmGlobalAisTxActive indicates the number of sessions where fault (AIS or other) is actively being transmitted.
globalAisTxFail [Global Ais Tx Fail] (tmnxDot1agCfmGlobalAisTxFail)	long	The value of tmnxDot1agCfmGlobalAisTxFail indicates the number of sessions where fault (AIS or other) can't be transmitted due to lack of resources.
globalPacketDiscard [Global Packet Discard] (tmnxDot1agCfmGlobalPacketDiscard)	long	The value of tmnxDot1agCfmGlobalPacketDiscard indicates the number of packets discarded by ETH-CFM. A packet may be discarded for several reasons including, but not limited to, malformed PDU, invalid TLVs, MEP admin down, etc.
globalPacketDropped [Global Packet Dropped] (tmnxDot1agCfmGlobalPacketDropped)	long	The value of tmnxDot1agCfmGlobalPacketDropped indicates the number of packets dropped by ETH-CFM. A packet is dropped because of resource contention.
globalPacketRxCount [Global Packet Rx Count] (tmnxDot1agCfmGlobalPacketRxCount)	long	The value of tmnxDot1agCfmGlobalPacketRxCount indicates the number of received ETH-CFM packets.
globalPacketTxCount [Global Packet Tx Count] (tmnxDot1agCfmGlobalPacketTxCount)	long	The value of tmnxDot1agCfmGlobalPacketTxCount indicates the number of transmitted ETH-CFM packets.

Table 462 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.CfmSlmSession</p>		

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavailIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavailIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.

Table 462 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OamSysPerfStats MIB entry name: tmnxOamGeneralStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
currentNumberOfSAATests [Current Number Of SAATests] (tmnxOamSysSessionCount)	long	The value of tmnxOamSysSessionCount indicates the number of currently allocated sessions in the OAM general session pool. A test with one of the following test types allocates a session from the OAM general session pool: 1. Filter redirect policy ping test. 2. SDP keep-alive. 3. Static route CPE check. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB. 7. Background ICMP Bridged Residential Gateway ping test. A session is allocated from the OAM general session pool when a test is configured (in the case of some test types) or activated (in the remaining cases). The session is freed when the test is deactivated or deleted. tmnxOamSysSessionCount will not exceed tmnxOamSysSessionLimit. Configuration or activation of a test (with a test type listed above) will fail when tmnxOamSysSessionCount equals tmnxOamSysSessionLimit.
currentTxRateForContinousTests [Current Tx Rate For Continous Tests] (tmnxOamSysPerfCfgTotalTx)	long	The value of tmnxOamSysPerfCfgTotalTx indicates this node's current total configured echo request packet transmission rate, for the set of tests listed in the tmnxOamSysPerfCfgLimitTx DESCRIPTION clause. For example, suppose: a) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and b) several SAA continuous tests are enabled, totalling 2000 echo request packets per second, and c) no other relevant tests are enabled. Then, tmnxOamSysPerfCfgTotalTx will have the value 3000. The value of tmnxOamSysPerfCfgTotalTx will not exceed the value of tmnxOamSysPerfCfgLimitTx.

Table 462 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastClearStatsTime [Last Clear Stats Time] (tmnxOamSysPerfLastClearedTime)	long	The value of tmnxOamSysPerfLastClearedTime indicates the sysUpTime when the following statistics were cleared: tmnxOamSysPerfLocalTestTx, tmnxOamSysPerfRemoteTestRx, and tmnxOamSysPerfReqTypeTable. If the statistics have not been cleared since the last CPM restart, zero is returned. A packet count which is time stamped by this object can be converted to an average packets per second value using, for example, pps = tmnxOamSysPerfLocalTestTx / [(sysUpTime - tmnxOamSysPerfLastClearedTime)/100].
maxNumberOfSAATests [Max Number Of SAATests] (tmnxOamSysSessionLimit)	long	The value of tmnxOamSysSessionLimit indicates the maximum number of sessions in the OAM general session pool. OAM general session pool sessions are allocated and freed as described in the tmnxOamSysSessionCount DESCRIPTION clause.
maxTxRateForAllOamTests [Max Tx Rate For All Oam Tests] (tmnxOamSysPerfOprLimitTx)	long	The value of tmnxOamSysPerfOprLimitTx indicates this node's upper bound on the total echo request packet transmission rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following test types: 1. Background ICMP Bridged Residential Gateway ping test. 2. Filter redirect policy ping test. 3. SDP keep-alive. 4. Static route CPE check. 5. VRRP policy host unreachable ping test. 6. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 7. Any test configured using TIMETRA-OAM-PM-MIB.

Table 462 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxTxRateForContinuousTests [Max Tx Rate For Continuous Tests] (tmnxOamSysPerfCfgLimitTx)	long	The value of tmnxOamSysPerfCfgLimitTx indicates this node's upper bound on the total configured echo request packet transmission rate for a set of test types. The upper bound is enforced to avoid echo request packet transmit overload, i.e. to ensure each enabled test can transmit echo request packets at the test's configured rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following 'always on' test types: 1. Background ICMP Bridged Residential Gateway ping test. 2. Filter redirect policy ping test. 3. SDP keep-alive. 4. Static route CPE check. 5. VRRP policy host unreachable ping test. 6. SAA continuous test (see tmnxOamSaaCtlContinuous). 7. OAM-PM proactive test (see TIMETRA-OAM-PM-MIB::tmnxOamPmCfgSessType). For example, suppose: a) tmnxOamSysPerfCfgLimitTx has the value 4000 echo request packets per second, and b) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and c) several SAA continuous tests are enabled, totalling 3000 echo request packets per second. Then, an attempt to enable an additional SAA continuous test would be rejected with a 'resourceUnavailable(13)' error.
totalNumberOfEchoRequestPacketsReceived [Total Number Of Echo Request Packets Received] (tmnxOamSysPerfRemoteTestRx)	long	The value of tmnxOamSysPerfRemoteTestRx indicates this node's total number of echo request packets received from remotely initiated tests (since the last clear).
totalNumberOfEchoRequestPacketsTransmitted [Total Number Of Echo Request Packets Transmitted] (tmnxOamSysPerfLocalTestTx)	long	The value of tmnxOamSysPerfLocalTestTx indicates this node's total number of echo request packets transmitted by locally initiated tests (since the last clear). The test types are listed in the tmnxOamSysPerfOprLimitTx DESCRIPTION clause.

Table 463 fr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tmnxFRDlcmiEntry</p> <p>Entry description: The Parameters for a particular Data Link Connection Management Interface. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxFRDlcmiTable): The tmnxFRDlcmiTable has an entry for each port in the system that is configured for Frame Relay. It contains the parameters for the Data Link Connection Management Interface (DLCMI) for the frame relay service on this port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: fr.Interface</p>		
lmiDiscardedMessages [Lmi Discarded Messages] (tmnxFRDlcmiDiscardedMsgs)	long	tmnxFRDlcmiDiscardedMsgs indicates the number of times the LMI agent discarded a received message because it wasn't expecting it, the type of message was incorrect, or the contents of the message were invalid.
lmiInvalidRxSeqNumMessages [Lmi Invalid Rx Seq Num Messages] (tmnxFRDlcmiInvRxSeqNumMsgs)	long	tmnxFRDlcmiInvRxSeqNumMsgs indicates the number of times the LMI agent received a message with an invalid receive sequence number: i.e. a sequence number that does not match the last transmitted sequence number of the agent.
lmiRxStatusEnquiryMessages [Lmi Rx Status Enquiry Messages] (tmnxFRDlcmiRxStatusEnqMsgs)	long	tmnxFRDlcmiRxStatusEnqMsgs indicates the number of LMI Status Enquiry messages received on this Frame Relay interface.
lmiRxStatusMessages [Lmi Rx Status Messages] (tmnxFRDlcmiRxStatusMsgs)	long	tmnxFRDlcmiRxStatusMsgs indicates the number of LMI Status messages received on this Frame Relay interface.
lmiStatusEnquiryMsgTimeouts [Lmi Status Enquiry Msg Timeouts] (tmnxFRDlcmiStatusEnqMsgTimeouts)	long	tmnxFRDlcmiStatusEnqMsgTimeouts indicates the number of times the LMI agent did not receive a Status Enquiry message within the allotted time.

Table 463 fr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lmiStatusMsgTimeouts [Lmi Status Msg Timeouts] (tmnxFRDlcmiStatusMsgTimeouts)	long	tmnxFRDlcmiStatusMsgTimeouts indicates the number of times the LMI agent did not receive a Status message within the allotted time.
lmiTxStatusEnquiryMessages [Lmi Tx Status Enquiry Messages] (tmnxFRDlcmiTxStatusEnqMsgs)	long	tmnxFRDlcmiTxStatusEnqMsgs indicates the number of LMI Status Enquiry messages transmitted on this Frame Relay interface.
lmiTxStatusMessages [Lmi Tx Status Messages] (tmnxFRDlcmiTxStatusMsgs)	long	tmnxFRDlcmiTxStatusMsgs indicates the number of LMI Status messages transmitted on this Frame Relay interface.

Table 464 gmplsuni statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: vRtrGmplsPeerStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for GMPLS peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrGmplsPeerStatTable): The vRtrGmplsPeerStatTable contains statistics for GMPLS peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gmplsuni.Peer</p>		
rxAcks [Rx Acks] (vRtrGmplsPeerRxAcks)	java. math. BigInteger	The value of vRtrGmplsPeerRxAcks indicates the total number of RSVP ACK messages that have been received on this RSVP interface when refresh reduction is enabled.
rxBadPktCount [Rx Bad Pkt Count] (vRtrGmplsPeerRxBadPktCount)	java. math. BigInteger	The value of vRtrGmplsPeerRxBadPktCount indicates the total number of bad packets received by this GMPLS Peer.
rxHello [Rx Hello] (vRtrGmplsPeerRxHello)	java. math. BigInteger	The value of vRtrGmplsPeerRxHello indicates the number of RSVP HELLO messages received by this GMPLS Peer.
rxNotify [Rx Notify] (vRtrGmplsPeerRxNotify)	java. math. BigInteger	The value of vRtrGmplsPeerRxNotify indicates the total number of notification messages received by this GMPLS Peer.
rxPathErr [Rx Path Err] (vRtrGmplsPeerRxPathErr)	java. math. BigInteger	The value of vRtrGmplsPeerRxPathErr indicates the total number of RSVP PATH ERROR messages that have been received by this GMPLS Peer.

Table 464 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPathTear [Rx Path Tear] (vRtrGmplsPeerRxPathTear)	java. math. BigInteger	The value of vRtrGmplsPeerRxPathTear indicates the number of RSVP PATH TEAR messages that have been received from this GMPLS Peer.
rxPaths [Rx Paths] (vRtrGmplsPeerRxPaths)	java. math. BigInteger	The value of vRtrGmplsPeerRxPaths indicates the total number of RSVP PATH messages that have been received by this GMPLS Peer.
rxResv [Rx Resv] (vRtrGmplsPeerRxResv)	java. math. BigInteger	The value of vRtrGmplsPeerRxResv indicates the total number of RSVP RESV messages that have been received by this GMPLS Peer.
rxResvTear [Rx Resv Tear] (vRtrGmplsPeerRxResvTear)	java. math. BigInteger	The value of vRtrGmplsPeerRxResvTear indicates the total number of RSVP RESV TEAR messages that have been received by this GMPLS Peer.
rxSRefreshes [Rx SRefreshes] (vRtrGmplsPeerRxSRefreshes)	java. math. BigInteger	The value of vRtrGmplsPeerRxSRefreshes indicates the total number of summary refresh, SREFRESH, messages that have been received on this RSVP interface.
txAcks [Tx Acks] (vRtrGmplsPeerTxAcks)	java. math. BigInteger	The value of vRtrGmplsPeerTxAcks indicates the total number of RSVP ACK messages that have been transmitted on this RSVP interface when refresh reduction is enabled.
txHello [Tx Hello] (vRtrGmplsPeerTxHello)	java. math. BigInteger	The value of vRtrGmplsPeerTxHello indicates the number of RSVP HELLO messages transmitted by this GMPLS Peer.
txNotify [Tx Notify] (vRtrGmplsPeerTxNotify)	java. math. BigInteger	The value of vRtrGmplsPeerTxNotify indicates the total number of notification messages transmitted by this GMPLS Peer.

Table 464 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPathErr [Tx Path Err] (vRtrGmplsPeerTxPathErr)	java. math. BigInteger	The value of vRtrGmplsPeerTxPathErr indicates the total number of RSVP PATH ERROR messages that have been transmitted by this GMPLS Peer.
txPathTear [Tx Path Tear] (vRtrGmplsPeerTxPathTear)	java. math. BigInteger	The value of vRtrGmplsPeerTxPathTear indicates the number of RSVP PATH TEAR messages that have been transmitted from this GMPLS Peer.
txPaths [Tx Paths] (vRtrGmplsPeerTxPaths)	java. math. BigInteger	The value of vRtrGmplsPeerTxPaths indicates the total number of RSVP PATH messages that have been transmitted by this GMPLS Peer.
txResv [Tx Resv] (vRtrGmplsPeerTxResv)	java. math. BigInteger	The value of vRtrGmplsPeerTxResv indicates the total number of RSVP RESV messages that have been transmitted by this GMPLS Peer.
txResvTear [Tx Resv Tear] (vRtrGmplsPeerTxResvTear)	java. math. BigInteger	The value of vRtrGmplsPeerTxResvTear indicates the total number of RSVP RESV TEAR messages that have been transmitted from this GMPLS Peer.
txSRefreshes [Tx SRefreshes] (vRtrGmplsPeerTxSRefreshes)	java. math. BigInteger	The value of vRtrGmplsPeerTxSRefreshes indicates the total number of summary refresh, SREFRESH, messages that have been transmitted on this RSVP interface.

Table 464 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrGmplsSessionStatsEntry</p> <p>Entry description: Each row entry represents statistics for a session of the GMPLS protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the GMPLS protocol establishes a session. The entry is destroyed when the GMPLS session is removed.</p> <p>Table description (for vRtrGmplsSessionStatsTable): The vRtrGmplsSessionStatsTable contains objects for reporting statistics for the sessions associated with the GMPLS protocol running in a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gmplsuni.Session</p>		
rxPath [Rx Path] (vRtrGmplsSessStatRxPaths)	java. math. BigInteger	The value of vRtrGmplsSessStatRxPaths indicates the total number of PATH messages received for this GMPLS session.
rxResv [Rx Resv] (vRtrGmplsSessStatRxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatRxResv indicates the total number of RESV messages received for this GMPLS session.
summRxPath [Summ Rx Path] (vRtrGmplsSessStatSummRxPath)	java. math. BigInteger	The value of vRtrGmplsSessStatSummRxPath indicates the total number of summary PATH messages received.
summRxResv [Summ Rx Resv] (vRtrGmplsSessStatSummRxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatSummRxResv indicates the total number of summary RESV messages received.
summTxPath [Summ Tx Path] (vRtrGmplsSessStatSummTxPath)	java. math. BigInteger	The value of vRtrGmplsSessStatSummTxPath indicates the total number of summary PATH messages transmitted.

Table 464 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
summTxResv [Summ Tx Resv] (vRtrGmplsSessStatSummTxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatSummTxResv indicates the total number of summary RESV messages transmitted.
txPath [Tx Path] (vRtrGmplsSessStatTxPaths)	java. math. BigInteger	The value of vRtrGmplsSessStatTxPaths indicates the total number of PATH messages transmitted for this GMPLS sessio.
txResv [Tx Resv] (vRtrGmplsSessStatTxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatTxResv indicates the total number of RESV messages transmitted for this GMPLS session.
<p>SiteStats</p> <p>MIB entry name: vRtrGmplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the GMPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrGmplsGeneralStatTable): The vRtrGmplsGeneralStatTable contains statistics for a GMPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gmplsuni.Site</p>		
protectPathOriginate [Protect Path Originate] (vRtrGmplsGenProtectPathOriginate)	long	The value of vRtrGmplsGenProtectPathOriginate indicates the number of protect path LSPs that originate at this virtual router.
protectPathTerminate [Protect Path Terminate] (vRtrGmplsGenProtectPathTerminate)	long	The value of vRtrGmplsGenProtectPathTerminate indicates the number of protect path LSPs that terminate at this virtual router.

Table 464 gmplsunl statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
workingPathOriginate [Working Path Originate] (vRtrGmplsGenWorkingPathOriginate)	long	The value of vRtrGmplsGenWorkingPathOriginate indicates the number of working path LSPs that originate at this virtual router.

Table 465 gsmpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GsmppSessionStats</p> <p>MIB entry name: tmnxAncpSessionStatsEntry</p> <p>Entry description: Each row contains statistics information about an ANCP session known to the system. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSessionStatsTable): The table tmnxAncpSessionStatsTable contains statistic information for every ANCP session known to the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gsmpp.GsmppGroupNeighborSession</p>		
ancpAckReceived [Ancp Ack Received] (tmnxAncpSesStatRxAck)	long	The value of tmnxAncpSesStatRxAck indicates the number of GSMP ACK messages received in this ANCP session.
ancpAckTransmitted [Ancp Ack Transmitted] (tmnxAncpSesStatTxAck)	long	The value of tmnxAncpSesStatTxAck indicates the number of GSMP ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpLoopBackReceived [Ancp Loop Back Received] (tmnxAncpSesStatRxLoopback)	long	The value of tmnxAncpSesStatRxLoopback indicates the number of GSMP Loopback messages received in this ANCP session.
ancpLoopBackTransmitted [Ancp Loop Back Transmitted] (tmnxAncpSesStatTxLoopback)	long	The value of tmnxAncpSesStatTxLoopback indicates the number of GSMP Loopback messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpPortDownReceived [Ancp Port Down Received] (tmnxAncpSesStatRxPortDown)	long	The value of tmnxAncpSesStatRxPortDown indicates the number of GSMP 'PortDown' messages received in this ANCP session.
ancpPortDownTransmitted [Ancp Port Down Transmitted] (tmnxAncpSesStatTxPortDown)	long	The value of tmnxAncpSesStatTxPortDown indicates the number of GSMP 'PortDown' messages that were transmitted to the ANCP neighbor in this session.

Table 465 gsmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
anCPPortUpReceived [AnCP Port Up Received] (tmnxAnCPsesStatRxPortUp)	long	The value of tmnxAnCPsesStatRxPortUp indicates the number of GSMP 'PortUp' messages received in this ANCP session.
anCPPortUpTransmitted [AnCP Port Up Transmitted] (tmnxAnCPsesStatTxPortUp)	long	The value of tmnxAnCPsesStatTxPortUp indicates the number of GSMP 'PortUp' messages that were transmitted to the ANCP neighbor in this session.
anCPRstAckReceived [AnCP Rst Ack Received] (tmnxAnCPsesStatRxRstAck)	long	The value of tmnxAnCPsesStatRxRstAck indicates the number of GSMP RST ACK messages received in this ANCP session.
anCPRstAckTransmitted [AnCP Rst Ack Transmitted] (tmnxAnCPsesStatTxRstAck)	long	The value of tmnxAnCPsesStatTxRstAck indicates the number of GSMP RST ACK messages that were transmitted to the ANCP neighbor in this session.
anCPSynAckReceived [AnCP Syn Ack Received] (tmnxAnCPsesStatRxSynAck)	long	The value of tmnxAnCPsesStatRxSynAck indicates the number of GSMP SYN ACK messages received in this ANCP session.
anCPSynAckTransmitted [AnCP Syn Ack Transmitted] (tmnxAnCPsesStatTxSynAck)	long	The value of tmnxAnCPsesStatTxSynAck indicates the number of GSMP SYN ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
anCPSynReceived [AnCP Syn Received] (tmnxAnCPsesStatRxSyn)	long	The value of tmnxAnCPsesStatRxSyn indicates the number of GSMP SYN messages received in this ANCP session.
anCPSynTransmitted [AnCP Syn Transmitted] (tmnxAnCPsesStatTxSyn)	long	The value of tmnxAnCPsesStatTxSyn indicates the number of GSMP SYN messages that were transmitted to the ANCP neighbor in this ANCP session.

Table 465 gsmf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpTransmittedDropped [Ancp Transmitted Dropped] (tmnxAncpSesStatTxDrop)	long	The value of tmnxAncpSesStatTxDrop indicates the number of GSMP protocol messages that were created by the system in order for them to be sent to the ACNP neighbor, but were never transmitted.

Table 466 ies statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDataTrigStats</p> <p>MIB entry name: tmnxSapDataTrigStatsEntry</p> <p>Entry description: Each conceptual row contains detailed data trigger statistics information about a SAP. Entries in this table are created and removed automatically by the system. The system creates conceptual rows in this table only for SAP's where the value of sapStatHostMacLearnOptions is equal to 'dataTriggered'. The system does not create rows unless there is at least one non-zero counter.</p> <p>Table description (for tmnxSapDataTrigStatsTable): The tmnxSapDataTrigStatsTable contains detailed statistics information about the data triggers involved in creating data-triggered subscriber hosts. The typical usage of this table is to fill in the part of the index that identifies a SAP, and perform a partial walk to get all the statistics applicable to that SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ies.ServiceAccessPoint</p>		
dropUnsupportedProtocol [Drop Unsupported Protocol] (tmnxSapDataTrigStatsVal)	java. math. BigInteger	The value of the object tmnxSapDataTrigStatsVal indicates the value of the statistics contained in this conceptual row.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
servicId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.

Table 466 Performance statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsId [Stats Id] (tmnxSapDataTrigStatsId)	long	The value of tmnxSapDataTrigStatsId indicates the identifier of the SAP data trigger statistics contained in this conceptual row. It is a meaningless number generated by this system.

Table 467 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupInterfaceSapStats</p> <p>MIB entry name: vRtrIgmPGrpIfSapStatsEntry</p> <p>Entry description: An entry in the vRtrIgmPGrpIfSapStatsTable.</p> <p>Table description (for vRtrIgmPGrpIfSapStatsTable): The table listing the IGMP statistics for a particular SAP on a group-interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: igmp.GroupInterfaceSap</p>		
importPlyDrops [Import Pcly Drops] (vRtrIgmPGrpIfSapImportPclyDrops)	long	The value of vRtrIgmPGrpIfSapImportPclyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy tmnxSubIgmPclyImportPolicy.
rxBadChksumPkts [Rx Bad Chksum Pkts] (vRtrIgmPGrpIfSapRxBadChksumPkts)	long	The value of vRtrIgmPGrpIfSapRxBadChksumPkts indicates the total number of IGMP packets with bad checksum received for this SAP.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmPGrpIfSapRxBadEncodings)	long	The value of vRtrIgmPGrpIfSapRxBadEncodings indicates the total number of IGMP packets received for this SAP which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmPGrpIfSapRxBadLenPkts)	long	The value of vRtrIgmPGrpIfSapRxBadLenPkts indicates the total number of IGMP packets with bad length received for this SAP.
rxBadRecvIfPkts [Rx Bad Recv If Pkts] (vRtrIgmPGrpIfSapRxBadRecvIfPkts)	long	The value of vRtrIgmPGrpIfSapRxBadRecvIfPkts indicates the total number of IGMP packets incorrectly received for this SAP.
rxGenQueries [Rx Gen Queries] (vRtrIgmPGrpIfSapRxGenQueries)	long	The value of vRtrIgmPGrpIfSapRxGenQueries indicates the total number of IGMP General Queries received for this SAP.

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrIgmPGrpIfSapRxGrpQueries)	long	The value of vRtrIgmPGrpIfSapRxGrpQueries indicates the number of IGMP Group Specific Queries received for this SAP.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmPGrpIfSapRxGrpSrcQueries)	long	The value of vRtrIgmPGrpIfSapRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received for this SAP.
rxLeaves [Rx Leaves] (vRtrIgmPGrpIfSapRxLeaves)	long	The value of vRtrIgmPGrpIfSapRxLeaves indicates the total number of IGMP V2 Leaves received for this SAP.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmPGrpIfSapRxLocalScopePkts)	long	The value of the object vRtrIgmPGrpIfSapRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmPGrpIfSapRxNoRtrAlertPkts)	long	The value of vRtrIgmPGrpIfSapRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received for this SAP which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmPGrpIfSapRxNonLocal)	long	The value of vRtrIgmPGrpIfSapRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmPGrpIfSapRxPktDrops)	long	The value of vRtrIgmPGrpIfSapRxPktDrops indicates the total number of IGMP packets that were received for this SAP but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmPGrpIfSapRxRsvdScopePkts)	long	The value of the object vRtrIgmPGrpIfSapRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.
rxUnknTypePkts [Rx Unkn Type Pkts] (vRtrIgmPGrpIfSapRxUnknTypePkts)	long	The value of vRtrIgmPGrpIfSapRxUnknTypePkts indicates the total number of IGMP packets with unknown type received for this SAP.

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrIgmPGrpIfSapRxV1Reports)	long	The value of vRtrIgmPGrpIfSapRxV1Reports indicates the total number of IGMP V1 Reports received for this SAP.
rxV2Reports [Rx V2 Reports] (vRtrIgmPGrpIfSapRxV2Reports)	long	The value of vRtrIgmPGrpIfSapRxV2Reports indicates the total number of IGMP V2 Reports received for this SAP.
rxV3Reports [Rx V3 Reports] (vRtrIgmPGrpIfSapRxV3Reports)	long	The value of vRtrIgmPGrpIfSapRxV3Reports indicates the total number of IGMP V3 Reports received for this SAP.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmPGrpIfSapRxWrongVersions)	long	The value of vRtrIgmPGrpIfSapRxWrongVersions indicates the total number of IGMP packets with wrong versions received for this SAP.
statsMcacPlcyDrp [Stats Mcac Plcy Drp] (vRtrIgmPGrpIfSapStatsMcacPlcyDrp)	long	The value of the object vRtrIgmPGrpIfSapStatsMcacPlcyDrp indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy for this SAP.
statsSGTypes [Stats SGTypes] (vRtrIgmPGrpIfSapStatsSGTypes)	long	The value of vRtrIgmPGrpIfSapStatsSGTypes indicates the number of entries for this SAP for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmPGrpIfSapStatsStarGTypes)	long	vRtrIgmPGrpIfSapStatsStarGTypes indicates the number of entries for this SAP for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmPGrpIfSapTxErrors)	long	The value of vRtrIgmPGrpIfSapTxErrors indicates the total number of times there was an error transmitting IGMP packets for this SAP.
txGenQueries [Tx Gen Queries] (vRtrIgmPGrpIfSapTxGenQueries)	long	The value of vRtrIgmPGrpIfSapTxGenQueries indicates the number of IGMP General Queries transmitted for this SAP.

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpQueries [Tx Grp Queries] (vRtrIgmPGrpIfSapTxGrpQueries)	long	The value of vRtrIgmPGrpIfSapTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted for this SAP.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmPGrpIfSapTxGrpSrcQueries)	long	The value of vRtrIgmPGrpIfSapTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted for this SAP.
txLeaves [Tx Leaves] (vRtrIgmPGrpIfSapTxLeaves)	long	The value of vRtrIgmPGrpIfSapTxLeaves indicates the total number of IGMP Leaves transmitted for this SAP.
txV1Reports [Tx V1 Reports] (vRtrIgmPGrpIfSapTxV1Reports)	long	The value of vRtrIgmPGrpIfSapTxV1Reports indicates the total number of IGMP V1 Reports transmitted for this SAP.
txV2Reports [Tx V2 Reports] (vRtrIgmPGrpIfSapTxV2Reports)	long	The value of vRtrIgmPGrpIfSapTxV2Reports indicates the total number of IGMP V2 Reports transmitted for this SAP.
txV3Reports [Tx V3 Reports] (vRtrIgmPGrpIfSapTxV3Reports)	long	The value of vRtrIgmPGrpIfSapTxV3Reports indicates the total number of IGMP V3 Reports transmitted for this SAP.
InterfaceStats MIB entry name: vRtrIgmPlfStatsEntry Entry description: An entry in the vRtrIgmPlfStatsTable. Table description (for vRtrIgmPlfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.

Table 467 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 468 ipsec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecRemoteUserDhcpLeaseStats</p> <p>MIB entry name: tIPsecRUTnIDhcpLeaseStatEntry</p> <p>Entry description: The tIPsecRUTnIDhcpLeaseStatEntry contains the statistics information of one private IP address DHCP lease in the dynamic IPsec remote user tunnel. Rows in this table are created when the value of tIPsecRUTnIPrivatelpAddr or tIPsecRUTnIPrivatelpAddr2 in the associated entry of tIPsecRUTnITable is changed from all-zeros to any valid address that was obtained from a DHCP server. Rows in this table are destroyed when the associated entry is destroyed in tIPsecRUTnITable.</p> <p>Table description (for tIPsecRUTnIDhcpLeaseStatTable): The tIPsecRUTnIDhcpLeaseStatTable contains the statistics information of the private IP address DHCP leases in the dynamic IPsec remote user tunnel. Refer to tIPsecRUTnITable for the information of the dynamic IPsec remote user tunnel. Each tunnel has at most two private IP addresses (i.e., tIPsecRUTnIPrivatelpAddr and tIPsecRUTnIPrivatelpAddr2).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ipsec.IPSecRemoteUser</p>		
<p>acquiredTime [Acquired Time] (tIPsecRUTnIDhcpLeaseStatAcquirTm)</p>	String	<p>The value of tIPsecRUTnIDhcpLeaseStatAcquirTm indicates the UTC date when the latest DHCP lease was acquired from the server. The address of the server is indicated by tIPsecRUTnIDhcpLeaseStatSverAddr. The value of tIPsecRUTnIDhcpLeaseStatAcquirTm can be the time when the private IP address (i.e., tIPsecRUTnIDhcpLeaseStatPrivAddr) of the dynamic IPsec user remote tunnel first obtained the DHCP lease, or the time when the lease was renewed or rebound.</p>

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
privPref [Priv Pref] (tIPsecRUTnIDhcpLeaseStatPrivPref)	String	The value of tIPsecRUTnIDhcpLeaseStatPrivPref indicates the UTC date when the preferred lifetime of the private IP address (i.e., tIPsecRUTnIDhcpLeaseStatPrivAddr) for the dynamic IPsec user remote tunnel will expire. In the preferred state, tIPsecRUTnIDhcpLeaseStatPrivAddr can be used without any restriction. Once the lifetime expires, tIPsecRUTnIDhcpLeaseStatPrivAddr is still valid, but needs to be renewed or rebound. The value of tIPsecRUTnIDhcpLeaseStatPrivPref is meaningless when tIPsecRUTnIDhcpLeaseStatSverAddT is 'ipv4 (1)'.
privValid [Priv Valid] (tIPsecRUTnIDhcpLeaseStatPrivValid)	String	The value of tIPsecRUTnIDhcpLeaseStatPrivValid indicates the UTC date when the valid lifetime of the private IP address (i.e., tIPsecRUTnIDhcpLeaseStatPrivAddr) for the dynamic IPsec user remote tunnel will expire. Once the valid lifetime expires, tIPsecRUTnIDhcpLeaseStatPrivAddr must be renewed or rebound.
privateAddress [Private Address] (tIPsecRUTnIDhcpLeaseStatPrivAddr)	String	The value of tIPsecRUTnIDhcpLeaseStatPrivAddr specifies the private IP address of the dynamic IPsec remote user tunnel. It can be either tIPsecRUTnIPrivatIpAddr or tIPsecRUTnIPrivatIpAddr2.
privateAddressType [Private Address Type] (tIPsecRUTnIDhcpLeaseStatPrivAddT)	int	The value of tIPsecRUTnIDhcpLeaseStatPrivAddT specifies the address type of tIPsecRUTnIDhcpLeaseStatPrivAddr.
rebindTime [Rebind Time] (tIPsecRUTnIDhcpLeaseStatRebindTm)	String	The value of tIPsecRUTnIDhcpLeaseStatRebindTm indicates the UTC date when the current DHCP lease needs to be rebound.
renewTime [Renew Time] (tIPsecRUTnIDhcpLeaseStatRenewTm)	String	The value of tIPsecRUTnIDhcpLeaseStatRenewTm indicates the UTC date when the current DHCP lease needs to be renewed.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverAddress [Server Address] (tIPsecRUTnIDhcpLeaseStatSverAddr)	String	The value of tIPsecRUTnIDhcpLeaseStatSverAddr indicates the DHCP server address.
serverAddressType [Server Address Type] (tIPsecRUTnIDhcpLeaseStatSverAddT)	int	The value of tIPsecRUTnIDhcpLeaseStatSverAddT indicates the address type of tIPsecRUTnIDhcpLeaseStatSverAddr. The value of tIPsecRUTnIDhcpLeaseStatSverAddT is always equal to tIPsecRUTnIDhcpLeaseStatPrivAddT.
IPSecRemoteUserSAStats MIB entry name: tIPsecRUSASStatsEntry Entry description: Information about a single IPsec Remote-User SA Statistics entry. Table description (for tIPsecRUSASStatsTable): Table to retrieve the IPsec Remote-User SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecRemoteUserSecurityAssociation		
bytesProcessed [Bytes Processed] (tIPsecRUSASStatsBytesProcessed)	java. math. BigInteger	The value of tIPsecRUSASStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tIPsecRUSASStatsCryptoErrors)	long	The value of tIPsecRUSASStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tIPsecRUSASStatsPktsProcessed)	java. math. BigInteger	The value of tIPsecRUSASStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tIPsecRUSASStatsPolicyErrors)	long	The value of tIPsecRUSASStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
replayErrors [Replay Errors] (tIPsecRUSASStatsReplayErrors)	long	The value of tIPsecRUSASStatsReplayErrors indicates the number of replay errors encountered on this SA.
saErrors [Sa Errors] (tIPsecRUSASStatsSAErrors)	long	The value of tIPsecRUSASStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, policy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecRemoteUserStats MIB entry name: tIPsecRUTnlStatsEntry Entry description: Statistics for a single IPsec Remote User Tunnel. Table description (for tIPsecRUTnlStatsTable): Table to store IPsec Remote User Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecRemoteUser		
isakmpEstabTime [Isakmp Estab Time] (tIPsecRUTnlIsakmpEstabTime)	long	The value of tIPsecRUTnlIsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tIPsecRUTnlIsakmpNegLifeTime)	long	The value of tIPsecRUTnlIsakmpNegLifeTime indicates the lifetime negotiated for phase1 IKE key.
isakmpState [Isakmp State] (tIPsecRUTnlIsakmpState)	long	The value of tIPsecRUTnlIsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tIPsecRUTnlNumCtrlPktsRx)	long	The value of tIPsecRUTnlNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlPktsTx [Num Ctrl Pkts Tx] (tIPsecRUTnlNumCtrlPktsTx)	long	The value of tIPsecRUTnlNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.
numCtrlRxErrors [Num Ctrl Rx Errors] (tIPsecRUTnlNumCtrlRxErrors)	long	The value of tIPsecRUTnlNumCtrlRxErrors indicates the number of control packet receive errors.
numCtrlTxErrors [Num Ctrl Tx Errors] (tIPsecRUTnlNumCtrlTxErrors)	long	The value of tIPsecRUTnlNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tIPsecRUTnlNumDpdAckRx)	long	The value of tIPsecRUTnlNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tIPsecRUTnlNumDpdAckTx)	long	The value of tIPsecRUTnlNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tIPsecRUTnlNumDpdRx)	long	The value of tIPsecRUTnlNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tIPsecRUTnlNumDpdTx)	long	The value of tIPsecRUTnlNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tIPsecRUTnlNumExpRx)	long	The value of tIPsecRUTnlNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tIPsecRUTnlNumInvalidDpdRx)	long	The value of tIPsecRUTnlNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IPSecSAStats MIB entry name: tmnxIPsecSAStatsEntry Entry description: Information about a single IPsec SA Statistics entry. Table description (for tmnxIPsecSAStatsTable): Table to retrieve the IPsec SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecSecurityAssociation		
bytesProcessed [Bytes Processed] (tmnxIPsecSAStatsBytesProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tmnxIPsecSAStatsCryptoErrors)	long	The value of tmnxIPsecSAStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tmnxIPsecSAStatsPktsProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tmnxIPsecSAStatsPolicyErrors)	long	The value of tmnxIPsecSAStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.
replayErrors [Replay Errors] (tmnxIPsecSAStatsReplayErrors)	long	The value of tmnxIPsecSAStatsReplayErrors indicates the number of replay errors encountered on this SA.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saErrors [Sa Errors] (tmnxIPsecSASStatsSAErrors)	long	The value of tmnxIPsecSASStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, policy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecTunnelCountStats MIB entry name: tmnxIPsecTunnelCountObjs Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey		
gtwCertTunnels [Gtw Cert Tunnels] (tmnxIPsecGWCertTunnels)	long	The value of tmnxIPsecGWCertTunnels indicates the number of IPsec gateway tunnels with tmnxIkePolicyAuthMethod set to 'cert'.
gtwPskTunnels [Gtw Psk Tunnels] (tmnxIPsecGWPsKtunnels)	long	The value of tmnxIPsecGWPsKtunnels indicates the number of IPsec gateway tunnels with tmnxIkePolicyAuthMethod set to 'psk'.
gtwPskXAuthTunnels [Gtw Psk XAuth Tunnels] (tmnxIPsecGWPsKXAuthTunnels)	long	The value of tmnxIPsecGWPsKXAuthTunnels indicates the number of IPsec gateway tunnels with tmnxIkePolicyAuthMethod set to 'plainPskXAuth'.
pskTunnels [Psk Tunnels] (tmnxIPsecPsKtunnels)	long	The value of tmnxIPsecPsKtunnels indicates the number of IPsec tunnels with tmnxIkePolicyAuthMethod set to 'psk'.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecTunnelStats MIB entry name: tmnxIPsecTunnelStatsEntry Entry description: Statistics for a single IPsec Tunnel. Table description (for tmnxIPsecTunnelStatsTable): Table to store IPsec Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecTunnel</p>		
isakmpEstabTime [Isakmp Estab Time] (tmnxIPsecTunnellsakmpEstabTime)	long	The value of tmnxIPsecTunnellsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tmnxIPsecTunnellsakmpNegLifeTime)	long	The value of tmnxIPsecTunnellsakmpNegLifeTime indicates the lifetime negotiated for phase1 IKE key.
isakmpState [Isakmp State] (tmnxIPsecTunnellsakmpState)	long	The value of tmnxIPsecTunnellsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tmnxIPsecTunnelNumCtrlPktsRx)	long	The value of tmnxIPsecTunnelNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.
numCtrlPktsTx [Num Ctrl Pkts Tx] (tmnxIPsecTunnelNumCtrlPktsTx)	long	The value of tmnxIPsecTunnelNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.
numCtrlRxErrors [Num Ctrl Rx Errors] (tmnxIPsecTunnelNumCtrlRxErrors)	long	The value of tmnxIPsecTunnelNumCtrlRxErrors indicates the number of control packet receive errors.

Table 468 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlTxErrors [Num Ctrl Tx Errors] (tmnxIPsecTunnelNumCtrlTxErrors)	long	The value of tmnxIPsecTunnelNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tmnxIPsecTunnelNumDpdAckRx)	long	The value of tmnxIPsecTunnelNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tmnxIPsecTunnelNumDpdAckTx)	long	The value of tmnxIPsecTunnelNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tmnxIPsecTunnelNumDpdRx)	long	The value of tmnxIPsecTunnelNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tmnxIPsecTunnelNumDpdTx)	long	The value of tmnxIPsecTunnelNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tmnxIPsecTunnelNumExpRx)	long	The value of tmnxIPsecTunnelNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tmnxIPsecTunnelNumInvalidDpdRx)	long	The value of tmnxIPsecTunnelNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 469 isa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaGroupEgrQStats</p> <p>MIB entry name: tmnxBsxGrpStatusEgrQEntry</p> <p>Entry description: Each tmnxBsxGrpStatusEgrQEntry contains the Qos status information for traffic incoming to a particular ISA-AA MDA within a group, given a tmnxBsxGrpStatusEgrQDirection and tmnxBsxGrpStatusEgrQIndex.</p> <p>Table description (for tmnxBsxGrpStatusEgrQTable): The tmnxBsxGrpStatusEgrQTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Qos status information for traffic entering an ISA-AA MDA given the tmnxBsxGrpStatusEgrQDirection and tmnxBsxGrpStatusEgrQIndex. An ISA-AA MDA is uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.AaEgrQueue</p>		
droInProfOcts [Dro In Prof Octs] (tmnxBsxGrpStatusEgrQDroInPOcts)	long	The value of tmnxBsxGrpStatusEgrQDroInPOcts indicates the number of in profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droInProfPkts [Dro In Prof Pkts] (tmnxBsxGrpStatusEgrQDroInPPkts)	long	The value of tmnxBsxGrpStatusEgrQDroInPPkts indicates the number of in profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droOutProfOcts [Dro Out Prof Octs] (tmnxBsxGrpStatusEgrQDroOutPOcts)	long	The value of tmnxBsxGrpStatusEgrQDroOutPOcts indicates the number of out of profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droOutProfPkts [Dro Out Prof Pkts] (tmnxBsxGrpStatusEgrQDroOutPPkts)	long	The value of tmnxBsxGrpStatusEgrQDroOutPPkts indicates the number of out of profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInProfOcts [Fwd In Prof Octs] (tmnxBsxGrpStatusEgrQFwdInPOcts)	long	The value of tmnxBsxGrpStatusEgrQFwdInPOcts indicates the number of in profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdInProfPkts [Fwd In Prof Pkts] (tmnxBsxGrpStatusEgrQFwdInPPkts)	long	The value of tmnxBsxGrpStatusEgrQFwdInPPkts indicates the number of in profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdOutProfOcts [Fwd Out Prof Octs] (tmnxBsxGrpStatusEgrQFwdOutPOcts)	long	The value of tmnxBsxGrpStatusEgrQFwdOutPOcts indicates the number of out of profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdOutProfPkts [Fwd Out Prof Pkts] (tmnxBsxGrpStatusEgrQFwdOutPPkts)	long	The value of tmnxBsxGrpStatusEgrQFwdOutPPkts indicates the number of out of profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroInProfOcts [HCDro In Prof Octs] (tmnxBsxGrpStatusEgrQHCDroInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroInPOcts indicates the number of in profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroInProfPkts [HCDro In Prof Pkts] (tmnxBsxGrpStatusEgrQHCDroInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroInPPkts indicates the number of in profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroOutProfOcts [HCDro Out Prof Octs] (tmnxBsxGrpStatusEgrQHCDroOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroOutPOcts indicates the number of out of profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroOutProfPkts [HCDro Out Prof Pkts] (tmnxBsxGrpStatusEgrQHCDroOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroOutPPkts indicates the number of out of profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCFwdInProfOcts [HCFwd In Prof Octs] (tmnxBsxGrpStatusEgrQHCFwdInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdInPOcts indicates the number of in profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdInProfPkts [HCFwd In Prof Pkts] (tmnxBsxGrpStatusEgrQHCFwdInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdInPPkts indicates the number of in profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfOcts [HCFwd Out Prof Octs] (tmnxBsxGrpStatusEgrQHCFwdOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdOutPOcts indicates the number of out of profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfPkts [HCFwd Out Prof Pkts] (tmnxBsxGrpStatusEgrQHCFwdOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdOutPPkts indicates the number of out of profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
AaGroupIngQStats MIB entry name: tmnxBsxGrpStatusIngQEntry Entry description: Each tmnxBsxGrpStatusIngQEntry contains the Qos status information for traffic exiting a particular ISA-AA MDA within a group, given a tmnxBsxGrpStatusInQDirection and tmnxBsxGrpStatusInQIndex. Table description (for tmnxBsxGrpStatusIngQTable): The tmnxBsxGrpStatusIngQTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Qos status information for traffic exiting an ISA-AA MDA given the tmnxBsxGrpStatusInQDirection and tmnxBsxGrpStatusInQIndex. An ISA-AA MDA is uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum. Supports realtime plotting Supports scheduled collection Monitored class: isa.AaIngQueue		
drolnProfOcts [Dro In Prof Octs] (tmnxBsxGrpStatusIngQDroInPOcts)	long	The value of tmnxBsxGrpStatusIngQDroInPOcts indicates the number of in profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droInProfPkts [Dro In Prof Pkts] (tmnxBsxGrpStatusIngQDroInPPkts)	long	The value of tmnxBsxGrpStatusIngQDroInPPkts indicates the number of in profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
droOutProfOcts [Dro Out Prof Octs] (tmnxBsxGrpStatusIngQDroOutPOcts)	long	The value of tmnxBsxGrpStatusIngQDroOutPOcts indicates the number of out of profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
droOutProfPkts [Dro Out Prof Pkts] (tmnxBsxGrpStatusIngQDroOutPPkts)	long	The value of tmnxBsxGrpStatusIngQDroOutPPkts indicates the number of out of profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdInProfOcts [Fwd In Prof Octs] (tmnxBsxGrpStatusIngQFwdInPOcts)	long	The value of tmnxBsxGrpStatusIngQFwdInPOcts indicates the number of in profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdInProfPkts [Fwd In Prof Pkts] (tmnxBsxGrpStatusIngQFwdInPPkts)	long	The value of tmnxBsxGrpStatusIngQFwdInPPkts indicates the number of in profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdOutProfOcts [Fwd Out Prof Octs] (tmnxBsxGrpStatusIngQFwdOutPOcts)	long	The value of tmnxBsxGrpStatusIngQFwdOutPOcts indicates the number of out of profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdOutProfPkts [Fwd Out Prof Pkts] (tmnxBsxGrpStatusIngQFwdOutPPkts)	long	The value of tmnxBsxGrpStatusIngQFwdOutPPkts indicates the number of out of profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroInProfOcts [HCDro In Prof Octs] (tmnxBsxGrpStatusIngQHCDroInPOcts)	java. math. BigInte- ger	The value of tmnxBsxGrpStatusIngQHCDroInPOcts indicates the number of in profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCDroInProfPkts [HCDro In Prof Pkts] (tmnxBsxGrpStatusIngQHCDroInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroInPPkts indicates the number of in profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroOutProfOcts [HCDro Out Prof Octs] (tmnxBsxGrpStatusIngQHCDroOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroOutPOcts indicates the number of out of profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroOutProfPkts [HCDro Out Prof Pkts] (tmnxBsxGrpStatusIngQHCDroOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroOutPPkts indicates the number of out of profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdInProfOcts [HCFwd In Prof Octs] (tmnxBsxGrpStatusIngQHCFwdInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdInPOcts indicates the number of in profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdInProfPkts [HCFwd In Prof Pkts] (tmnxBsxGrpStatusIngQHCFwdInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdInPPkts indicates the number of in profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfOcts [HCFwd Out Prof Octs] (tmnxBsxGrpStatusIngQHCFwdOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdOutPOcts indicates the number of out of profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfPkts [HCFwd Out Prof Pkts] (tmnxBsxGrpStatusIngQHCFwdOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdOutPPkts indicates the number of out of profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaSapSumStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
aaSap [Aa Sap] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>AaSpokeSdpBindingSumStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
aaSpokeSdpBinding [Aa Spoke Sdp Binding] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>AaSubSumStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctDnyToSb.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxMdaStats</p> <p>MIB entry name: tmnxBsxGrpStatusEntry</p> <p>Entry description: Each tmnxBsxGrpStatusEntry contains the performance-oriented status information for a particular group and ISA-AA MDA. An index with a valid tmnxBsxIsaAaGroupIndex, tmnxChassisIndex set to one, and a zero value for each of the tmnxBsxCardSlotNum/tmnxMDASlotNum indices will return the summarized per group status. Rows in this table are created by the agent at initialization and cannot be created or destroyed by SNMP Set requests.</p> <p>Table description (for tmnxBsxGrpStatusTable): The tmnxBsxGrpStatusTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the performance-oriented status information per group for an ISA-AA MDA uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaGroupMember 		
bitRateRsdCount [Bit Rate Rsd Count] (tmnxBsxGrpStatusBitRateRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusBitRateRsdCount indicates the number of times the bit rate TCA (tmnxBsxIsaAaGrpBitRate) was raised since system startup.
bitRateRsdTime [Bit Rate Rsd Time] (tmnxBsxGrpStatusBitRateRsdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusBitRateRsdTime indicates the amount of time the bit rate TCA (tmnxBsxIsaAaGrpBitRate) was in the raised state since system startup.
bitRateState [Bit Rate State] (tmnxBsxGrpStatusBitRateState)	int	The value of tmnxBsxGrpStatusBitRateState indicates the state of the bit rate TCA (tmnxBsxIsaAaGrpBitRate).
datapathCpu [Datapath Cpu] (tmnxBsxGrpStatusDatapathCpu)	float	The value of tmnxBsxGrpStatusDatapathCpu indicates the percent utilization of the datapath CPU on the ISA-AA MDA(s).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
datapathCpuAvg [Datapath Cpu Avg] (tmnxBsxGrpStatusDatapathCpuAvg)	float	The value of tmnxBsxGrpStatusDatapathCpuAvg indicates the average percent utilization of the datapath CPU on the ISA-AA MDA(s) within the last 60 minutes.
datapathCpuPeak [Datapath Cpu Peak] (tmnxBsxGrpStatusDatapathCpuPeak)	float	The value of tmnxBsxGrpStatusDatapathCpuPeak indicates the peak percent utilization of the datapath CPU on the ISA-AA MDA(s) since system startup.
datapathCpuRsdCt [Datapath Cpu Rsd Ct] (tmnxBsxGrpStatusDatapathCpuRsdCt)	java. math. BigInteger	The value of tmnxBsxGrpStatusDatapathCpuRsdCt indicates the number of times the datapath CPU TCA (tmnxBsxDatapathCpuUsage) was raised since system startup.
datapathCpuRsdTm [Datapath Cpu Rsd Tm] (tmnxBsxGrpStatusDatapathCpuRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusDatapathCpuRsdTm indicates the amount of time the datapath CPU TCA (tmnxBsxDatapathCpuUsage) was in the raised state since system startup.
datapathCpuState [Datapath Cpu State] (tmnxBsxGrpStatusDatapathCpuState)	int	The value of tmnxBsxGrpStatusDatapathCpuState indicates the state of the datapath CPU TCA (tmnxBsxDatapathCpuUsage).
flowResAvg [Flow Res Avg] (tmnxBsxGrpStatusFlowResAvg)	long	The value of tmnxBsxGrpStatusFlowResAvg indicates the average number of flow resources in-use on the ISA-AA MDA(s) within the last 60 minutes.
flowResMax [Flow Res Max] (tmnxBsxGrpStatusFlowResMax)	long	The value of tmnxBsxGrpStatusFlowResMax indicates the maximum number of flow resources available on the ISA-AA MDA(s).
flowResPeak [Flow Res Peak] (tmnxBsxGrpStatusFlowResPeak)	long	The value of tmnxBsxGrpStatusFlowResPeak indicates the peak number of flow resources in-use on the ISA-AA MDA(s) since system startup.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowResRaisdTime [Flow Res Raisd Time] (tmnxBsxGrpStatusFlowResRaisdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowResRaisdTime indicates the amount of time the flow resource TCA (tmnxBsxIsaAaGrpFlowFull) was in the raised state since system startup.
flowResRsdCount [Flow Res Rsd Count] (tmnxBsxGrpStatusFlowResRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowResRsdCount indicates the number of times the flow resource TCA (tmnxBsxIsaAaGrpFlowFull) was raised since system startup.
flowResState [Flow Res State] (tmnxBsxGrpStatusFlowResState)	int	The value of tmnxBsxGrpStatusFlowResState indicates the state of the flow resource TCA (tmnxBsxIsaAaGrpFlowFull).
flowResourcesInUse [Flow Resources In Use] (tmnxBsxGrpStatusFlowResInUse)	long	The value of tmnxBsxGrpStatusFlowResInUse indicates the number of flow resources currently in-use on the ISA-AA MDA.
flowSetupRate [Flow Setup Rate] (tmnxBsxGrpStatusFlowSetupRate)	long	The value of tmnxBsxGrpStatusFlowSetupRate indicates the number of flow setups per second over the most recent 10 second period.
flowSetupRsdCnt [Flow Setup Rsd Cnt] (tmnxBsxGrpStatusFlowSetupRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowSetupRsdCnt indicates the number of times the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup) was raised since system startup.
flowSetupRsdTime [Flow Setup Rsd Time] (tmnxBsxGrpStatusFlowSetupRsdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowSetupRsdTime indicates the amount of time the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup) was in the raised state since system startup.
flowSetupState [Flow Setup State] (tmnxBsxGrpStatusFlowSetupState)	int	The value of tmnxBsxGrpStatusFlowSetupState indicates the state of the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flows [Flows] (tmnxBsxGrpStatusFlows)	long	The value of tmnxBsxGrpStatusFlows indicates the total number of flows created on the ISA-AA MDA(s).
flowsCurrent [Flows Current] (tmnxBsxGrpStatusFlowsCurrent)	long	The value of tmnxBsxGrpStatusFlowsCurrent indicates the number of active flows currently being tracked by the ISA-AA MDA(s).
flwResCtThruOcts [Flw Res Ct Thru Octs] (tmnxBsxGrpStatusFlwResCtThruOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlwResCtThruOcts indicates the number of octets that the ISA-AA MDA(s) have cut-through due to flow resource exhaustion.
flwResCtThruPkts [Flw Res Ct Thru Pkts] (tmnxBsxGrpStatusFlwResCtThruPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlwResCtThruPkts indicates the number of packets that the ISA-AA MDA(s) have cut-through due to flow resource exhaustion.
hCFlows [HCFlows] (tmnxBsxGrpStatusHCFlows)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCFlows indicates the number of active flows seen by the ISA-AA MDA(s). Note that if the same 5-tuple is seen for a different flow within the flow timeout, it will still be considered one flow.
hCOctsDiscCongIn [HCOcts Disc Cong In] (tmnxBsxGrpStatusHCOctsDiscCongIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscCongIn indicates the number of bytes discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
hCOctsDiscCongMda [HCOcts Disc Cong Mda] (tmnxBsxGrpStatusHCOctsDisCongMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDisCongMda indicates the number of bytes discarded by the ISA-AA MDA(s) due to congestion.
hCOctsDiscCongOut [HCOcts Disc Cong Out] (tmnxBsxGrpStatusHCOctsDisCongOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDisCongOut indicates the number of bytes discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCOctsDiscErrors [HCOcts Disc Errors] (tmnxBsxGrpStatusHCOctsDiscErrors)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscErrors indicates the number of bytes discarded due to unrecoverable errors.
hCOctsDiscPolicy [HCOcts Disc Policy] (tmnxBsxGrpStatusHCOctsDiscPolicy)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscPolicy indicates the number of bytes discarded by the ISA-AA MDA(s) due to policy policers or discard actions.
hCOctsFromMda [HCOcts From Mda] (tmnxBsxGrpStatusHCOctsFromMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsFromMda indicates the number of bytes which exit the ISA-AA MDA(s) and are sent to the local IOM.
hCOctsIn [HCOcts In] (tmnxBsxGrpStatusHCOctsIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsIn indicates the number of bytes diverted from ingress IOMs towards the ISA-AA MDA(s).
hCOctsInMda [HCOcts In Mda] (tmnxBsxGrpStatusHCOctsInMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsInMda indicates the number of bytes buffered by the ISA-AA MDA(s).
hCOctsInspected [HCOcts Inspected] (tmnxBsxGrpStatusHCOctsInspected)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsInspected indicates the number of bytes sent for protocol determination by the ISA-AA MDA(s).
hCOctsOut [HCOcts Out] (tmnxBsxGrpStatusHCOctsOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsOut indicates the number of bytes returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
hCOctsPolicyByPass [HCOcts Policy By Pass] (tmnxBsxGrpStatusHCOctsPolicyByPass)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsPolicyByPass indicates the number of bytes which passed untouched that did not have statistics or policy applied. These bytes are counted as policy bypass errors.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCOctsToMda [HCOcts To Mda] (tmnxBsxGrpStatusHCOctsToMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsToMda indicates the number of bytes sent from an IOM which enter the ISA-AA MDA(s).
hCPktsDiscCongIn [HCPkts Disc Cong In] (tmnxBsxGrpStatusHCPktsDiscCongIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscCongIn indicates the number of packets discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
hCPktsDiscCongMda [HCPkts Disc Cong Mda] (tmnxBsxGrpStatusHCPktsDisCongMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDisCongMda indicates the number of packets discarded by the ISA-AA MDA(s) due to congestion.
hCPktsDiscCongOut [HCPkts Disc Cong Out] (tmnxBsxGrpStatusHCPktsDisCongOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDisCongOut indicates the number of packets discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
hCPktsDiscErrors [HCPkts Disc Errors] (tmnxBsxGrpStatusHCPktsDiscErrors)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscErrors indicates the number of packets discarded due to unrecoverable errors.
hCPktsDiscPolicy [HCPkts Disc Policy] (tmnxBsxGrpStatusHCPktsDiscPolicy)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscPolicy indicates the number of packets discarded by the ISA-AA MDA(s) due to policy policers or discard actions.
hCPktsFromMda [HCPkts From Mda] (tmnxBsxGrpStatusHCPktsFromMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsFromMda indicates the number of packets which exit the ISA-AA MDA(s) and are sent to the local IOM.
hCPktsIn [HCPkts In] (tmnxBsxGrpStatusHCPktsIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsIn indicates the number of packets diverted from ingress IOMs towards the ISA-AA MDA(s).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCPktsInMda [HCPkts In Mda] (tmnxBsxGrpStatusHCPktsInMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInMda indicates the number of packets buffered by the ISA-AA MDA(s).
hCPktsInPchipErrors [HCPkts In Pchip Errors] (tmnxBsxGrpStatusHCPktsInPChipErs)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInPChipErs indicates the number of packets discarded by the egress P-chip due to errors in the packets.
hCPktsInspected [HCPkts Inspected] (tmnxBsxGrpStatusHCPktsInspected)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInspected indicates the number of packets sent for protocol determination by the ISA-AA MDA(s).
hCPktsOut [HCPkts Out] (tmnxBsxGrpStatusHCPktsOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsOut indicates the number of packets returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
hCPktsOutPchipErrors [HCPkts Out Pchip Errors] (tmnxBsxGrpStatusHCPktsOutPChipEr)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsOutPChipEr indicates the number of packets discarded by the ingress P-chip due to errors in the packets which return to the normal forwarding path.
hCPktsPolicyByPass [HCPkts Policy By Pass] (tmnxBsxGrpStatusHCPktsPolicyByyps)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsPolicyByyps indicates the number of packets which passed untouched that did not have statistics or policy applied. These packets are counted as policy bypass errors.
hCPktsToMda [HCPkts To Mda] (tmnxBsxGrpStatusHCPktsToMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsToMda indicates the number of packets sent from an IOM which enter the ISA-AA MDA(s).
mgmtCpu [Mgmt Cpu] (tmnxBsxGrpStatusMgmtCpu)	float	The value of tmnxBsxGrpStatusMgmtCpu indicates the percent utilization of the management CPU on the ISA-AA MDA(s).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mgmtCpuAvg [Mgmt Cpu Avg] (tmnxBsxGrpStatusMgmtCpuAvg)	float	The value of tmnxBsxGrpStatusMgmtCpuAvg indicates the average percent utilization of the management CPU on the ISA-AA MDA(s) within the last 60 minutes.
mgmtCpuPeak [Mgmt Cpu Peak] (tmnxBsxGrpStatusMgmtCpuPeak)	float	The value of tmnxBsxGrpStatusMgmtCpuPeak indicates the peak percent utilization of the management CPU on the ISA-AA MDA(s) since system startup.
octsDiscCongIn [Octs Disc Cong In] (tmnxBsxGrpStatusOctsDiscCongIn)	long	The value of tmnxBsxGrpStatusOctsDiscCongIn indicates the number of bytes discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
octsDiscCongMda [Octs Disc Cong Mda] (tmnxBsxGrpStatusOctsDisCongMda)	long	The value of tmnxBsxGrpStatusOctsDisCongMda indicates the number of bytes discarded by the ISA-AA MDA(s) due to congestion.
octsDiscCongOut [Octs Disc Cong Out] (tmnxBsxGrpStatusOctsDisCongOut)	long	The value of tmnxBsxGrpStatusOctsDisCongOut indicates the number of bytes discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
octsDiscErrors [Octs Disc Errors] (tmnxBsxGrpStatusOctsDiscErrors)	long	The value of tmnxBsxGrpStatusOctsDiscErrors indicates the number of bytes discarded due to unrecoverable errors.
octsDiscPolicy [Octs Disc Policy] (tmnxBsxGrpStatusOctsDiscPolicy)	long	The value of tmnxBsxGrpStatusOctsDiscPolicy indicates the number of bytes discarded by the ISA-AA MDA(s) due to policy.
octsFromMda [Octs From Mda] (tmnxBsxGrpStatusOctsFromMda)	long	The value of tmnxBsxGrpStatusOctsFromMda indicates the number of bytes which exit the ISA-AA MDA(s) and are sent to the local IOM.
octsIn [Octs In] (tmnxBsxGrpStatusOctsIn)	long	The value of tmnxBsxGrpStatusOctsIn indicates the number of bytes diverted from ingress IOMs towards the ISA-AA MDA(s).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsInMda [Octs In Mda] (tmnxBsxGrpStatusOctsInMda)	long	The value of tmnxBsxGrpStatusOctsInMda indicates the number of bytes buffered by the ISA-AA MDA(s).
octsInspected [Octs Inspected] (tmnxBsxGrpStatusOctsInspected)	long	The value of tmnxBsxGrpStatusOctsInspected indicates the number of bytes sent for protocol determination by the ISA-AA MDA(s).
octsOut [Octs Out] (tmnxBsxGrpStatusOctsOut)	long	The value of tmnxBsxGrpStatusOctsOut indicates the number of bytes returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
octsPolicyByPass [Octs Policy By Pass] (tmnxBsxGrpStatusOctsPolicyByPass)	long	The value of tmnxBsxGrpStatusOctsPolicyByPass indicates the number of bytes which pass untouched that did not have statistics or policy applied. These bytes are counted as policy bypass errors.
octsToMda [Octs To Mda] (tmnxBsxGrpStatusOctsToMda)	long	The value of tmnxBsxGrpStatusOctsToMda indicates the number of bytes sent from an IOM which enter the ISA-AA MDA(s).
ovrldCtThruOcts [Ovrld Ct Thru Octs] (tmnxBsxGrpStatusOvrldCtThruOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruOcts indicates the number of octets that the ISA-AA MDA has cut-through due to the overload cut-through configuration as indicated by the object tmnxBsxIsaAaGrpOverloadCutThru.
ovrldCtThruPkts [Ovrld Ct Thru Pkts] (tmnxBsxGrpStatusOvrldCtThruPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruPkts indicates the number of octets that the ISA-AA MDA has cut-through due to the overload cut-through configuration as indicated by the object tmnxBsxIsaAaGrpOverloadCutThru.
ovrldCtThruRsdCt [Ovrld Ct Thru Rsd Ct] (tmnxBsxGrpStatusOvrldCtThruRsdCt)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruRsdCt indicates the number of times the overload cut-through TCA (tmnxBsxIsaAaGrpOvrldCutthru) was raised since system startup.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ovrldCtThruRsdTm [Ovrld Ct Thru Rsd Tm] (tmnxBsxGrpStatusOvrldCtThruRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrldCtThruRsdTm indicates the amount of time the overload cut-through TCA (tmnxBsxIsaAaGrpOvrldCutthru) was in the raised state since system startup.
ovrldCtThruState [Ovrld Ct Thru State] (tmnxBsxGrpStatusOvrldCtThruState)	int	The value of tmnxBsxGrpStatusOvrldCtThruState indicates the state of the overload cut-through TCA (tmnxBsxIsaAaGrpOvrldCutthru).
packetRate [Packet Rate] (tmnxBsxGrpStatusPacketRate)	long	The value of tmnxBsxGrpStatusPacketRate indicates the current number of packets per second incoming to the ISA-AA MDA(s).
pktRateRaisdTime [Pkt Rate Raisd Time] (tmnxBsxGrpStatusPktRateRaisdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktRateRaisdTime indicates the amount of time the packet rate TCA (tmnxBsxIsaAaGrp-PacketRate) was in the raised state since system startup.
pktRateRsdCount [Pkt Rate Rsd Count] (tmnxBsxGrpStatusPktRateRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktRateRsdCount indicates the number of times the packet rate TCA (tmnxBsxIsaAaGrp-PacketRate) was raised since system startup.
pktRateState [Pkt Rate State] (tmnxBsxGrpStatusPktRateState)	int	The value of tmnxBsxGrpStatusPktRateState indicates the state of the packet rate TCA (tmnxBsxIsaAaGrpPacketRate).
pktsDiscCongIn [Pkts Disc Cong In] (tmnxBsxGrpStatusPktsDiscCongIn)	long	The value of tmnxBsxGrpStatusPktsDiscCongIn indicates the number of packets discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
pktsDiscCongMda [Pkts Disc Cong Mda] (tmnxBsxGrpStatusPktsDisCongMda)	long	The value of tmnxBsxGrpStatusPktsDisCongMda indicates the number of packets discarded by the ISA-AA MDA(s) due to congestion.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDiscCongOut [Pkts Disc Cong Out] (tmnxBsxGrpStatusPktsDiscCongOut)	long	The value of tmnxBsxGrpStatusPktsDiscCongOut indicates the number of packets discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
pktsDiscErrors [Pkts Disc Errors] (tmnxBsxGrpStatusPktsDiscErrors)	long	The value of tmnxBsxGrpStatusPktsDiscErrors indicates the number of packets discarded due to unrecoverable errors.
pktsDiscPolicy [Pkts Disc Policy] (tmnxBsxGrpStatusPktsDiscPolicy)	long	The value of tmnxBsxGrpStatusPktsDiscPolicy indicates the number of packets discarded by the ISA-AA MDA(s) due to policy.
pktsFromMda [Pkts From Mda] (tmnxBsxGrpStatusPktsFromMda)	long	The value of tmnxBsxGrpStatusPktsFromMda indicates the number of packets which exit the ISA-AA MDA(s) and are sent to the local IOM.
pktsIn [Pkts In] (tmnxBsxGrpStatusPktsIn)	long	The value of tmnxBsxGrpStatusPktsIn indicates the number of packets diverted from ingress IOMs towards the ISA-AA MDA(s).
pktsInMda [Pkts In Mda] (tmnxBsxGrpStatusPktsInMda)	long	The value of tmnxBsxGrpStatusPktsInMda indicates the number of packets buffered by the ISA-AA MDA(s).
pktsInPChipErrors [Pkts In PChip Errors] (tmnxBsxGrpStatusPktsInPChipErs)	long	The value of tmnxBsxGrpStatusPktsInPChipErs indicates the number of packets discarded by the egress P-chip due to errors in the packets.
pktsInspected [Pkts Inspected] (tmnxBsxGrpStatusPktsInspected)	long	The value of tmnxBsxGrpStatusPktsInspected indicates the number of packets sent for protocol determination by the ISA-AA MDA(s).
pktsOut [Pkts Out] (tmnxBsxGrpStatusPktsOut)	long	The value of tmnxBsxGrpStatusPktsOut indicates the number of packets returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsOutPChipErrors [Pkts Out PChip Errors] (tmnxBsxGrpStatusPktsOutPChipEr)	long	The value of tmnxBsxGrpStatusPktsOutPChipEr indicates the number of packets discarded due to an error detected by the P-chip while attempting to return the packet to the normal forwarding path.
pktsPolicyByPass [Pkts Policy By Pass] (tmnxBsxGrpStatusPktsPolicyByyps)	long	The value of tmnxBsxGrpStatusPktsPolicyByyps indicates the number of packets which passed untouched that did not have statistics or policy applied. These packets are counted as policy bypass errors.
pktsToMda [Pkts To Mda] (tmnxBsxGrpStatusPktsToMda)	long	The value of tmnxBsxGrpStatusPktsToMda indicates the number of packets sent from an IOM which enter the ISA-AA MDA(s).
subsCurrent [Subs Current] (tmnxBsxGrpStatusSubsCurrent)	long	The value of tmnxBsxGrpStatusSubsCurrent indicates the number of subscribers currently with flow records in the ISA-AA MDA(s).
subsDiverted [Subs Diverted] (tmnxBsxGrpStatusSubsDiverted)	long	The value of tmnxBsxGrpStatusSubsDiverted indicates the number of subscribers defined in TIMETRA-SUBSCRIBER-MGMT-MIB::tmnxSubInfoAppProfile in the tmnxSubscriberInfoTable with tmnxBsxAppProfDivert set to 'true'.
trafficRate [Traffic Rate] (tmnxBsxGrpStatusTrafficRate)	long	The value of tmnxBsxGrpStatusTrafficRate indicates the traffic rate in kilo-bits per second (kbps) incoming to the ISA-AA MDA(s).
waSBfFmSub [Wa SBf Fm Sub] (tmnxBsxGrpStatusWaSBfFmSub)	float	The value of tmnxBsxGrpStatusWaSBfFmSub indicates the percent utilization of the subscriber to network weighted average shared buffer on the ISA-AA MDA(s).
waSBfFmSubRsdCnt [Wa SBf Fm Sub Rsd Cnt] (tmnxBsxGrpStatusWaSBfFmSubRsdCnt)	java. math. BigInte- ger	The value of tmnxBsxGrpStatusWaSBfFmSubRsdCnt indicates the number of times the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmS-bWaSBufOvld) was raised since system startup.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
waSBfFmSubRsdTm [Wa SBf Fm Sub Rsd Tm] (tmnxBsxGrpStatusWaSBfFmSubRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfFmSubRsdTm indicates the amount of time the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld) was in the raised state since system startup.
waSBfFmSubState [Wa SBf Fm Sub State] (tmnxBsxGrpStatusWaSBfFmSubState)	int	The value of tmnxBsxGrpStatusWaSBfFmSubState indicates the state of the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld).
waSBfToSub [Wa SBf To Sub] (tmnxBsxGrpStatusWaSBfToSub)	float	The value of tmnxBsxGrpStatusWaSBfToSub indicates the percent utilization of the network to subscriber weighted average shared buffer on the ISA-AA MDA(s).
waSBfToSubRsdCnt [Wa SBf To Sub Rsd Cnt] (tmnxBsxGrpStatusWaSBfToSubRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfToSubRsdCnt indicates the number of times the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld) was raised since system startup.
waSBfToSubRsdTm [Wa SBf To Sub Rsd Tm] (tmnxBsxGrpStatusWaSBfToSubRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfToSubRsdTm indicates the amount of time the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld) was in the raised state since system startup.
waSBfToSubState [Wa SBf To Sub State] (tmnxBsxGrpStatusWaSBfToSubState)	int	The value of tmnxBsxGrpStatusWaSBfToSubState indicates the state of the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld).

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaLnsGroupMemberStats</p> <p>MIB entry name: tmnxL2tpIsaMdaStatisticsEntry</p> <p>Entry description: Each conceptual row contains statistics information about a Media Dependent Adapter (MDA) of an L2TP ISA Group. Entries in this table are created and removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tpIsaMdaStatisticsTable): The tmnxL2tpIsaMdaStatisticsTable contains statistics information about the Media Dependent Adapters (MDA) of an L2TP ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.LnsGroupMember</p>		
InsL2tpMlpppSequenceNumberReset [Lns L2 tp Mlppp Sequence Number Reset] (tmnxL2tpIsaMdaStatsValue)	java. math. BigInteger	The value of the object tmnxL2tpIsaMdaStatsValue indicates the value of the statistics contained in this conceptual row.
<p>LnsGroupMemberStats</p> <p>MIB entry name: tmnxL2tpIsaMdaStatEntry</p> <p>Entry description: Each conceptual row contains status and statistics information about a Media Dependent Adapter (MDA) of an L2TP ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxL2tpIsaMdaStatTable): The tmnxL2tpIsaMdaStatTable contains status and statistics information about the Media Dependent Adapters (MDA) of an L2TP ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.LnsGroupMember</p>		
operState [Oper State] (tmnxL2tpIsaMdaStatOperState)	int	The value of tmnxL2tpIsaMdaStatOperState indicates the operational state of this L2TP ISA MDA.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessions [Sessions] (tmnxL2tpIsaMdaStatSessions)	long	The value of tmnxL2tpIsaMdaStatSessions indicates the actual number of PPP sessions on this L2TP ISA MDA.
<p>VideoGroupMemberStats</p> <p>MIB entry name: tmnxVdoGrpMDAEntry</p> <p>Entry description: Each row entry represents an MDA configured for a Video ISA Group in the system. Entries are created and deleted by the user.</p> <p>Table description (for tmnxVdoGrpMDATable): The tmnxVdoGrpMDATable has an entry for each MDA configured for the Video ISP Group in the system. A specific MDA is configured for only a tmnxVdoGrpId.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.VideoGroupMember</p>		
vdoGrpMdaActiveRtcpSessions [Vdo Grp Mda Active Rtcp Sessions] (tmnxVdoGrpMdaActiveRtcpSessions)	long	The value of tmnxVdoGrpMdaActiveRtcpSessions indicates the number of active Real Time Transport Control Protocol (RTCP) sessions on this MDA.
vdoGrpMdaAdStreamAborts [Vdo Grp Mda Ad Stream Aborts] (tmnxVdoGrpMdaAdStreamAborts)	long	The value of tmnxVdoGrpMdaAdStreamAborts indicates the number of ad stream aborts on this MDA. An ad stream abort could happen when an egress reset happens.
vdoGrpMdaAdStreamResets [Vdo Grp Mda Ad Stream Resets] (tmnxVdoGrpMdaAdStreamResets)	long	The value of tmnxVdoGrpMdaAdStreamResets indicates the number of ad stream resets on this MDA. An ad stream reset occurs when the ingress ad stream stops.
vdoGrpMdaAvailableMemory [Vdo Grp Mda Available Memory] (tmnxVdoGrpMdaAvailableMemory)	long	The value of tmnxVdoGrpMdaAvailableMemory indicates the amount of cache available on the MDA for storing the video stream.
vdoGrpMdaBwInUse [Vdo Grp Mda Bw In Use] (tmnxVdoGrpMdaBwInUse)	long	The value of tmnxVdoGrpMdaBwInUse indicates the total aggregate bandwidth of the currently running egress streams.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaChannelAllocFails [Vdo Grp Mda Channel Alloc Fails] (tmnxVdoGrpMdaChannelAllocFails)	long	The value of tmnxVdoGrpMdaChannelAllocFails indicates the number of failed channel allocations on this MDA.
vdoGrpMdaChannels [Vdo Grp Mda Channels] (tmnxVdoGrpMdaChannels)	long	The value of tmnxVdoGrpMdaChannels indicates the number of channels being served on this MDA.
vdoGrpMdaEgressStreamResets [Vdo Grp Mda Egress Stream Resets] (tmnxVdoGrpMdaEgressStreamResets)	long	The value of tmnxVdoGrpMdaEgressStreamResets indicates the number of egress stream resets on this MDA. An egress stream reset occurs when there are no packets to transmit on the MDA.
vdoGrpMdaHighPktPoolLimitHit [Vdo Grp Mda High Pkt Pool Limit Hit] (tmnxVdoGrpMdaHighPktPoolLimitHit)	long	The value of tmnxVdoGrpMdaHighPktPoolLimitHit indicates the number of times the high packet pool limit has been hit. A high value of this object indicates potential failure in ingress packet storage.
vdoGrpMdaIngressStreamResets [Vdo Grp Mda Ingress Stream Resets] (tmnxVdoGrpMdaIngressStreamResets)	long	The value of tmnxVdoGrpMdaIngressStreamResets indicates the number of ingress stream resets on this MDA. An ingress stream reset occurs when the ingress stream stopped coming in for more than one second.
vdoGrpMdaMaxBwExceeded [Vdo Grp Mda Max Bw Exceeded] (tmnxVdoGrpMdaMaxBwExceeded)	long	The value of tmnxVdoGrpMdaMaxBwExceeded indicates the number of times maximum allowed bandwidth has been exceeded for each egress stream.
vdoGrpMdaRequestedRtpPkts [Vdo Grp Mda Requested Rtp Pkts] (tmnxVdoGrpMdaRequestedRtpPkts)	long	The value of tmnxVdoGrpMdaRequestedRtpPkts indicates the number of Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this MDA.
vdoGrpMdaRtcpConfigErrors [Vdo Grp Mda Rtcp Config Errors] (tmnxVdoGrpMdaRtcpConfigErrors)	long	The value of tmnxVdoGrpMdaRtcpConfigErrors indicates the number of Real-time Transport Control Protocol (RTCP) config errors on this MDA. These errors occur when there is inconsistency between the RTCP values and the configured values.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaRtcpIntErrors [Vdo Grp Mda Rtcp Int Errors] (tmnxVdoGrpMdaRtcpIntErrors)	long	The value of tmnxVdoGrpMdaRtcpIntErrors indicates the number of Real-time Transport Control Protocol (RTCP) interface related errors on this MDA.
vdoGrpMdaRtcpIpcErrors [Vdo Grp Mda Rtcp Ipc Errors] (tmnxVdoGrpMdaRtcpIpcErrors)	long	The value of tmnxVdoGrpMdaRtcpIpcErrors indicates the number of Real-time Transport Control Protocol (RTCP) inter-process communication message processing errors on this MDA.
vdoGrpMdaRtcpParseErrors [Vdo Grp Mda Rtcp Parse Errors] (tmnxVdoGrpMdaRtcpParseErrors)	long	The value of tmnxVdoGrpMdaRtcpParseErrors indicates the number of Real-time Transport Control Protocol (RTCP) packet parsing errors on this MDA.
vdoGrpMdaRtcpSgErrors [Vdo Grp Mda Rtcp Sg Errors] (tmnxVdoGrpMdaRtcpSgErrors)	long	The value of tmnxVdoGrpMdaRtcpSgErrors indicates the number of Real-time Transport Control Protocol (RTCP) channel errors on this MDA. These errors occur when a channel is not found for a given interface to process RTCP packets.
vdoGrpMdaRtcpSubErrors [Vdo Grp Mda Rtcp Sub Errors] (tmnxVdoGrpMdaRtcpSubErrors)	long	The value of tmnxVdoGrpMdaRtcpSubErrors indicates the number of Real-time Transport Control Protocol (RTCP) subscriber parameter errors on this MDA. These errors occur when the subscriber calculations exceed the maximum allowed bandwidth.
vdoGrpMdaRxDataOctets [Vdo Grp Mda Rx Data Octets] (tmnxVdoGrpMdaRxDataOctets)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataOctets indicates the number of data octets received on this MDA.
vdoGrpMdaRxDataOctetsHigh32 [Vdo Grp Mda Rx Data Octets High 32] (tmnxVdoGrpMdaRxDataOctetsHigh32)	long	The value of tmnxVdoGrpMdaRxDataOctetsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataOctets.
vdoGrpMdaRxDataOctetsLow32 [Vdo Grp Mda Rx Data Octets Low 32] (tmnxVdoGrpMdaRxDataOctetsLow32)	long	The value of tmnxVdoGrpMdaRxDataOctetsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataOctets.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaRxDataPacketErrors [Vdo Grp Mda Rx Data Packet Errors] (tmnxVdoGrpMdaRxDataPacketErrors)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataPacketErrors indicates the number of malformed or non-RTP (Real Time Transport Protocol) packets received on this MDA.
vdoGrpMdaRxDataPackets [Vdo Grp Mda Rx Data Packets] (tmnxVdoGrpMdaRxDataPackets)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataPackets indicates the number of data packets received on this MDA.
vdoGrpMdaRxDataPacketsHigh32 [Vdo Grp Mda Rx Data Packets High 32] (tmnxVdoGrpMdaRxDataPacketsHigh32)	long	The value of tmnxVdoGrpMdaRxDataPacketsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataPackets.
vdoGrpMdaRxDataPacketsLow32 [Vdo Grp Mda Rx Data Packets Low 32] (tmnxVdoGrpMdaRxDataPacketsLow32)	long	The value of tmnxVdoGrpMdaRxDataPacketsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataPackets.
vdoGrpMdaRxDataPktErrsHigh32 [Vdo Grp Mda Rx Data Pkt Errs High 32] (tmnxVdoGrpMdaRxDataPktErrsHigh32)	long	The value of tmnxVdoGrpMdaRxDataPktErrsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataPacketErrors.
vdoGrpMdaRxDataPktErrsLow32 [Vdo Grp Mda Rx Data Pkt Errs Low 32] (tmnxVdoGrpMdaRxDataPktErrsLow32)	long	The value of tmnxVdoGrpMdaRxDataPktErrsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataPacketErrors.
vdoGrpMdaSrcCollisions [Vdo Grp Mda Ssrc Collisions] (tmnxVdoGrpMdaSrcCollisions)	long	The value of tmnxVdoGrpMdaSrcCollisions indicates the number of synchronization source (SSRC) id collisions on this MDA.
vdoGrpMdaTxDataOctets [Vdo Grp Mda Tx Data Octets] (tmnxVdoGrpMdaTxDataOctets)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataOctets indicates the number of data octets transmitted on this MDA.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaTxDataOctetsHigh32 [Vdo Grp Mda Tx Data Octets High 32] (tmnxVdoGrpMdaTxDataOctetsHigh32)	long	The value of tmnxVdoGrpMdaTxDataOctetsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataOctets.
vdoGrpMdaTxDataOctetsLow32 [Vdo Grp Mda Tx Data Octets Low 32] (tmnxVdoGrpMdaTxDataOctetsLow32)	long	The value of tmnxVdoGrpMdaTxDataOctetsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataOctets.
vdoGrpMdaTxDataPacketErrors [Vdo Grp Mda Tx Data Packet Errors] (tmnxVdoGrpMdaTxDataPacketErrors)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataPacketErrors indicates the number of failed data packets due to lack of resources to be transmitted on this MDA.
vdoGrpMdaTxDataPackets [Vdo Grp Mda Tx Data Packets] (tmnxVdoGrpMdaTxDataPackets)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataPackets indicates the number of data packets transmitted on this MDA.
vdoGrpMdaTxDataPacketsHigh32 [Vdo Grp Mda Tx Data Packets High 32] (tmnxVdoGrpMdaTxDataPacketsHigh32)	long	The value of tmnxVdoGrpMdaTxDataPacketsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataPackets.
vdoGrpMdaTxDataPacketsLow32 [Vdo Grp Mda Tx Data Packets Low 32] (tmnxVdoGrpMdaTxDataPacketsLow32)	long	The value of tmnxVdoGrpMdaTxDataPacketsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataPackets.
vdoGrpMdaTxDataPktErrsHigh32 [Vdo Grp Mda Tx Data Pkt Errs High 32] (tmnxVdoGrpMdaTxDataPktErrsHigh32)	long	The value of tmnxVdoGrpMdaTxDataPktErrsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataPacketErrors.
vdoGrpMdaTxDataPktErrsLow32 [Vdo Grp Mda Tx Data Pkt Errs Low 32] (tmnxVdoGrpMdaTxDataPktErrsLow32)	long	The value of tmnxVdoGrpMdaTxDataPktErrsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataPacketErrors.

Table 469 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaTxLostPackets [Vdo Grp Mda Tx Lost Packets] (tmnxVdoGrpMdaTxLostPackets)	long	The value of tmnxVdoGrpMdaTxLostPackets indicates the number of packets not found in the video MDA buffer for retransmission. When a retransmission request arrives, packets are checked in the buffer and if they are not found, the value of this object is incremented.
vdoGrpMdaUsedMemory [Vdo Grp Mda Used Memory] (tmnxVdoGrpMdaUsedMemory)	long	The value of tmnxVdoGrpMdaUsedMemory indicates the amount of cache being used by the video group for storing the video stream.

Table 470 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisisStatsTable): The tmnxIisisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisisTable and tmnxIisisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisisStatsCSNPDrop)	long	The value of the object tmnxIisisStatsCSNPDrop indicates the number of Complete Sequence Number PDUs dropped by this instance.
csnpReceived [Csnp Received] (tmnxIisisStatsCSNPRecd)	long	The value of the object tmnxIisisStatsCSNPRecd indicates the number of Complete Sequence Number PDUs received by this instance.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisisStatsCSNPRetrans)	long	The value of the object tmnxIisisStatsCSNPRetrans indicates the number of Complete Sequence Number PDUs that had to be retransmitted by this instance.
csnpSent [Csnp Sent] (tmnxIisisStatsCSNPSent)	long	The value of the object tmnxIisisStatsCSNPSent indicates the number of Complete Sequence Number PDUs sent out by this instance.
helloDropped [Hello Dropped] (tmnxIisisStatsIIHDrop)	long	The value of the object tmnxIisisStatsIIHDrop indicates the number of IS-IS Hello packets dropped by this instance.

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the number of IS-IS Hello packets received by this instance.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the number of IS-IS Hello packets that had to be retransmitted by this instance.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the number of IS-IS Hello packets sent out by this instance.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the number of link state PDUs dropped by this instance.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the number of link state PDUs received by this instance.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the number of link state PDUs that had to be retransmitted by this instance.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the number of link state PDUs sent out by this instance.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the number of Partial Sequence Number PDUs dropped by this instance.
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPRecd)	long	The value of the object tmnxIsisStatsPSNPRecd indicates the number of Partial Sequence Number PDUs received by this instance.

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the number of Partial Sequence Number PDUs that had to be retransmitted by this instance.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the number of Partial Sequence Number PDUs sent out by this instance.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the number of unknown packets dropped by this instance.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the number of unknown packets received by this instance.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the number of unknown packets that had to be retransmitted by this instance.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the number of unknown packets sent out by this instance.
SiteLfaStats MIB entry name: tmnxIsisLfaEntry Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system. Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol. Supports realtime plotting Supports scheduled collection Monitored class: isis.Site		

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaIpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfaIpv4Coverage)	long	The value of the object tmnxIsisLfaIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfaIpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfaIpv4NodesCovered)	long	The value of the object tmnxIsisLfaIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfaIpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfaIpv4TotalNodes)	long	The value of the object tmnxIsisLfaIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfaIpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfaIpv6Coverage)	long	The value of the object tmnxIsisLfaIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfaIpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfaIpv6NodesCovered)	long	The value of the object tmnxIsisLfaIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfaIpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfaIpv6TotalNodes)	long	The value of the object tmnxIsisLfaIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIisStatsCSPFDroppedRequests)	long	The value of the object tmnxIisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIisStatsCSPFPathsFound)	long	The value of the object tmnxIisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIisStatsCSPFPathsNotFound)	long	The value of the object tmnxIisStatsCSPFPathsNotFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIisStatsCSPFRequests)	long	The value of the object tmnxIisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIisStatsInitiatedPurges)	long	The value of the object tmnxIisStatsInitiatedPurges indicates the number of times purges have been initiated.

Table 470 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lfaRuns [Lfa Runs] (tmnxIsisStatsLfaRuns)	long	The value of the object tmnxIsisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 471 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 472 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object indicates the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inMultipleSpanningTreeBpdus [In Multiple Spanning Tree Bpdus] (sapTlsStpInMstBpdus)	long	The value of the object sapTlsStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.
outMultipleSpanningTreeBpdus [Out Multiple Spanning Tree Bpdus] (sapTlsStpOutMstBpdus)	long	The value of the object sapTlsStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this SAP.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object indicates the number of Topology Change Notification BPDUs sent out this SAP.
CircuitMrpInfoStats MIB entry name: sdpBindTlsMrpEntry Entry description: Each row entry contains objects that allows the modification of the Multiple Registration Protocol feature for a specific SDP-Binding in a TLS service. Table description (for sdpBindTlsMrpTable): The sdpBindTlsMrpTable allows the operator to modify attributes of the Multiple Registration Protocol (MRP) feature for the TLS SDP Bind. This table contains an entry for each TLS SDP Bind created by the user using either sdpBindTlsTable or sdpBindMeshTlsTable. Rows in this table are created and deleted automatically by the system. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitMrpInfo		
mrpDroppedPdus [Mrp Dropped Pdus] (sdpBindTlsMrpDroppedPdus)	long	The value of sdpBindTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SDP Bind.

Table 472 l2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxEmptyEvent [Mrp Rx Empty Event] (sdpBindTlsMrpRxEmptyEvent)	long	The value of sdpBindTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SDP Bind.
mrpRxInEvent [Mrp Rx In Event] (sdpBindTlsMrpRxInEvent)	long	The value of sdpBindTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SDP Bind.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sdpBindTlsMrpRxJoinEmptyEvent)	long	The value of sdpBindTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SDP Bind.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sdpBindTlsMrpRxJoinInEvent)	long	The value of sdpBindTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SDP Bind.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sdpBindTlsMrpRxLeaveEvent)	long	The value of sdpBindTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SDP Bind.
mrpRxNewEvent [Mrp Rx New Event] (sdpBindTlsMrpRxNewEvent)	long	The value of sdpBindTlsMrpRxNewEvent indicates the number of 'New' MRP events received on this SDP Bind.
mrpRxPdus [Mrp Rx Pdus] (sdpBindTlsMrpRxPdus)	long	The value of sdpBindTlsMrpRxPdus indicates the number of MRP packets received on this SDP Bind.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sdpBindTlsMrpTxEmptyEvent)	long	The value of sdpBindTlsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SDP Bind.
mrpTxInEvent [Mrp Tx In Event] (sdpBindTlsMrpTxInEvent)	long	The value of sdpBindTlsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SDP Bind.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sdpBindTlsMrpTxJoinEmptyEvent)	long	The value of sdpBindTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SDP Bind.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sdpBindTlsMrpTxJoinInEvent)	long	The value of sdpBindTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SDP Bind.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sdpBindTlsMrpTxLeaveEvent)	long	The value of sdpBindTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SDP Bind.
mrpTxNewEvent [Mrp Tx New Event] (sdpBindTlsMrpTxNewEvent)	long	The value of sdpBindTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SDP Bind.
mrpTxPdus [Mrp Tx Pdus] (sdpBindTlsMrpTxPdus)	long	The value of sdpBindTlsMrpTxPdus indicates the number of MRP packets transmitted on this SDP Bind.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMrpInfoStats</p> <p>MIB entry name: sapTlsMrpEntry</p> <p>Entry description: MRP specific information about a SAP in a TLS.</p> <p>Table description (for sapTlsMrpTable): The sapTlsMrpTable augments sapTlsInfoTable with attributes of the Multiple Registration Protocol (MRP) feature for the TLS SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.L2AccessInterfaceMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sapTlsMrpDroppedPdus)	long	The value of sapTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SAP.
mrpRxEmptyEvent [Mrp Rx Empty Event] (sapTlsMrpRxEmptyEvent)	long	The value of sapTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SAP.
mrpRxInEvent [Mrp Rx In Event] (sapTlsMrpRxInEvent)	long	The value of sapTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SAP.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sapTlsMrpRxJoinEmptyEvent)	long	The value of sapTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SAP.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sapTlsMrpRxJoinInEvent)	long	The value of sapTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SAP.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sapTlsMrpRxLeaveEvent)	long	The value of sapTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SAP.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxNewEvent [Mrp Rx New Event] (sapTIsMrpRxNewEvent)	long	The value of sapTIsMrpRxNewEvent indicates the number of 'New' MRP events received on this SAP.
mrpRXPdus [Mrp Rx Pdus] (sapTIsMrpRXPdus)	long	The value of sapTIsMrpRXPdus indicates the number of MRP packets received on this SAP.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sapTIsMrpTxEmptyEvent)	long	The value of sapTIsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SAP.
mrpTxInEvent [Mrp Tx In Event] (sapTIsMrpTxInEvent)	long	The value of sapTIsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SAP.
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sapTIsMrpTxJoinEmptyEvent)	long	The value of sapTIsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SAP.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sapTIsMrpTxJoinInEvent)	long	The value of sapTIsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SAP.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sapTIsMrpTxLeaveEvent)	long	The value of sapTIsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SAP.
mrpTxNewEvent [Mrp Tx New Event] (sapTIsMrpTxNewEvent)	long	The value of sapTIsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SAP.
mrpTxPdus [Mrp Tx Pdus] (sapTIsMrpTxPdus)	long	The value of sapTIsMrpTxPdus indicates the number of MRP packets transmitted on this SAP.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object indicates the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object indicates the number of bad BPDUs received on this PIP uplink.
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object indicates the number of Topology Change Notification BPDUs sent out this PIP uplink.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		

Table 472 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries allocated in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize depends on the platform/chassis mode.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 473 I2tp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetTunnelStats</p> <p>MIB entry name: vRtrConfEntry</p> <p>Entry description: Each row entry represents a virtual router in the system. Entries can be created and deleted via SNMP SET operations. Creation requires a SET request containing vRtrRowStatus, vRtrName and vRtrType. Note that rows in this table are usually created by the agent itself as a side affect of some other configuration; for example, when a service vprn is created by setting the appropriate objects in the TIMETRA-SERV-MIB. There will always be at least two row entries in this table, one of these entries represents the base or transport router and the other represents the management router. These entries are created when the system is initialized and can never be deleted.</p> <p>Table description (for vRtrConfTable): The vRtrConfTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: I2tp.L2TPSession</p>		
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxCookieErr [Rx Cookie Err] (tmnxL2tpV3SeEthTuStatsRxCookErr)	java.math.BigInteger	The value of tmnxL2tpV3SeEthTuStatsRxCookErr indicates the number of packets dropped because the received Cookie value did not match the Cookie value negotiated during session establishment.
rxErrors [Rx Errors] (tmnxL2tpV3SeEthTuStatsRxErrors)	java.math.BigInteger	The value of tmnxL2tpV3SeEthTuStatsRxErrors indicates the number of packets dropped while receiving.
rxOctets [Rx Octets] (tmnxL2tpV3SeEthTuStatsRxOctets)	java.math.BigInteger	The value of tmnxL2tpV3SeEthTuStatsRxOctets indicates the number of octets received.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPackets [Rx Packets] (tmnxL2tpV3SeEthTuStatsRxPkts)	java. math. BigInteger	The value of tmnxL2tpV3SeEthTuStatsRxPkts indicates the number of packets received.
rxSeldErr [Rx Se Id Err] (tmnxL2tpV3SeEthTuStatsRxSeldErr)	java. math. BigInteger	The value of tmnxL2tpV3SeEthTuStatsRxSeldErr indicates the number of packets dropped because the received Session ID value did not match the Session ID value negotiated during session establishment.
txErrors [Tx Errors] (tmnxL2tpV3SeEthTuStatsTxErrors)	java. math. BigInteger	The value of tmnxL2tpV3SeEthTuStatsTxErrors indicates the number of packets dropped while transmitting.
txOctets [Tx Octets] (tmnxL2tpV3SeEthTuStatsTxOctets)	java. math. BigInteger	The value of tmnxL2tpV3SeEthTuStatsTxOctets indicates the number of octets transmitted.
txPackets [Tx Packets] (tmnxL2tpV3SeEthTuStatsTxPkts)	java. math. BigInteger	The value of tmnxL2tpV3SeEthTuStatsTxPkts indicates the number of packets transmitted.
<p>GroupProfileStats</p> <p>MIB entry name: tmnxL2tpTgStatEntry</p> <p>Entry description: Each row entry contains status and statistics about an L2TP tunnel group. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxL2tpTgStatTable): The tmnxL2tpTgStatTable contains status and statistics information about Layer Two Tunneling Protocol Tunnel Groups. The tmnxL2tpTgStatTable has an entry for each L2TP Tunnel Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.GroupProfile</p>		

Table 473 l2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (tmnxL2tpTgStatActiveSessions)	long	The value of tmnxL2tpTgStatActiveSessions indicates the number of sessions currently established in this tunnel group.
activeTunnels [Active Tunnels] (tmnxL2tpTgStatActiveTunnels)	long	The value of tmnxL2tpTgStatActiveTunnels indicates the number of tunnels currently established in this tunnel group.
attemptedSessions [Attempted Sessions] (tmnxL2tpTgStatTotalSessions)	long	The value of tmnxL2tpTgStatTotalSessions indicates the number of session creation attempts in this tunnel group since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
attemptedTunnels [Attempted Tunnels] (tmnxL2tpTgStatTotalTunnels)	long	The value of tmnxL2tpTgStatTotalTunnels indicates the total number of tunnel set up attempts in this tunnel group since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
cleared [Cleared] (tmnxL2tpTgStatCleared)	long	The value of the object tmnxL2tpTgStatCleared indicates the value of sysUpTime when the tunnel group statistics were cleared. The value zero indicates that the statistics have not been cleared since the last re-initialization of the local network management subsystem.
controlRxOctets [Control Rx Octets] (tmnxL2tpTgStatControlRxOctets)	java. math. BigInteger	The value of tmnxL2tpTgStatControlRxOctets indicates the number of control channel octets received by the current tunnels in this tunnel group.
controlRxOctetsHw [Control Rx Octets Hw] (tmnxL2tpTgStatControlRxOctetsHw)	long	The value of tmnxL2tpTgStatControlRxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTgStatControlRxOctets.
controlRxOctetsLw [Control Rx Octets Lw] (tmnxL2tpTgStatControlRxOctetsLw)	long	The value of tmnxL2tpTgStatControlRxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTgStatControlRxOctets.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxPkts [Control Rx Pkts] (tmnxL2tpTgStatControlRxPkts)	long	The value of tmnxL2tpTgStatControlRxPkts indicates the accumulated number of control packets received by the current tunnels in this tunnel group.
controlTxOctets [Control Tx Octets] (tmnxL2tpTgStatControlTxOctets)	java. math. BigInteger	The value of tmnxL2tpTgStatControlTxOctets indicates the accumulated number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel group.
controlTxOctetsHw [Control Tx Octets Hw] (tmnxL2tpTgStatControlTxOctetsHw)	long	The value of tmnxL2tpTgStatControlTxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTgStatControlTxOctets.
controlTxOctetsLw [Control Tx Octets Lw] (tmnxL2tpTgStatControlTxOctetsLw)	long	The value of tmnxL2tpTgStatControlTxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTgStatControlTxOctets.
controlTxPkts [Control Tx Pkts] (tmnxL2tpTgStatControlTxPkts)	long	The value of tmnxL2tpTgStatControlTxPkts indicates the accumulated number of control packets that were transmitted to the current tunnel endpoints in this tunnel group.
errorRxPkts [Error Rx Pkts] (tmnxL2tpTgStatErrorRxPkts)	long	The value of tmnxL2tpTgStatErrorRxPkts indicates the accumulated number of errored packets that were received on the current tunnels in this tunnel group.
errorTxPkts [Error Tx Pkts] (tmnxL2tpTgStatErrorTxPkts)	long	The value of tmnxL2tpTgStatErrorTxPkts indicates the accumulated number of packet transmission errors on the current tunnels in this tunnel group.
failedSessions [Failed Sessions] (tmnxL2tpTgStatFailedSessions)	long	The value of tmnxL2tpTgStatFailedSessions indicates the number of sessions in this tunnel group that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 473 l2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedTuAuth [Failed Tu Auth] (tmnxL2tpTgStatFailedTuAuth)	long	The value of tmnxL2tpTgStatFailedTuAuth indicates the number of tunnels in this tunnel group that failed authentication since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTunnels [Failed Tunnels] (tmnxL2tpTgStatFailedTunnels)	long	The value of tmnxL2tpTgStatFailedTunnels indicates the number of tunnels in this tunnel group that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
sessionAssignMethod [Session Assign Method] (tmnxL2tpTgStatSeAssignMethod)	int	The value of the object tmnxL2tpTgStatSeAssignMethod indicates the latest actual method used for the authentication of the tunnels in this Layer Two Tunneling Protocol Tunnel Group. Note that the next tunnel that will be set up in this L2TP tunnel group may or may not use the same method, since the configuration of the RADIUS server may have changed in the meantime.
sessionLimit [Session Limit] (tmnxL2tpTgStatSessionLimit)	long	The value of tmnxL2tpTgStatSessionLimit indicates the configured session limit of this tunnel group.
state [State] (tmnxL2tpTgStatState)	int	The value of tmnxL2tpTgStatState indicates the operational state of this Layer Two Tunneling Protocol Tunnel Group.
totalSessions [Total Sessions] (tmnxL2tpTgStatSessions)	long	The value of tmnxL2tpTgStatSessions indicates the actual number of sessions in this tunnel group.
totalTunnels [Total Tunnels] (tmnxL2tpTgStatTunnels)	long	The value of tmnxL2tpTgStatTunnels indicates the actual number of tunnels in this tunnel group.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerProtStats</p> <p>MIB entry name: tmnxL2tpPeerProtStatsEntry</p> <p>Entry description: Each conceptual row represents protocol statistics of a specific type for a specific L2TP peer. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tpPeerProtStatsTable): The tmnxL2tpPeerProtStatsTable contains protocol statistics information about L2TP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.Peer</p>		
protInstance [Prot Instance] (tmnxL2tpPeerProtStatsInstance)	long	The value of the object tmnxL2tpPeerProtStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. For example: if the value of the object tmnxL2tpPeerProtStatsType is equal to 'outgoingMsgType', the value of tmnxL2tpPeerProtStatsInstance is a message identifier, e.g. instance '2' refers to '(SCCRP) Start-Control-Connection-Reply', and the value of tmnxL2tpPeerProtStatsVal indicates the number of SCCRP messages transmitted for this tunnel. The value of this object is 4294967294 for Zero-Length Body (ZLB) messages. The value of this object is 4294967295 for incoming protocol messages with unknown values for message ID, return code or result code.
protName [Prot Name] (tmnxL2tpPeerProtStatsName)	String	The value of the object tmnxL2tpPeerProtStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxL2tpPeerProtStatsName is '(SCCRP) Start-Control-Connection-Reply'.
protType [Prot Type] (tmnxL2tpPeerProtStatsType)	int	The value of the object tmnxL2tpPeerProtStatsType indicates the type of L2TP protocol statistics contained in this conceptual row.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protVal [Prot Val] (tmnxL2tpPeerProtStatsVal)	long	The value of the object tmnxL2tpPeerProtStatsVal indicates the value of the statistics contained in this conceptual row.
<p>PeerStats</p> <p>MIB entry name: tmnxL2tpPeerStatEntry</p> <p>Entry description: Each row entry represents status and statistics information about a particular L2TP peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxL2tpPeerStatTable): The tmnxL2tpPeerStatTable contains status and statistics information about L2TP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.Peer</p>		
activeSessions [Active Sessions] (tmnxL2tpPeerStatActiveSessions)	long	The value of tmnxL2tpPeerStatActiveSessions indicates the number of sessions associated with this peer that are currently established.
activeTunnels [Active Tunnels] (tmnxL2tpPeerStatActiveTunnels)	long	The value of tmnxL2tpPeerStatActiveTunnels indicates the number of tunnels associated with this peer that are currently established.
controlRxOct [Control Rx Oct] (tmnxL2tpPeerStatControlRxOct)	java. math. BigInteger	The value of tmnxL2tpPeerStatControlRxOct indicates the number of control channel octets received in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctHw [Control Rx Oct Hw] (tmnxL2tpPeerStatControlRxOctHw)	long	The value of tmnxL2tpPeerStatControlRxOctHw indicates the higher 32-bits word of the value of tmnxL2tpPeerStatControlRxOct.
controlRxOctLw [Control Rx Oct Lw] (tmnxL2tpPeerStatControlRxOctLw)	long	The value of tmnxL2tpPeerStatControlRxOctLw indicates the lower 32-bits word of the value of tmnxL2tpPeerStatControlRxOct.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxPkts [Control Rx Pkts] (tmnxL2tpPeerStatControlRxPkts)	long	The value of tmnxL2tpPeerStatControlRxPkts indicates the number of control packets received by this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOct [Control Tx Oct] (tmnxL2tpPeerStatControlTxOct)	java. math. BigInteger	The value of tmnxL2tpPeerStatControlTxOct indicates the number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctHw [Control Tx Oct Hw] (tmnxL2tpPeerStatControlTxOctHw)	long	The value of tmnxL2tpPeerStatControlTxOctHw indicates the higher 32-bits word of the value of tmnxL2tpPeerStatControlTxOct.
controlTxOctLw [Control Tx Oct Lw] (tmnxL2tpPeerStatControlTxOctLw)	long	The value of tmnxL2tpPeerStatControlTxOctLw indicates the lower 32-bits word of the value of tmnxL2tpPeerStatControlTxOct.
controlTxPkts [Control Tx Pkts] (tmnxL2tpPeerStatControlTxPkts)	long	The value of tmnxL2tpPeerStatControlTxPkts indicates the number of control packets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
draining [Draining] (tmnxL2tpPeerStatDraining)	int	The value of tmnxL2tpPeerStatDraining indicates if this peer is being drained.
errorRxPkts [Error Rx Pkts] (tmnxL2tpPeerStatErrorRxPkts)	long	The value of tmnxL2tpPeerStatErrorRxPkts indicates the number of errored packets that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorTxPkts [Error Tx Pkts] (tmnxL2tpPeerStatErrorTxPkts)	long	The value of tmnxL2tpPeerStatErrorTxPkts indicates the number of packet transmission errors on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
lastCleared [Last Cleared] (tmnxL2tpPeerStatLastCleared)	long	The value of the object tmnxL2tpPeerStatLastCleared indicates the value of sysUpTime when the contents of this conceptual row were cleared for the last time. The value zero means that the contents of this conceptual row have not yet been cleared.
msgAccepted [Msg Accepted] (tmnxL2tpPeerStatMsgAccepted)	long	The value of tmnxL2tpPeerStatMsgAccepted indicates the number of Finite State Machine (FSM) messages that were accepted from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
msgDuplicateRx [Msg Duplicate Rx] (tmnxL2tpPeerStatMsgDuplicateRx)	long	The value of tmnxL2tpPeerStatMsgDuplicateRx indicates the number of Finite State Machine (FSM) duplicate messages that were received from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
msgOutOfWndwRx [Msg Out Of Wndw Rx] (tmnxL2tpPeerStatMsgOutOfWndwRx)	long	The value of tmnxL2tpPeerStatMsgOutOfWndwRx indicates the number of Finite State Machine (FSM) messages that were received out of the receive window from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
sessions [Sessions] (tmnxL2tpPeerStatSessions)	long	The value of tmnxL2tpPeerStatSessions indicates the actual number of sessions associated with this peer.
tunnels [Tunnels] (tmnxL2tpPeerStatTunnels)	long	The value of tmnxL2tpPeerStatTunnels indicates the actual number of tunnels associated with this peer.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unreachableTime [Unreachable Time] (tmnxL2tpPeerStatUnreachableTime)	long	The value of the object tmnxL2tpPeerStatUnreachableTime indicates the value of sysUpTime when the this peer was deemed unreachable for the last time. The value zero means that this peer has not been deemed unreachable yet.
<p>SiteStats</p> <p>MIB entry name: tmnxL2tpStatEntry</p> <p>Entry description: L2TP specific information about a virtual router. Each entry represents a L2TP protocol instance.</p> <p>Table description (for tmnxL2tpStatTable): A table that contains L2TP configuration information about virtual routers. The system automatically creates an entry in this table for each virtual router where L2TP is supported. Only the Base router supports L2TP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.Site</p>		
activeSessions [Active Sessions] (tmnxL2tpStatActiveSessions)	long	The value of tmnxL2tpStatActiveSessions indicates the number of sessions currently established.
activeTunnels [Active Tunnels] (tmnxL2tpStatActiveTunnels)	long	The value of tmnxL2tpStatActiveTunnels indicates the number of tunnels currently established.
attemptedSessions [Attempted Sessions] (tmnxL2tpStatTotalSessions)	long	The value of tmnxL2tpStatTotalSessions indicates the number of session creation attempts since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
attemptedTunnels [Attempted Tunnels] (tmnxL2tpStatTotalTunnels)	long	The value of tmnxL2tpStatTotalTunnels indicates the total number of tunnel set up attempts since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 473 l2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cleared [Cleared] (tmnxL2tpStatCleared)	long	The value of the object tmnxL2tpStatCleared indicates the value of sysUpTime when the system statistics were cleared. The value zero indicates that the system statistics have not been cleared since the last re-initialization of the local network management subsystem.
currentBlackListLength [Current Black List Length] (tmnxL2tpStatCurrSelBlacklstLen)	long	The value of tmnxL2tpStatCurrSelBlacklstLen indicates the actual number of tunnels and peers in the tunnel-selection-blacklist.
failedSessions [Failed Sessions] (tmnxL2tpStatFailedSessions)	long	The value of tmnxL2tpStatFailedSessions indicates the number of sessions that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTuAuth [Failed Tu Auth] (tmnxL2tpStatFailedTuAuth)	long	The value of tmnxL2tpStatFailedTuAuth indicates the number of tunnels that failed authentication since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTunnels [Failed Tunnels] (tmnxL2tpStatFailedTunnels)	long	The value of tmnxL2tpStatFailedTunnels indicates the number of tunnels that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
totalSessions [Total Sessions] (tmnxL2tpStatCurrentSessions)	long	The value of tmnxL2tpStatCurrentSessions indicates the actual number of sessions.
totalTunnels [Total Tunnels] (tmnxL2tpStatCurrentTunnels)	long	The value of tmnxL2tpStatCurrentTunnels indicates the actual number of tunnels.
unavailableTunnelIds [Unavailable Tunnel Ids] (tmnxL2tpStatUnavailTunnelIds)	long	The value of tmnxL2tpStatUnavailTunnelIds indicates the number of tunnel identifiers that is unavailable for the L2TP protocol because they are used by some other application. An example of such an application is NAT.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TunnelStatusProtStats</p> <p>MIB entry name: tmnxL2tpTuProtStatsEntry</p> <p>Entry description: Each conceptual row represents protocol statistics of a specific type. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tpTuProtStatsTable): The tmnxL2tpTuProtStatsTable shows protocol statistics information of Layer Two Tunneling Protocol Tunnels.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.TunnelStatus</p>		
protInstance [Prot Instance] (tmnxL2tpTuProtStatsInstance)	long	The value of the object tmnxL2tpTuProtStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. For example: if the value of the object tmnxL2tpTuProtStatsType is equal to 'outgoingMsgType', the value of tmnxL2tpTuProtStatsInstance is a message identifier, e.g. instance '2' refers to '(SCCRP) Start-Control-Connection-Reply', and the value of tmnxL2tpTuProtStatsVal indicates the number of SCCRP messages transmitted for this tunnel. The value of this object is 4294967294 for Zero-Length Body (ZLB) messages. The value of this object is 4294967295 for incoming protocol messages with unknown values for message ID, return code or result code.
protName [Prot Name] (tmnxL2tpTuProtStatsName)	String	The value of the object tmnxL2tpTuProtStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxL2tpTuProtStatsName is '(SCCRP) Start-Control-Connection-Reply'.
protType [Prot Type] (tmnxL2tpTuProtStatsType)	int	The value of the object tmnxL2tpTuProtStatsType indicates the type of L2TP protocol statistics contained in this conceptual row.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protVal [Prot Val] (tmnxL2tpTuProtStatsVal)	long	The value of the object tmnxL2tpTuProtStatsVal indicates the value of the statistics contained in this conceptual row.
<p>TunnelStatusStats MIB entry name: tmnxL2tpTuStatsEntry Entry description: Each conceptual row represents statistics information of a Layer Two Tunneling Protocol Tunnel. Entries in this table are created and destroyed by the system. Table description (for tmnxL2tpTuStatsTable): The tmnxL2tpTuStatsTable has an entry for each Layer Two Tunneling Protocol Tunnel. Supports realtime plotting Supports scheduled collection Monitored class: I2tp.TunnelStatus</p>		
activeSessions [Active Sessions] (tmnxL2tpTuStatsActiveSessions)	long	The value of tmnxL2tpTuStatsActiveSessions indicates the number of sessions currently established in this tunnel.
attemptedSessions [Attempted Sessions] (tmnxL2tpTuStatsTotalSessions)	long	The value of tmnxL2tpTuStatsTotalSessions indicates the number of session creation attempts in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctets [Control Rx Octets] (tmnxL2tpTuStatsControlRxOctets)	java. math. BigInteger	The value of tmnxL2tpTuStatsControlRxOctets indicates the number of control channel octets received in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctetsHw [Control Rx Octets Hw] (tmnxL2tpTuStatsControlRxOctetsHw)	long	The value of tmnxL2tpTuStatsControlRxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTuStatsControlRxOctets.
controlRxOctetsLw [Control Rx Octets Lw] (tmnxL2tpTuStatsControlRxOctetsLw)	long	The value of tmnxL2tpTuStatsControlRxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTuStatsControlRxOctets.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxPkts [Control Rx Pkts] (tmnxL2tpTuStatsControlRxPkts)	long	The value of tmnxL2tpTuStatsControlRxPkts indicates the number of control packets received by this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctets [Control Tx Octets] (tmnxL2tpTuStatsControlTxOctets)	java. math. BigInteger	The value of tmnxL2tpTuStatsControlTxOctets indicates the number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctetsHw [Control Tx Octets Hw] (tmnxL2tpTuStatsControlTxOctetsHw)	long	The value of tmnxL2tpTuStatsControlTxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTuStatsControlTxOctets.
controlTxOctetsLw [Control Tx Octets Lw] (tmnxL2tpTuStatsControlTxOctetsLw)	long	The value of tmnxL2tpTuStatsControlTxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTuStatsControlTxOctets.
controlTxPkts [Control Tx Pkts] (tmnxL2tpTuStatsControlTxPkts)	long	The value of tmnxL2tpTuStatsControlTxPkts indicates the number of control packets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorRxPkts [Error Rx Pkts] (tmnxL2tpTuStatsErrorRxPkts)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the number of errored packets that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorTxPkts [Error Tx Pkts] (tmnxL2tpTuStatsErrorTxPkts)	long	The value of tmnxL2tpTuStatsErrorTxPkts indicates the number of packet transmission errors on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedSessions [Failed Sessions] (tmnxL2tpTuStatsFailedSessions)	long	The value of tmnxL2tpTuStatsFailedSessions indicates the number of sessions in this tunnel that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgAccepted [Fsm Msg Accepted] (tmnxL2tpTuStatsFsmMsgAccepted)	long	The value of tmnxL2tpTuStatsFsmMsgAccepted indicates the number of Finite State Machine (FSM) messages that were accepted on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgDuplicateRx [Fsm Msg Duplicate Rx] (tmnxL2tpTuStatsFsmMsgDuplicateRx)	long	The value of tmnxL2tpTuStatsFsmMsgDuplicateRx indicates the number of Finite State Machine (FSM) duplicate messages that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgOutOfWdwRx [Fsm Msg Out Of Wndw Rx] (tmnxL2tpTuStatsFsmMsgOutOfWdwRx)	long	The value of tmnxL2tpTuStatsFsmMsgOutOfWdwRx indicates the number of Finite State Machine (FSM) messages that were received out of the receive window on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
lastCleared [Last Cleared] (tmnxL2tpTuStatsLastCleared)	long	The value of the object tmnxL2tpTuStatsLastCleared indicates the value of sysUpTime when the contents of this conceptual row were cleared for the last time. The value zero means that the contents of this conceptual row have not yet been cleared.
qLengthAckCur [QLength Ack Cur] (tmnxL2tpTuStatsQLengthAckCur)	long	The value of tmnxL2tpTuStatsQLengthAckCur indicates the the current length of the acknowledged message queue on this tunnel.

Table 473 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qLengthAckMax [QLength Ack Max] (tmnxL2tpTuStatsQLengthAckMax)	long	The value of tmnxL2tpTuStatsQLengthAckMax indicates the the maximum length of the acknowledged message queue on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
qLengthUnsentCur [QLength Unsent Cur] (tmnxL2tpTuStatsQLengthUnsentCur)	long	The value of tmnxL2tpTuStatsQLengthUnsentCur indicates the the current length of the unsent message queue on this tunnel.
qLengthUnsentMax [QLength Unsent Max] (tmnxL2tpTuStatsQLengthUnsentMax)	long	The value of tmnxL2tpTuStatsQLengthUnsentMax indicates the the maximum length of the unsent message queue on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
totalSessions [Total Sessions] (tmnxL2tpTuStatsSessions)	long	The value of tmnxL2tpTuStatsSessions indicates the actual number of sessions in this tunnel.
windowSizeCur [Window Size Cur] (tmnxL2tpTuStatsWindowSizeCur)	long	The value of tmnxL2tpTuStatsWindowSizeCur indicates the the current size of the receive window on this tunnel.

Table 474 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 474 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 474 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 474 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 474 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 475 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPv6InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.IPv6Extension</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: Ldp.AccountingFecPrefix</p>		

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrawIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrawOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRecv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRecv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRecv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf indicates the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeLinkAdjacencies [Active Link Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj indicates the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess indicates the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargAdjacencies [Active Targ Adjacencies] (vLdpNgStatsIPv4ActiveTargAdj)	long	The value of vLdpNgStatsIPv4ActiveTargAdj indicates the number of active IPv4 target adjacencies (i.e. established sessions) associated with the LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers indicates the number of configured IPv4 targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv indicates the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent indicates the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions indicates the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
egrFecPfxCount [Egr Fec Pfx Count] (vLdpNgStatsIPv4EgrFecPfxCount)	long	The value of vLdpNgStatsIPv4EgrFecPfxCount indicates the number of IPv4 egress FEC prefix statistics configured for this LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fec128FecInOverloaded [Fec 128 Fec In Overloaded] (vLdpNgStatsFec128FecInOLoad)	long	The value of vLdpNgStatsFec128FecInOLoad indicates the number PW ID FEC in overload state in LDP instance.
fec128FecOLSessionReceived [Fec 128 Fec OLSession Received] (vLdpNgStatsFec128FecOLSessRecv)	long	The value of vLdpNgStatsFec128FecOLSessRecv indicates the number of Overload Notifications received for PW ID FEC over sessions in LDP instance.
fec128FecOLSessionSent [Fec 128 Fec OLSession Sent] (vLdpNgStatsFec128FecOLSessSent)	long	The value of vLdpNgStatsFec128FecOLSessSent indicates the number of Overload Notifications sent for PW ID FEC over sessions in LDP instance.
fec129FecInOverloaded [Fec 129 Fec In Overloaded] (vLdpNgStatsFec129FecInOLoad)	long	The value of vLdpNgStatsFec129FecInOLoad indicates the number General PW ID FEC in overload state in LDP instance.
fec129FecOLSessionReceived [Fec 129 Fec OLSession Received] (vLdpNgStatsFec129FecOLSessRecv)	long	The value of vLdpNgStatsFec129FecOLSessRecv indicates the number of Overload Notifications received for General PW ID FEC over sessions in LDP instance.
fec129FecOLSessionSent [Fec 129 Fec OLSession Sent] (vLdpNgStatsFec129FecOLSessSent)	long	The value of vLdpNgStatsFec129FecOLSessSent indicates the number of Overload Notifications sent for General PW ID FEC over sessions in LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactifelf)	long	The value of vLdpNgStatsIPv4Inactifelf indicates the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv4InactiveTargPeers)	long	The value of vLdpNgStatsIPv4InactiveTargPeers indicates the number of inactive (i.e. operationally down) IPv4 targeted sessions associated with the LDP instance.
ipv6ActiveInterfaces [Ipv 6 Active Interfaces] (vLdpNgStatsIPv6Activelf)	long	The value of vLdpNgStatsIPv6Activelf indicates the number of active (i.e. operationally up) IPv6 interfaces associated with the LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6ActiveLinkAdjacencies [Ipv 6 Active Link Adjacencies] (vLdpNgStatsIPv6ActiveLinkAdj)	long	The value of vLdpNgStatsIPv6ActiveLinkAdj indicates the number of active IPv6 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
ipv6ActiveSessions [Ipv 6 Active Sessions] (vLdpNgStatsIPv6ActiveSess)	long	The value of vLdpNgStatsIPv6ActiveSess indicates the number of active IPv6 sessions (i.e. session in some form of creation) associated with the LDP instance.
ipv6ActiveTargAdjacencies [Ipv 6 Active Targ Adjacencies] (vLdpNgStatsIPv6ActiveTargAdj)	long	The value of vLdpNgStatsIPv6ActiveTargAdj indicates the number of active IPv6 target adjacencies (i.e. established sessions) associated with the LDP instance.
ipv6ActiveTargetedSessions [Ipv 6 Active Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers indicates the number of configured IPv6 targeted peers that are administratively up in an LDP instance.
ipv6AddressFECsReceived [Ipv 6 Address FECs Received] (vLdpNgStatsIPv6PfxFecRecv)	long	The value of vLdpNgStatsIPv6PfxFecRecv indicates the number of IPv6 Address FECs received by the LDP instance from its neighbors.
ipv6AddressFECsSent [Ipv 6 Address FECs Sent] (vLdpNgStatsIPv6PfxFecSent)	long	The value of vLdpNgStatsIPv6PfxFecSent indicates the number of IPv6 Address FECs sent by the LDP instance to its neighbors.
ipv6AttemptedSessions [Ipv 6 Attempted Sessions] (vLdpNgStatsIPv6AttemptedSessions)	long	The value of vLdpNgStatsIPv6AttemptedSessions indicates the total number of attempted IPv6 sessions for this LDP instance.
ipv6EgrFecPfxCount [Ipv 6 Egr Fec Pfx Count] (vLdpNgStatsIPv6EgrFecPfxCount)	long	The value of vLdpNgStatsIPv6EgrFecPfxCount indicates the number of IPv6 egress FEC prefix statistics configured for this LDP instance.
ipv6InactiveInterfaces [Ipv 6 Inactive Interfaces] (vLdpNgStatsIPv6InactifIf)	long	The value of vLdpNgStatsIPv6InactifIf indicates the number of inactive (i.e. operationally down) IPv6 interfaces associated with the LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6InactiveTargetedSessions [Ipv 6 Inactive Targeted Sessions] (vLdpNgStatsIPv6InactiveTargPeers)	long	The value of vLdpNgStatsIPv6InactiveTargPeers indicates the number of inactive (i.e. operationally down) IPv6 targeted sessions associated with the LDP instance.
ipv6OverloadedInterfaces [Ipv 6 Overloaded Interfaces] (vLdpNgStatsIPv6OLoadInterfaces)	long	The value of vLdpNgStatsIPv6OLoadInterfaces indicates the number of overloaded IPv6 interfaces in LDP instance.
ipv6OverloadedTargetedPeers [Ipv 6 Overloaded Targeted Peers] (vLdpNgStatsIPv6OLoadTargPeers)	long	The value of vLdpNgStatsIPv6OLoadTargPeers indicates the number of overloaded IPv6 targeted peers in LDP instance.
ipv6P2mpFecInOverloaded [Ipv 6 P2 mp Fec In Overloaded] (vLdpNgStatsIPv6P2MPFecInOLoad)	long	The value of vLdpNgStatsIPv6P2MPFecInOLoad indicates the number IPv4 P2MP FEC in overload state in LDP instance.
ipv6P2mpFecOLSessionReceived [Ipv 6 P2 mp Fec OLSession Received] (vLdpNgStatsIPv6P2MPFecOLSessRecv)	long	The value of vLdpNgStatsIPv6P2MPFecOLSessRecv indicates the number of Overload Notifications received for IPv6 P2MP FEC over sessions in LDP instance.
ipv6P2mpFecOLSessionSent [Ipv 6 P2 mp Fec OLSession Sent] (vLdpNgStatsIPv6P2MPFecOLSessSent)	long	The value of vLdpNgStatsIPv6P2MPFecOLSessSent indicates the number of Overload Notifications sent for IPv6 P2MP FEC over sessions in LDP instance.
ipv6PfxFecInOverloaded [Ipv 6 Pfx Fec In Overloaded] (vLdpNgStatsIPv6PfxFecInOLoad)	long	The value of vLdpNgStatsIPv6PfxFecInOLoad indicates the number IPv6 Address FEC in overload state in LDP instance.
ipv6PfxFecOLSessionReceived [Ipv 6 Pfx Fec OLSession Received] (vLdpNgStatsIPv6PfxFecOLSessRecv)	long	The value of vLdpNgStatsIPv6PfxFecOLSessRecv indicates the number of Overload Notifications received for IPv6 address FEC over sessions in LDP instance.
ipv6PfxFecOLSessionSent [Ipv 6 Pfx Fec OLSession Sent] (vLdpNgStatsIPv6PfxFecOLSessSent)	long	The value of vLdpNgStatsIPv6PfxFecOLSessSent indicates the number of Overload Notifications sent for IPv6 address FEC over sessions in LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents indicates the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
overloadedInterfaces [Overloaded Interfaces] (vLdpNgStatsIPv4OLoadInterfaces)	long	The value of vLdpNgStatsIPv4OLoadInterfaces indicates the number of overloaded IPv4 interfaces in LDP instance.
overloadedTargetedPeers [Overloaded Targeted Peers] (vLdpNgStatsIPv4OLoadTargPeers)	long	The value of vLdpNgStatsIPv4OLoadTargPeers indicates the number of overloaded IPv4 targeted peers in LDP instance.
p2mpFecInOverloaded [P2 mp Fec In Overloaded] (vLdpNgStatsIPv4P2MPFecInOLoad)	long	The value of vLdpNgStatsIPv4P2MPFecInOLoad indicates the number IPv4 P2MP FEC in overload state in LDP instance.
p2mpFecOLSessionReceived [P2 mp Fec OLSession Received] (vLdpNgStatsIPv4P2MPFecOLSessionReceived)	long	The value of vLdpNgStatsIPv4P2MPFecOLSessionReceived indicates the number of Overload Notifications received for IPv4 P2MP FEC over sessions in LDP instance.
p2mpFecOLSessionSent [P2 mp Fec OLSession Sent] (vLdpNgStatsIPv4P2MPFecOLSessionSent)	long	The value of vLdpNgStatsIPv4P2MPFecOLSessionSent indicates the number of Overload Notifications sent for IPv4 P2MP FEC over sessions in LDP instance.
pfxFecInOverloaded [Pfx Fec In Overloaded] (vLdpNgStatsIPv4PfxFecInOLoad)	long	The value of vLdpNgStatsIPv4PfxFecInOLoad indicates the number IPv4 Address FEC in overload state in LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pfxFecOLSessionReceived [Pfx Fec OLSession Received] (vLdpNgStatsIPv4PfxFecOLSessRecv)	long	The value of vLdpNgStatsIPv4PfxFecOLSessRecv indicates the number of Overload Notifications received for IPv4 address FEC over sessions in LDP instance.
pfxFecOLSessionSent [Pfx Fec OLSession Sent] (vLdpNgStatsIPv4PfxFecOLSessSent)	long	The value of vLdpNgStatsIPv4PfxFecOLSessSent indicates the number of Overload Notifications sent for IPv4 address FEC over sessions in LDP instance.
service129FECsReceived [Service 129 FECs Received] (vLdpNgStatsFec129FecRecv)	long	The value of vLdpNgStatsFec129FecRecv indicates the number of General Pseudo wire ID FECs received by the LDP instance from its neighbors.
service129FECsSent [Service 129 FECs Sent] (vLdpNgStatsFec129FecSent)	long	The value of vLdpNgStatsFec129FecSent indicates the number of General Pseudo wire ID FECs sent by the LDP instance to its neighbors.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv indicates the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent indicates the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLbIRngeErrs)	long	The value of vLdpNgStatsSessRejLbIRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vLdpNgStatsUnknownTlvErrors)	long	The value of vLdpNgStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.
<p>SiteStatsExtension</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		

Table 475 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vLdpNgStatsIPv6P2MPFecRecv)	long	The value of vLdpNgStatsIPv6P2MPFecRecv indicates the number of IPv6 P2MP FECs received by the LDP instance from its neighbors.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vLdpNgStatsIPv6P2MPFecSent)	long	The value of vLdpNgStatsIPv6P2MPFecSent indicates the number of IPv6 P2MP FECs sent by the LDP instance to its neighbors.
p2mpFecReceived [P2 mp Fec Received] (vLdpNgStatsIPv4P2MPFecRecv)	long	The value of vLdpNgStatsIPv4P2MPFecRecv indicates the number of IPv4 P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vLdpNgStatsIPv4P2MPFecSent)	long	The value of vLdpNgStatsIPv4P2MPFecSent indicates the number of IPv4 P2MP FECs sent by the LDP instance to its neighbors.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.TargetedPeer</p>		

Table 475 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 476 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 476 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 476 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 476 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 477 Imp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ControlChannelStats</p> <p>MIB entry name: tmnxLmpVRtrControlChanStatsEntry</p> <p>Entry description: The tmnxLmpVRtrControlChanStatsEntry consists of statistical information about a control channel for a virtual router instance.</p> <p>Table description (for tmnxLmpVRtrControlChanStatsTable): The tmnxLmpVRtrControlChanStatsTable contains the LMP control channel statistics counters for a virtual router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Imp.ControlChannel</p>		
ImpVRtrCcConfigAckReceived [Lmp VRtr Cc Config Ack Received] (tmnxLmpVRtrCcConfigAckReceived)	long	The value of tmnxLmpVRtrCcConfigAckReceived indicates the number of ConfigAck messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigAckSent [Lmp VRtr Cc Config Ack Sent] (tmnxLmpVRtrCcConfigAckSent)	long	The value of tmnxLmpVRtrCcConfigAckSent indicates the number of ConfigAck messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigNackReceived [Lmp VRtr Cc Config Nack Received] (tmnxLmpVRtrCcConfigNackReceived)	long	The value of tmnxLmpVRtrCcConfigNackReceived indicates the number of ConfigNack messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 477 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrCcConfigNackSent [Lmp VRtr Cc Config Nack Sent] (tmnxLmpVRtrCcConfigNackSent)	long	The value of tmnxLmpVRtrCcConfigNackSent indicates the number of ConfigNack messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigReceived [Lmp VRtr Cc Config Received] (tmnxLmpVRtrCcConfigReceived)	long	The value of tmnxLmpVRtrCcConfigReceived indicates the number of Config messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigRetransmit [Lmp VRtr Cc Config Retransmit] (tmnxLmpVRtrCcConfigRetransmit)	long	The value of tmnxLmpVRtrCcConfigRetransmit indicates the number of Config messages that have been retransmitted over this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigSent [Lmp VRtr Cc Config Sent] (tmnxLmpVRtrCcConfigSent)	long	The value of tmnxLmpVRtrCcConfigSent indicates the number of Config messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcHelloReceived [Lmp VRtr Cc Hello Received] (tmnxLmpVRtrCcHelloReceived)	long	The value of tmnxLmpVRtrCcHelloReceived indicates the number of Hello messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 477 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrCcHelloSent [Lmp VRtr Cc Hello Sent] (tmnxLmpVRtrCcHelloSent)	long	The value of tmnxLmpVRtrCcHelloSent indicates the number of Hello messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcInErrors [Lmp VRtr Cc In Errors] (tmnxLmpVRtrCcInErrors)	long	The value of tmnxLmpVRtrCcInErrors indicates the number of inbound packets that contained errors preventing them from being processed by LMP. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumAckReceived [Lmp VRtr Cc Link Sum Ack Received] (tmnxLmpVRtrCcLinkSumAckReceived)	long	The value of tmnxLmpVRtrCcLinkSumAckReceived indicates the number of LinkSummaryAck messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumAckSent [Lmp VRtr Cc Link Sum Ack Sent] (tmnxLmpVRtrCcLinkSumAckSent)	long	The value of tmnxLmpVRtrCcLinkSumAckSent indicates the number of LinkSummaryAck messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumNackReceived [Lmp VRtr Cc Link Sum Nack Received] (tmnxLmpVRtrCcLinkSumNackReceived)	long	The value of tmnxLmpVRtrCcLinkSumNackReceived indicates the number of LinkSummaryNack messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 477 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrCcLinkSumNackSent [Lmp VRtr Cc Link Sum Nack Sent] (tmnxLmpVRtrCcLinkSumNackSent)	long	The value of tmnxLmpVRtrCcLinkSumNackSent indicates the number of LinkSummaryNack messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumReceived [Lmp VRtr Cc Link Sum Received] (tmnxLmpVRtrCcLinkSumReceived)	long	The value of tmnxLmpVRtrCcLinkSumReceived indicates the number of LinkSummary messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumRetransmit [Lmp VRtr Cc Link Sum Retransmit] (tmnxLmpVRtrCcLinkSumRetransmit)	long	The value of tmnxLmpVRtrCcLinkSumRetransmit indicates the number of LinkSummary messages that have been retransmitted over this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumSent [Lmp VRtr Cc Link Sum Sent] (tmnxLmpVRtrCcLinkSumSent)	long	The value of tmnxLmpVRtrCcLinkSumSent indicates the number of LinkSummary messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcOutErrors [Lmp VRtr Cc Out Errors] (tmnxLmpVRtrCcOutErrors)	long	The value of tmnxLmpVRtrCcOutErrors indicates the number of outbound packets that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 477 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TeLinkStats</p> <p>MIB entry name: tmnxLmpVRtrTeLinkStatsEntry</p> <p>Entry description: The tmnxLmpVRtrTeLinkStatsEntry consists of statistical information about a TE link for a virtual router instance.</p> <p>Table description (for tmnxLmpVRtrTeLinkStatsTable): The tmnxLmpVRtrTeLinkStatsTable contains the LMP Traffic Engineering (TE) link statistics counters for a virtual router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Imp.TeLink</p>		
ImpVRtrTeLinkSumAckReceived [Lmp VRtr Te Link Sum Ack Received] (tmnxLmpVRtrTeLinkSumAckReceived)	long	The value of tmnxLmpVRtrTeLinkSumAckReceived indicates the number of LinkSummaryAck messages that have been received for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumAckSent [Lmp VRtr Te Link Sum Ack Sent] (tmnxLmpVRtrTeLinkSumAckSent)	long	The value of tmnxLmpVRtrTeLinkSumAckSent indicates the number of LinkSummaryAck messages that have been sent for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumNackReceived [Lmp VRtr Te Link Sum Nack Received] (tmnxLmpVRtrTeLinkSumNackReceived)	long	The value of tmnxLmpVRtrTeLinkSumNackReceived indicates the number of LinkSummaryNack messages that have been received for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.

Table 477 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrTeLinkSumNackSent [Lmp VRtr Te Link Sum Nack Sent] (tmnxLmpVRtrTeLinkSumNackSent)	long	The value of tmnxLmpVRtrTeLinkSumNackSent indicates the number of LinkSummaryNack messages that have been sent for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumReceived [Lmp VRtr Te Link Sum Received] (tmnxLmpVRtrTeLinkSumReceived)	long	The value of tmnxLmpVRtrTeLinkSumReceived indicates the number of LinkSummary messages that have been received for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumRetransmit [Lmp VRtr Te Link Sum Retransmit] (tmnxLmpVRtrTeLinkSumRetransmit)	long	The value of tmnxLmpVRtrTeLinkSumRetransmit indicates the number of LinkSummary messages that have been retransmitted for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumSent [Lmp VRtr Te Link Sum Sent] (tmnxLmpVRtrTeLinkSumSent)	long	The value of tmnxLmpVRtrTeLinkSumSent indicates the number of LinkSummary messages that have been sent for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.

Table 478 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupSourceSummaryStats</p> <p>MIB entry name: vRtrMldGrpSrcSummaryEntry</p> <p>Entry description: An entry in the vRtrMldGrpSrcSummaryTable. Each entry represents the summary counters for each Group/Source combination.</p> <p>Table description (for vRtrMldGrpSrcSummaryTable): The table listing the IP multicast Group/Source summary counters.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Site</p>		
blockedGrpIntfSaps [Blocked Grp Intf Saps] (vRtrMldGrpSrcSummBlkGrpIfSaps)	long	The value of vRtrMldGrpSrcSummBlkGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the blocking list.
blockedHosts [Blocked Hosts] (vRtrMldGrpSrcSummBlkHosts)	long	The value of vRtrMldGrpSrcSummBlkHosts indicates the number of hosts having this Group/Source combination in the blocking list.
blockedInterfaces [Blocked Interfaces] (vRtrMldGrpSrcSummBlkInterfaces)	long	The value of vRtrMldGrpSrcSummBlkInterfaces indicates the number of interfaces having this Group/Source combination in the blocking list.
fwdGrpIntfSaps [Fwd Grp Intf Saps] (vRtrMldGrpSrcSummFwdGrpIfSaps)	long	The value of vRtrMldGrpSrcSummFwdGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the forwarding list.
fwdHosts [Fwd Hosts] (vRtrMldGrpSrcSummFwdHosts)	long	The value of vRtrMldGrpSrcSummFwdHosts indicates the number of hosts having this Group/Source combination in the forwarding list.
fwdInterfaces [Fwd Interfaces] (vRtrMldGrpSrcSummFwdInterfaces)	long	The value of vRtrMldGrpSrcSummFwdInterfaces indicates the number of interfaces having this Group/Source combination in the forwarding list.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
GrpInterfaceSapStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Supports realtime plotting Supports scheduled collection Monitored class: mld.GrpInterfaceSap		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fwdServiceId [Fwd Service Id] (vRtrIfFwdSvcId)	long	The value of vRtrIfFwdSvcId specifies the forwarding service ID for a subscriber interface in a retailer context.
groupIfIndex [Group If Index] (vRtrGrpIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrGrpIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrGrpIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
importPolicyDrops [Import Policy Drops] (vRtrMldGrpIfSapImportPlcyDrops)	long	The value of vRtrMldGrpIfSapImportPlcyDrops indicates the total number of times MLD protocol instance matched the host IP address or group/source addresses specified in the import policy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrMldGrpIfSapStatsMcacPlcyDrp)	long	The value of the object vRtrMldGrpIfSapStatsMcacPlcyDrp indicates the number times an MLD Group is dropped because of applying a multicast CAC policy for this SAP.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldGrpIfSapRxBadChksumPkts)	long	The value of vRtrMldGrpIfSapRxBadChksumPkts indicates the total number of MLD packets with bad checksum received for this SAP.
rxBadEncodings [Rx Bad Encodings] (vRtrMldGrpIfSapRxBadEncodings)	long	The value of vRtrMldGrpIfSapRxBadEncodings indicates the total number of MLD packets received for this SAP which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldGrpIfSapRxBadLenPkts)	long	The value of vRtrMldGrpIfSapRxBadLenPkts indicates the total number of MLD packets with bad length received for this SAP.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldGrpIfSapRxBadRecvIfPkts)	long	The value of vRtrMldGrpIfSapRxBadRecvIfPkts indicates the total number of MLD packets incorrectly received for this SAP.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrMldGrpIfSapRxGenQueries)	long	The value of vRtrMldGrpIfSapRxGenQueries indicates the total number of MLD General Queries received for this SAP.
rxGrpQueries [Rx Grp Queries] (vRtrMldGrpIfSapRxGrpQueries)	long	The value of vRtrMldGrpIfSapRxGrpQueries indicates the number of MLD Group Specific Queries received for this SAP.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldGrpIfSapRxGrpSrcQueries)	long	The value of vRtrMldGrpIfSapRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received for this SAP.
rxLeaves [Rx Leaves] (vRtrMldGrpIfSapRxLeaves)	long	The value of vRtrMldGrpIfSapRxLeaves indicates the total number of MLD Leaves received for this SAP.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldGrpIfSapRxLocalScopePkts)	long	The value of the object vRtrMldGrpIfSapRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldGrpIfSapRxNoRtrAlertPkts)	long	The value of vRtrMldGrpIfSapRxNoRtrAlertPkts indicates the total number of MLDv2 packets received for this SAP which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldGrpIfSapRxNonLocal)	long	The value of vRtrMldGrpIfSapRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldGrpIfSapRxPktDrops)	long	The value of vRtrMldGrpIfSapRxPktDrops indicates the total number of MLD packets that were received for this SAP but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldGrpIfSapRxRsvdScopePkts)	long	The value of the object vRtrMldGrpIfSapRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv4 multicast address.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldGrpIfSapRxUnknTypePkts)	long	The value of vRtrMldGrpIfSapRxUnknTypePkts indicates the total number of MLD packets with unknown type received for this SAP.
rxV1Reports [Rx V1 Reports] (vRtrMldGrpIfSapRxV1Reports)	long	The value of vRtrMldGrpIfSapRxV1Reports indicates the total number of MLD V1 Reports received for this SAP.
rxV2Reports [Rx V2 Reports] (vRtrMldGrpIfSapRxV2Reports)	long	The value of vRtrMldGrpIfSapRxV2Reports indicates the total number of MLD V2 Reports received for this SAP.
rxWrongVersions [Rx Wrong Versions] (vRtrMldGrpIfSapRxWrongVersions)	long	The value of vRtrMldGrpIfSapRxWrongVersions indicates the total number of MLD packets with wrong versions received for this SAP.
sgTypes [Sg Types] (vRtrMldGrpIfSapStatsSGTypes)	long	The value of vRtrMldGrpIfSapStatsSGTypes indicates the number of entries for this SAP for which the source type is 'sg'.
starGTypes [Star GTypes] (vRtrMldGrpIfSapStatsStarGTypes)	long	The value of vRtrMldGrpIfSapStatsStarGTypes indicates the number of entries for this SAP for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldGrpIfSapTxErrors)	long	The value of vRtrMldGrpIfSapTxErrors indicates the total number of times there was an error transmitting MLD packets for this SAP.
txGenQueries [Tx Gen Queries] (vRtrMldGrpIfSapTxGenQueries)	long	The value of vRtrMldGrpIfSapTxGenQueries indicates the number of MLD General Queries transmitted for this SAP.
txGrpQueries [Tx Grp Queries] (vRtrMldGrpIfSapTxGrpQueries)	long	The value of vRtrMldGrpIfSapTxGrpQueries indicates the number of MLD Group Specific Queries transmitted for this SAP.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldGrpIfSapTxGrpSrcQueries)	long	The value of vRtrMldGrpIfSapTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted for this SAP.
txLeaves [Tx Leaves] (vRtrMldGrpIfSapTxLeaves)	long	The value of vRtrMldGrpIfSapTxLeaves indicates the total number of MLD Leaves transmitted for this SAP.
txV1Reports [Tx V1 Reports] (vRtrMldGrpIfSapTxV1Reports)	long	The value of vRtrMldGrpIfSapTxV1Reports indicates the total number of MLD V1 Reports transmitted for this SAP.
txV2Reports [Tx V2 Reports] (vRtrMldGrpIfSapTxV2Reports)	long	The value of vRtrMldGrpIfSapTxV2Reports indicates the total number of MLD V2 Reports transmitted for this SAP.
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsMcacPolicyDrops [Stats Mcac Policy Drops] (vRtrMldIfStatsMcacPolicyDrops)	long	The value of the object vRtrMldIfStatsMcacPolicyDrops indicates the number times an MLD Group is dropped because of applying a multicast CAC policy on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	The value of vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MldHostStats MIB entry name: vRtrMldHostStatsEntry Entry description: An entry in the vRtrMldHostStatsTable. Table description (for vRtrMldHostStatsTable): The table listing the MLD statistics for a particular host. Supports realtime plotting Does not support scheduled collection Monitored class: mld.MldHost</p>		
importPolicyDrops [Import Policy Drops] (vRtrMldHostImportPolicyDrops)	long	The value of vRtrMldHostImportPolicyDrops indicates the total number of times MLD protocol instance matched the host IP address or group/source addresses specified in the import policy.
ipAddrType [Ip Addr Type] (vRtrMldHostAddressType)	int	The value of vRtrMldHostAddressType indicates the type of address to be used for vRtrMldHostAddress.
ipAddress [Ip Address] (vRtrMldHostAddress)	String	The value of vRtrMldHostAddress indicates the IP host address for which this entry contains information.
macAddress [Mac Address] (vRtrMldHostMacAddress)	String	The value of vRtrMldHostMacAddress indicates the MAC address of this subscriber host.
mcacPolicyDrops [Mcac Policy Drops] (vRtrMldHostStatsMcacPolicyDrops)	long	The value of the object vRtrMldHostStatsMcacPolicyDrops indicates the number times an MLD Group is dropped because of applying a multicast CAC policy for this host.
pppoeSessionId [Pppoe Session Id] (vRtrMldHostPppoeSessionId)	long	The value of vRtrMldHostPppoeSessionId indicates the PPPoE session id of this subscriber host.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
redirectionDrops [Redirection Drops] (vRtrMldHostRedirectionDrops)	long	The value of the object vRtrMldHostRedirectionDrops indicates the number times an MLD Group is dropped because of a failure while applying a redirection policy for this host.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldHostRxBadChecksumPkts)	long	The value of vRtrMldHostRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received for this host.
rxBadEncodings [Rx Bad Encodings] (vRtrMldHostRxBadEncodings)	long	The value of vRtrMldHostRxBadEncodings indicates the total number of MLD packets received for this host which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldHostRxBadLenPkts)	long	The value of vRtrMldHostRxBadLenPkts indicates the total number of MLD packets with bad length received for this host.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldHostRxBadReceiveIfPkts)	long	The value of vRtrMldHostRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received for this host.
rxGenQueries [Rx Gen Queries] (vRtrMldHostRxGenQueries)	long	The value of vRtrMldHostRxGenQueries indicates the total number of MLD General Queries received for this host.
rxGrpQueries [Rx Grp Queries] (vRtrMldHostRxGrpQueries)	long	The value of vRtrMldHostRxGrpQueries indicates the number of MLD Group Specific Queries received for this host.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldHostRxGrpSrcQueries)	long	The value of vRtrMldHostRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received for this host.
rxLeaves [Rx Leaves] (vRtrMldHostRxLeaves)	long	The value of vRtrMldHostRxLeaves indicates the total number of MLD Leaves received for this host.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldHostRxLocalScopePkts)	long	The value of the object vRtrMldHostRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldHostRxNoRtrAlertPkts)	long	The value of vRtrMldHostRxNoRtrAlertPkts indicates the total number of MLDv2 packets received for this host which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldHostRxNonLocal)	long	The value of vRtrMldHostRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldHostRxPktDrops)	long	The value of vRtrMldHostRxPktDrops indicates the total number of MLD packets that were received for this host but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldHostRxRsvdScopePkts)	long	The value of the object vRtrMldHostRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv4 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldHostRxUnknownTypePkts)	long	The value of vRtrMldHostRxUnknownTypePkts indicates the total number of MLD packets with unknown type received for this host.
rxV1Reports [Rx V1 Reports] (vRtrMldHostRxV1Reports)	long	The value of vRtrMldHostRxV1Reports indicates the total number of MLD V1 Reports received for this host.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrMldHostRxV2Reports)	long	The value of vRtrMldHostRxV2Reports indicates the total number of MLD V2 Reports received for this host.
rxWrongVersions [Rx Wrong Versions] (vRtrMldHostRxWrongVersions)	long	The value of vRtrMldHostRxWrongVersions indicates the total number of MLD packets with wrong versions received for this host.
sgTypes [Sg Types] (vRtrMldHostStatsSGTypes)	long	The value of vRtrMldHostStatsSGTypes indicates the number of entries for this host for which the source type is 'sg'.
starGTypes [Star GTypes] (vRtrMldHostStatsStarGTypes)	long	The value of vRtrMldHostStatsStarGTypes indicates the number of entries for this host for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldHostTxErrors)	long	The value of vRtrMldHostTxErrors indicates the total number of times there was an error transmitting MLD packets for this host.
txGenQueries [Tx Gen Queries] (vRtrMldHostTxGenQueries)	long	The value of vRtrMldHostTxGenQueries indicates the number of MLD General Queries transmitted for this host.
txGrpQueries [Tx Grp Queries] (vRtrMldHostTxGrpQueries)	long	The value of vRtrMldHostTxGrpQueries indicates the number of MLD Group Specific Queries transmitted for this host.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldHostTxGrpSrcQueries)	long	The value of vRtrMldHostTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted for this host.
txLeaves [Tx Leaves] (vRtrMldHostTxLeaves)	long	The value of vRtrMldHostTxLeaves indicates the total number of MLD Leaves transmitted for this host.

Table 478 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV1Reports [Tx V1 Reports] (vRtrMldHostTxV1Reports)	long	The value of vRtrMldHostTxV1Reports indicates the total number of MLD V1 Reports transmitted for this host.
txV2Reports [Tx V2 Reports] (vRtrMldHostTxV2Reports)	long	The value of vRtrMldHostTxV2Reports indicates the total number of MLD V2 Reports transmitted for this host.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 479 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats MIB entry name: vRtrMplsLspPathStatEntry Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Supports realtime plotting Supports scheduled collection Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries indicates the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
<p>S2LPathStats</p> <p>MIB entry name: vRtrMplsS2lSubLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.S2LPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeDown indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 479 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
srTeLspOriginate [Sr Te Lsp Originate] (vRtrMplsGeneralSrTeLspOriginate)	long	The value of vRtrMplsGeneralSrTeLspOriginate indicates the number of Segment Routing TE LSPs that are originating at this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 480 mplstp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathMepStats</p> <p>MIB entry name: vRtrMplsTpLspPtPathMepStatEntry</p> <p>Entry description: The vRtrMplsTpLspPathMepEntry represents a Maintenance Endpoint for a MPLS-TP LSP protection Path. Rows are created and destroyed by the system based on the configuration of the MEP protection-type.</p> <p>Table description (for vRtrMplsTpLspPtPathMepStatTable): The vRtrMplsTpLspPtPathMepStatTable maintains the Maintenance End Points (MEPs) statistics for MPLS-TP LSP protection paths.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mplstp.PathMep</p>		
wtrTimer [Wtr Timer] (vRtrMplsTpLspPtPathMepWTRTimer)	long	The value of vRtrMplsTpLspPtPathMepWTRTimer indicates the remaining Wait-To-Restore time, in seconds, before the protection path can switch back to the working path. A value of zero (0) indicates that there is no WTR timer in effect.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplstp.Site</p>		
mplsTpLspOriginate [Mpls Tp Lsp Originate] (vRtrMplsGenMplsTpLspOriginate)	long	The value of vRtrMplsGenMplsTpLspOriginate indicates the number of MPLS TP LSPs that originate at this virtual router.
mplsTpLspTerminate [Mpls Tp Lsp Terminate] (vRtrMplsGenMplsTpLspTerminate)	long	The value of vRtrMplsGenMplsTpLspTerminate indicates the number of MPLS TP LSPs that terminate at this virtual router.

Table 480 mplsTp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsTpLspTransit [Mpls Tp Lsp Transit] (vRtrMplsGenMplsTpLspTransit)	long	The value of vRtrMplsGenMplsTpLspTransit indicates the number of MPLS TP LSPs that transit through this virtual router.
mplsTpOrigPathInst [Mpls Tp Orig Path Inst] (vRtrMplsGenMplsTpOrigPathInst)	long	The value of vRtrMplsGenMplsTpOrigPathInst indicates the number of MPLS TP LSPs originate path instances.
mplsTpTermPathInst [Mpls Tp Term Path Inst] (vRtrMplsGenMplsTpTermPathInst)	long	The value of vRtrMplsGenMplsTpTermPathInst indicates the number of MPLS TP LSPs terminated path instances.
mplsTpTranPathInst [Mpls Tp Tran Path Inst] (vRtrMplsGenMplsTpTranPathInst)	long	The value of vRtrMplsGenMplsTpTranPathInst indicates the number of MPLS TP LSPs transit path instances.
TpLspEgressStats MIB entry name: vRtrMplsLspStatisticsEntry Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored class: mplsTp.TPLsp		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.

Table 480 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.

Table 480 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.

Table 480 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.

Table 480 mplsstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 480 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TpLspGeneralStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.

Table 480 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by $(vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) \%$.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>TpLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		

Table 480 mplsip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 480 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 480 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 480 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 480 mplsstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 481 msdp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMsdpNgPeerStatsEntry</p> <p>Entry description: tmnxMsdpNgPeerStatsEntry is an entry (conceptual row) in the tmnxMsdpNgPeerStatsTable. Each entry represents a MSDP peer related statistics information.</p> <p>Table description (for tmnxMsdpNgPeerStatsTable): The table tmnxMsdpNgPeerStatsTable is the statistics information related to a MSDP peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • msdp.GroupPeer • msdp.Peer 		
errorMsgsReceived [Error Msgs Received] (tmnxMsdpNgPeerStatsErrMsgsRx)	long	The value of tmnxMsdpNgPeerStatsErrMsgsRx indicates number of error messages received.
keepAliveMsgsReceived [Keep Alive Msgs Received] (tmnxMsdpNgPeerStatsKAMsgsRx)	long	The value of tmnxMsdpNgPeerStatsKAMsgsRx indicates the number of keep-alive messages received.
keepAliveMsgsSent [Keep Alive Msgs Sent] (tmnxMsdpNgPeerStatsKAMsgsSent)	long	The value of tmnxMsdpNgPeerStatsKAMsgsSent indicates the number of keep-alive messages sent.
lastMsgPeer [Last Msg Peer] (tmnxMsdpNgPeerStatsLastMsgPeer)	long	The value of tmnxMsdpNgPeerStatsLastMsgPeer indicates how long ago the last message was received from this peer instance.
lastStateChange [Last State Change] (tmnxMsdpNgPeerStatsLastStChange)	long	The value of tmnxMsdpNgPeerStatsLastStChange indicates how long ago the peer state changed.

Table 481 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTimeouts [Peer Timeouts] (tmnxMsdpNgPeerStatsPeerTimeouts)	long	The value of tmnxMsdpNgPeerStatsPeerTimeouts indicates the number of peer timeouts.
remoteCloses [Remote Closes] (tmnxMsdpNgPeerStatsRemoteCloses)	long	The value of tmnxMsdpNgPeerStatsRemoteCloses indicates the number of times the remote peer closed.
reservedMsgsReceived [Reserved Msgs Received] (tmnxMsdpNgPeerStatsResvMsgsRx)	long	The value of tmnxMsdpNgPeerStatsResvMsgsRx indicates the number of MSDP messages received with type 'Reserved'.
rpfFailures [Rpf Failures] (tmnxMsdpNgPeerStatsRPFFailures)	long	The value of tmnxMsdpNgPeerStatsRPFFailures indicates number of reverse path forwarding (RPF) failures.
saLearned [Sa Learned] (tmnxMsdpNgPeerStatsSALearnt)	long	The value of tmnxMsdpNgPeerStatsSALearnt indicates the number of unique source active entries in the cache learned from the peer.
saLimitExceeded [Sa Limit Exceeded] (tmnxMsdpNgPeerStatsActSrcLimExcd)	long	The value of tmnxMsdpNgPeerStatsActSrcLimExcd indicates the number of times the global active source limit has been exceeded by this peer instance.
saMsgsReceived [Sa Msgs Received] (tmnxMsdpNgPeerStatsSAMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAMsgsRx indicates the number of source-active messages received.
saMsgsSent [Sa Msgs Sent] (tmnxMsdpNgPeerStatsSAMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAMsgsSent indicates the number of source-active messages sent.
saRejectExportPolicy [Sa Reject Export Policy] (tmnxMsdpNgPeerStatsSARejExpPly)	long	The value of tmnxMsdpNgPeerStatsSARejExpPly indicates the number of source active messages from the peer that were not sent due to export policy.

Table 481 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saRejectImportPolicy [Sa Reject Import Policy] (tmnxMsdpNgPeerStatsSARejImpPlcy)	long	The value of tmnxMsdpNgPeerStatsSARejImpPlcy indicates the number of source active messages from the peer that were rejected due to import policy.
saRequestMsgsReceived [Sa Request Msgs Received] (tmnxMsdpNgPeerStatsSAReqMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAReqMsgsRx indicates the number of source-active request messages received.
saRequestMsgsSent [Sa Request Msgs Sent] (tmnxMsdpNgPeerStatsSAReqMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAReqMsgsSent indicates the number of source-active request messages sent.
saResponseMsgsReceived [Sa Response Msgs Received] (tmnxMsdpNgPeerStatsSAResMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAResMsgsRx indicates the number of source-active response messages received.
saResponseMsgsSent [Sa Response Msgs Sent] (tmnxMsdpNgPeerStatsSAResMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAResMsgsSent indicates the number of source-active response messages sent.
unknownMsgsReceived [Unknown Msgs Received] (tmnxMsdpNgPeerStatsUnknMsgsRx)	long	The value of tmnxMsdpNgPeerStatsUnknMsgsRx indicates the number of unknown messages received.

Table 482 multicast statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastCacChannelServiceStats</p> <p>MIB entry name: tmnxMcacServStatsEntry</p> <p>Entry description: An entry in the tmnxMcacServStatsTable</p> <p>Table description (for tmnxMcacServStatsTable): The tmnxMcacServStatsTable has an entry for each service protocol (igmp-snooping on sap/sdp) channel that was either accepted/discarded by the applied multicast cac policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacServStatsAction)	int	The value of tmnxMcacServStatsAction indicates the action specified by the mcac policy for the service application to act upon.
algorithmReapply [Algorithm Reapply] (tmnxMcacServStatsAlgoReapply)	boolean	The value of tmnxMcacServStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the service application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacServStatsBundleAvailBW)	long	The value of tmnxMcacServStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
channelBw [Channel Bw] (tmnxMcacServStatsChannelBW)	long	The value of tmnxMcacServStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the service application.
channelRequestCount [Channel Request Count] (tmnxMcacServStatsApplyAttempts)	long	The value of tmnxMcacServStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the service application.
channelType [Channel Type] (tmnxMcacServStatsChannelType)	int	The value of tmnxMcacServStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the service application.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encapValueOrVCId [Encap Value Or VCId] (tmnxMcacServStatsEncapValue)	String	The value of tmnxMcacServStatsEncapValue indicates the SAP/SDP Encap value of which the mcac policy is applied.
interfaceAvailBw [Interface Avail Bw] (tmnxMcacServStatsIntfAvailBW)	long	The value of tmnxMcacServStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
portIdOrTunnelId [Port Id Or Tunnel Id] (tmnxMcacServStatsPortId)	String	The value of tmnxMcacServStatsPortId indicates the port Id of the SAP/SDP on which the mcac policy is applied.
reason [Reason] (tmnxMcacServStatsReason)	int	The value of tmnxMcacServStatsReason indicates the reason for the action specified by the mcac policy for the service application to act upon.
timeStamp [Time Stamp] (tmnxMcacServStatsTimeStamp)	long	The value of tmnxMcacServStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
McastCacChannelStats MIB entry name: tmnxMcacStatsEntry Entry description: An entry in the tmnxMcacStatsTable Table description (for tmnxMcacStatsTable): The tmnxMcacStatsTable has an entry for each protocol interface channel that was either accepted/discarded by the applied multicast cac policy. This table is deprecated and replaced by tmnxMcacStatsNgTable. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
action [Action] (tmnxMcacStatsAction)	int	The value of tmnxMcacStatsAction indicates the action specified by the mcac policy for the application interface to act upon.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
algorithmReapply [Algorithm Reapply] (tmnxMcacStatsAlgoReapply)	boolean	The value of tmnxMcacStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacStatsBundleAvailBW)	long	The value of tmnxMcacStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
bundleName [Bundle Name] (tmnxMcacStatsBundleName)	String	The value of tmnxMcacStatsBundleName indicates the name of the multicast CAC policy bundle. The value of tmnxMcacStatsBundleName could be an empty string, meaning that this particular statistics entry's channel did not belong to any bundle in the policy.
channelAddress [Channel Address] (tmnxMcacStatsChlAddr)	String	The value of tmnxMcacStatsChlAddr indicates the address of the multicast channel that mcac policy was applied upon when requested by the application interface. Address type is indicated by tmnxMcacStatsChlAddrType.
channelAddressType [Channel Address Type] (tmnxMcacStatsChlAddrType)	int	The value of tmnxMcacStatsChlAddrType indicates the address type of tmnxMcacStatsChlAddr.
channelBw [Channel Bw] (tmnxMcacStatsChannelBW)	long	The value of tmnxMcacStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the application interface.
channelRequestCount [Channel Request Count] (tmnxMcacStatsApplyAttempts)	long	The value of tmnxMcacStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the application.
channelType [Channel Type] (tmnxMcacStatsChannelType)	int	The value of tmnxMcacStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the application interface.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interfaceAvailBw [Interface Avail Bw] (tmnxMcacStatsIntfAvailBW)	long	The value of tmnxMcacStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
interfaceId [Interface Id] (tmnxMcacStatsIfIndex)	long	The value of tmnxMcacStatsIfIndex indicates the application interface index that has applied mcac policy.
protocolName [Protocol Name] (tmnxMcacStatsProtocolIndex)	int	The value of tmnxMcacStatsProtocolIndex indicates the application that has applied mcac policy.
reason [Reason] (tmnxMcacStatsReason)	int	The value of tmnxMcacStatsReason indicates the reason for the action specified by the mcac policy for the application interface to act upon.
timeStamp [Time Stamp] (tmnxMcacStatsTimeStamp)	long	The value of tmnxMcacStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
McastCacOper MIB entry name: tmnxMcacOperEntry Entry description: An entry in the tmnxMcacOperTable Table description (for tmnxMcacOperTable): The tmnxMcacOperTable has an entry for each protocol interface that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacOperActiveChannels)	long	The value of tmnxMcacOperActiveChannels indicates the number of active channels for this entry.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availMandBw [Avail Mand Bw] (tmnxMcacOperAvailMandBw)	long	The value of tmnxMcacOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacOperAvailOptnlBw)	long	The value of tmnxMcacOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
currConstrtlvl [Curr Constrt Lvl] (tmnxMcacOperCurrConstrtlvl)	long	The value of tmnxMcacOperCurrConstrtlvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacOperInUseMandBw)	long	The value of tmnxMcacOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacOperInUseOptnlBw)	long	The value of tmnxMcacOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this protocol interface instance.
maxBw [Max Bw] (tmnxMcacOperMaxBw)	long	The value of tmnxMcacOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
portsDown [Ports Down] (tmnxMcacOperPortsDown)	long	The value of tmnxMcacOperPortsDown indicates the the number of ports down on the application interface. This value is used to index the table tmnxMcacLagTable to get the bundle level id.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
valuesInTransit [Values In Transit] (tmnxMcacOperValuesInTransit)	boolean	The value of tmnxMcacOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacOperAvailOptnIBw tmnxMcacOperAvailMandBw tmnxMcacOperInUseMandBw tmnxMcacOperInUseOptnIBw When Multicast CAC Policy is applied on the interface for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacOperValuesInTransit will be set to 'false'. If the value of tmnxMcacOperValuesInTransit is 'true' then the values are in transition.
McastCacServOperStats MIB entry name: tmnxMcacServOperEntry Entry description: An entry in the tmnxMcacServOperTable Table description (for tmnxMcacServOperTable): The tmnxMcacServOperTable has an entry for each service application (igmp-snooping on sap/sdp) that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacServOperActiveChannels)	long	The value of tmnxMcacServOperActiveChannels indicates the number of active channels for this entry.
availMandBw [Avail Mand Bw] (tmnxMcacServOperAvailMandBw)	long	The value of tmnxMcacServOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacServOperAvailOptnIBw)	long	The value of tmnxMcacServOperAvailOptnIBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currConstrLvl [Curr Constrt Lvl] (tmnxMcacServOperCurrConstrtLvl)	long	The value of tmnxMcacServOperCurrConstrtLvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacServOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacServOperInUseMandBw)	long	The value of tmnxMcacServOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacServOperInUseOptnlBw)	long	The value of tmnxMcacServOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this service application on sap/sdp instance.
maxBw [Max Bw] (tmnxMcacServOperMaxBw)	long	The value of tmnxMcacServOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.
portsDown [Ports Down] (tmnxMcacServOperPortsDown)	long	The value of tmnxMcacServOperPortsDown indicates the the number of ports down on the service application on sap/sdp. This value is used to index the table tmnxMcacLagTable to get the bundle level id.
valuesInTransit [Values In Transit] (tmnxMcacServOperValuesInTransit)	boolean	The value of tmnxMcacServOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacServOperAvailOptnlBw tmnxMcacServOperAvailMandBw tmnxMcacServOperInUseMandBw tmnxMcacServOperInUseOptnlBw When Multicast CAC Policy is applied on the sap/sdp for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacServOperValuesInTransit will be set to 'false'. If the value of tmnxMcacServOperValuesInTransit is 'true' then the values are in transition.

Table 482 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastReportDestinationStats</p> <p>MIB entry name: tmnxMcPathRprtDestEntry</p> <p>Entry description: Each row entry represents a particular multicast reporting destination. Entries are created/deleted by the user.</p> <p>Table description (for tmnxMcPathRprtDestTable): The tmnxMcPathRprtDestTable has an entry for each multicast reporting destination configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastReportDestination</p>		
framesLost [Frames Lost] (tmnxMcPathRprtDestFrmsLost)	long	The value of tmnxMcPathRprtDestFrmsLost specifies the number of frames lost for this mcast reporting destination.
framesSent [Frames Sent] (tmnxMcPathRprtDestFrmsSent)	long	The value of tmnxMcPathRprtDestFrmsSent specifies the number of frames sent to this mcast reporting destination.
recordsLost [Records Lost] (tmnxMcPathRprtDestRecsLost)	long	The value of tmnxMcPathRprtDestRecsLost specifies the number of records lost for this mcast reporting destination.
recordsSent [Records Sent] (tmnxMcPathRprtDestRecsSent)	long	The value of tmnxMcPathRprtDestRecsSent specifies the number of records sent to this mcast reporting destination.

Table 483 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McEPPeerStats</p> <p>MIB entry name: tmnxMcEPPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcEPPeerStatsTable): The tmnxMcEPPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisEndpoint</p>		
configPacketsReceived [Config Packets Received] (tmnxMcEPPeerStatsPktsRxConfig)	long	The value of tmnxMcEPPeerStatsPktsRxConfig indicates how many valid MC-Endpoint control packets of type end-point config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcEPPeerStatsDropMD5)	long	The value of tmnxMcEPPeerStatsDropMD5 indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcEPPeerStatsPktsTxFailed)	long	The value of tmnxMcEPPeerStatsPktsTxFailed indicates how many MC-Endpoint control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlId)	long	The value of tmnxMcEPPeerStatsDropTlvInvlId indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis end-point.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlSz)	long	The value of tmnxMcEPPeerStatsDropTlvInvlSz indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet size was invalid.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcEPPeerStatsPktsRxKpalive)	long	The value of tmnxMcEPPeerStatsPktsRxKpalive indicates how many valid MC-Endpoint control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcEPPeerStatsPktsTxKpalive)	long	The value of tmnxMcEPPeerStatsPktsTxKpalive indicates how many MC-Endpoint control packets of type keepalive were transmitted from this system to the peer.
noEpPeerPacketsDropped [No Ep Peer Packets Dropped] (tmnxMcEPPeerStatsDropEpNoPeer)	long	The value of tmnxMcEPPeerStatsDropEpNoPeer indicates how many pkts were dropped because MC-Endpoint does not have a MC-peer assigned yet or MC-Endpoint is attached to a different peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcEPPeerStatsDropOutOfSeq)	long	The value of tmnxMcEPPeerStatsDropOutOfSeq indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcEPPeerStatsPktsRx)	long	The value of tmnxMcEPPeerStatsPktsRx indicates how many valid MC-Endpoint control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcEPPeerStatsPktsTx)	long	The value of tmnxMcEPPeerStatsPktsTx indicates how many MC-Endpoint control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcEPPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsRxPeerCfg indicates how many valid MC-Endpoint control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcEPPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsTxPeerCfg indicates how many MC-Endpoint control packets of type peer config were transmitted from this system to the peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcEPPeerStatsDropStateDsblid)	long	The value of tmnxMcEPPeerStatsDropStateDsblid indicates how many MC-Endpoint control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcEPPeerStatsPktsRxState)	long	The value of tmnxMcEPPeerStatsPktsRxState indicates how many valid MC-Endpoint control packets of type end-point state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcEPPeerStatsDropPktTooShrt)	long	The value of tmnxMcEPPeerStatsDropPktTooShrt indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcEPPeerStatsDropUnknownTlv)	long	The value of tmnxMcEPPeerStatsDropUnknownTlv indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>McPeerIPSecTunnelGroupStats MIB entry name: tMcPeerTnlGrpStatEntry Entry description: Each row entry represents a particular ipsec tunnel statistics group of multi-chassis peer. Table description (for tMcPeerTnlGrpStatTable): The tMcPeerTnlGrpStatTable has statistics entry for each ipsec tunnel group specific to multi-chassis peer configured on this system. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.McPeerIPSecTunnelGroup</p>		
dynamicAwaitConf [Dynamic Await Conf] (tMcPeerTnlGrpStatDynAwaitConf)	long	The value of tMcPeerTnlGrpStatDynAwaitConf indicates the number of dynamic multi-chassis tunnel awaiting configuration on this tunnel-group to be synchronized on this multi-chassis peer.
dynamicFailed [Dynamic Failed] (tMcPeerTnlGrpStatDynFailed)	long	The value of tMcPeerTnlGrpStatDynFailed indicates the number of dynamic multi-chassis tunnel failed to install on this tunnel-group to be synchronized on this multi-chassis peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynamicInstalled [Dynamic Installed] (tMcPeerTnlGrpStatDynInstalled)	long	The value of tMcPeerTnlGrpStatDynInstalled indicates the number of dynamic multi-chassis tunnel installed on this tunnel-group to be synchronized on this multi-chassis peer.
dynamicInstalling [Dynamic Installing] (tMcPeerTnlGrpStatDynInstalling)	long	The value of tMcPeerTnlGrpStatDynInstalling indicates the number of dynamic multi-chassis tunnel being installed on this tunnel-group to be synchronized on this multi-chassis peer.
staticAwaitConf [Static Await Conf] (tMcPeerTnlGrpStatAwaitConf)	long	The value of tMcPeerTnlGrpStatAwaitConf indicates the number of static multi-chassis tunnel awaiting configuration on this tunnel-group to be synchronized on this multi-chassis peer.
staticFailed [Static Failed] (tMcPeerTnlGrpStatFailed)	long	The value of tMcPeerTnlGrpStatFailed indicates the number of static multi-chassis tunnel failed to install on this tunnel-group to be synchronized on this multi-chassis peer.
staticInstalled [Static Installed] (tMcPeerTnlGrpStatInstalled)	long	The value of tMcPeerTnlGrpStatInstalled indicates the number of static multi-chassis tunnel installed on this tunnel-group to be synchronized on this multi-chassis peer.
staticInstalling [Static Installing] (tMcPeerTnlGrpStatInstalling)	long	The value of tMcPeerTnlGrpStatInstalling indicates the number of static multi-chassis tunnel being installed on this tunnel-group to be synchronized on this multi-chassis peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McWppPeerStats</p> <p>MIB entry name: tmnxMcWppPeerStatsEntry</p> <p>Entry description: Each conceptual row represents multi-chassis WPP peer statistics of a specific instance. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxMcWppPeerStatsTable): The tmnxMcWppPeerStatsTable shows multi-chassis WPP peer statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
noResources [No Resources] (tmnxMcWppPeerStatsVal)	long	The value of the object tmnxMcWppPeerStatsVal indicates the value of the statistics contained in this conceptual row.
statsInstance [Stats Instance] (tmnxMcWppPeerStatsInstance)	long	The value of the object tmnxMcWppPeerStatsInstance indicates the instance identifier of the statistics contained in this conceptual row.
<p>McsClientAppStats</p> <p>MIB entry name: tmnxMcsClientAppEntry</p> <p>Entry description: Each row entry represents a particular multi-chassis peer synchronization protocol application. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcsClientAppTable): The tmnxMcsClientAppTable has an entry for each application using the multi-chassis peer synchronization protocol configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
alarmedEntries [Alarmed Entries] (tmnxMcsClientAlarmedEntries)	long	The value of tmnxMcsClientAlarmedEntries indicates the number of alarmed entries in the MCS database per multi-chassis peer for a particular application. Entries with an alarm are entries that are not being used by the local client application due to resource constraints.
application [Application] (tmnxMcsClientApplication)	int	The value of tmnxMcsClientApplication indicates the type of application using multi-chassis synchronization.
lclDeletedEntries [Lcl Deleted Entries] (tmnxMcsClientLclDeletedEntries)	long	The value of tmnxMcsClientLclDeletedEntries indicates the number of locally deleted entries in the MCS database per multi-chassis peer for a particular application. Locally deleted entries are entries that are not being used by the local MCS client application.
numEntries [Num Entries] (tmnxMcsClientNumEntries)	long	The value of tmnxMcsClientNumEntries indicates the total number of entries in the MCS database per multi-chassis peer for a particular application.
omcrAlarmedEntries [Omcr Alarmed Entries] (tmnxMcsClientOmcrAlarmed)	long	The value of tmnxMcsClientOmcrAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries in the MCS database of this multi-chassis peer for this particular application.
omcrStandbyEntries [Omcr Standby Entries] (tmnxMcsClientOmcrStandby)	long	The value of tmnxMcsClientOmcrStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries in the MCS database of this multi-chassis peer for this particular application.
remAlarmedEntries [Rem Alarmed Entries] (tmnxMcsClientRemAlarmedEntries)	long	The value of tmnxMcsClientRemAlarmedEntries indicates the number of alarmed entries in the MCS database on the multi-chassis peer for a particular application. Entries with an alarm are entries that are not being used by the remote client application due to resource constraints.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remLclDelEntries [Rem Lcl Del Entries] (tmnxMcsClientRemLclDelEntries)	long	The value of tmnxMcsClientRemLclDelEntries indicates the number of locally deleted entries in the MCS database on the multi-chassis peer for a particular application. Locally deleted entries are entries that are not being used by the remote MCS client application.
remNumEntries [Rem Num Entries] (tmnxMcsClientRemNumEntries)	long	The value of tmnxMcsClientRemNumEntries indicates the total number of entries in the MCS database on the multi-chassis peer for a particular application.
remOmcrAlarmedEntries [Rem Omcr Alarmed Entries] (tmnxMcsClientOmcrRemAlarmed)	long	The value of tmnxMcsClientOmcrRemAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries for this particular application reported by the remote MCR system.
remOmcrStandbyEntries [Rem Omcr Standby Entries] (tmnxMcsClientOmcrRemStandby)	long	The value of tmnxMcsClientOmcrRemStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries for this particular application reported by the remote MCR system.
<p>McsStatusStats</p> <p>MIB entry name: tmnxMcPeerSyncEntry</p> <p>Entry description: Each row entry represents a particular multi-chassis peer synchronization protocol. Entries are create/deleted by the user.</p> <p>Table description (for tmnxMcPeerSyncTable): The tmnxMcPeerSyncTable has an entry for each multi-chassis peer synchronization protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
alarmedEntries [Alarmed Entries] (tmnxMcPeerSyncAlarmedEntries)	long	The value of tmnxMcPeerSyncAlarmedEntries indicates the number of alarmed entries in the MCS database per multi-chassis peer. Entries with an alarm are entries that are not being used by the local client application due to resource constraints.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lclDeletedEntries [Lcl Deleted Entries] (tmnxMcPeerSyncLclDeletedEntries)	long	The value of tmnxMcPeerSyncLclDeletedEntries indicates the number of locally deleted entries in the MCS database per multi-chassis peer. Locally deleted entries are entries that are not being used by the local MCS client application.
numEntries [Num Entries] (tmnxMcPeerSyncNumEntries)	long	The value of tmnxMcPeerSyncNumEntries indicates the total number of entries in the MCS database per multi-chassis peer.
omcrAlarmedEntries [Omcr Alarmed Entries] (tmnxMcPeerSyncOmcrAlarmed)	long	The value of tmnxMcPeerSyncOmcrAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries in the MCS database of this multi-chassis peer.
omcrStandbyEntries [Omcr Standby Entries] (tmnxMcPeerSyncOmcrStandby)	long	The value of tmnxMcPeerSyncOmcrStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries in the MCS database of this multi-chassis peer.
remAlarmedEntries [Rem Alarmed Entries] (tmnxMcPeerSyncRemAlarmedEntries)	long	The value of tmnxMcPeerSyncRemAlarmedEntries indicates the number of alarmed entries in the MCS database of the multi-chassis peer. Entries with an alarm are entries that are not being used by the remote client application due to resource constraints.
remLclDelEntries [Rem Lcl Del Entries] (tmnxMcPeerSyncRemLclDelEntries)	long	The value of tmnxMcPeerSyncRemLclDelEntries indicates the number of locally deleted entries in the MCS database of the multi-chassis peer. Locally deleted entries are entries that are not being used by the remote MCS client application.
remNumEntries [Rem Num Entries] (tmnxMcPeerSyncRemNumEntries)	long	The value of tmnxMcPeerSyncRemNumEntries indicates the total number of entries in the MCS database of the multi-chassis peer.
remOmcrAlarmedEntries [Rem Omcr Alarmed Entries] (tmnxMcPeerSyncOmcrRemAlarmed)	long	The value of tmnxMcPeerSyncOmcrRemAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries reported by the remote MCR system.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remOmcrStandbyEntries [Rem Omcr Standby Entries] (tmnxMcPeerSyncOmcrRemStandby)	long	The value of tmnxMcPeerSyncOmcrRemStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries reported by the remote MCR system.
<p>MultiChassisPeerRingStats MIB entry name: tmnxMcrPeerStatsEntry Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer. Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisRingNodeStats</p> <p>MIB entry name: tmnxMcrRingNodeStatsEntry</p> <p>Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisRingNode</p>		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rncvPacketsReceived [Rncv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rcvPacketsRoundTripTime [Rcv Packets Round Trip Time] (tmnxMcrRingNodeStatsRcvRtTime)	long	The value of tmnxMcrRingNodeStatsRcvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRcvRtTime is zero.
rcvPacketsTransmitted [Rcv Packets Transmitted] (tmnxMcrRingNodeStatsRcvTxReq)	long	The value of tmnxMcrRingNodeStatsRcvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.
<p>MultiChassisRingStats MIB entry name: tmnxMcrRingStatsEntry Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer. Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRing</p>		
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblid)	long	The value of tmnxMcLagPeerStatsDropStateDsblid indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.

Table 483 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 484 nat statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaMemberUsageStats</p> <p>MIB entry name: tmnxNatIsaMemberEntry</p> <p>Entry description: Each conceptual row contains status and basic statistics information about a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatIsaMemberTable): The tmnxNatIsaMemberTable contains status and statistics information about the members of a NAT-capable ISA Group. A member of a NAT ISA Group can be mapped to a physical NAT ISA MDA.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.IsaMda • nat.IsaMember 		
priSessions [Pri Sessions] (tmnxNatIsaMemberSessionsPrio)	long	The value of tmnxNatIsaMemberSessionsPrio indicates the current number of active prioritized sessions of the MDA associated with this member.
sessionUsage [Session Usage] (tmnxNatIsaMemberSessionUsage)	long	The value of tmnxNatIsaMemberSessionUsage indicates the session usage of the MDA associated with this member.
sessionUsageHi [Session Usage Hi] (tmnxNatIsaMemberSessionUsageHi)	int	The value of tmnxNatIsaMemberSessionUsageHi indicates if the session usage of the MDA associated with this member is high according to the values of the objects tmnxNatGrpCfgSessionWatermarkHi and tmnxNatGrpCfgSessionWatermarkLo.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AwSubscriberFirewallStats</p> <p>MIB entry name: tmnxNatL2AwSubStatEntry</p> <p>Entry description: Each conceptual row represents a Layer-2-Aware NAT subscriber. Entries in this table are created and destroyed automatically by the system.</p> <p>Table description (for tmnxNatL2AwSubStatTable): The tmnxNatL2AwSubStatTable contains status and basic statistics information about Layer-2-Aware NAT subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.L2AwSubscriber</p>		
downstreamDrop [Downstream Drop] (tmnxNatL2AwSubStatDownstreamDrop)	java. math. BigInteger	The value of tmnxNatL2AwSubStatDownstreamDrop indicates the number of packets dropped in the downstream direction. The value of this object is only relevant if the value of tmnxNatL2AwSubStatPclyPurpose is equal to 'firewall'.
icmpPortUsage [Icmp Port Usage] (tmnxNatL2AwSubStatIcmpPortUsage)	int	The value of the object tmnxNatL2AwSubStatIcmpPortUsage indicates the ICMP port usage of this NAT subscriber.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatL2AwSubStatIcmpPortUsageH)	boolean	The value of the object tmnxNatL2AwSubStatIcmpPortUsageH indicates if the ICMP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPclyPortWatermarkHigh and tmnxNatPclyPortWatermarkLow.
purpose [Purpose] (tmnxNatL2AwSubStatPclyPurpose)	String	The value of tmnxNatL2AwSubStatPclyPurpose indicates the purpose of the policy identified by the object tmnxNatL2AwSubStatNatPolicy.
residentialSubscriber [Residential Subscriber] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionUsage [Session Usage] (tmnxNatL2AwSubStatSessionUsage)	int	The value of the object tmnxNatL2AwSubStatSessionUsage indicates the session usage of this NAT subscriber.
sessions [Sessions] (tmnxNatL2AwSubStatSessions)	int	The value of tmnxNatL2AwSubStatSessions indicates the current number of active sessions of this NAT subscriber. In other words, it is the number of ports in use out of the nonreserved range.
sessionsPrio [Sessions Prio] (tmnxNatL2AwSubStatSessionsPrio)	int	The value of tmnxNatL2AwSubStatSessionsPrio indicates the current number of active prioritized sessions of this subscriber. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatL2AwSubStatTcpPortUsage)	int	The value of the object tmnxNatL2AwSubStatTcpPortUsage indicates the TCP port usage of this NAT subscriber.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatL2AwSubStatTcpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatTcpPortUsageHi indicates if the TCP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
udpPortUsage [Udp Port Usage] (tmnxNatL2AwSubStatUdpPortUsage)	int	The value of the object tmnxNatL2AwSubStatUdpPortUsage indicates the UDP port usage of this NAT subscriber.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatL2AwSubStatUdpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatUdpPortUsageHi indicates if the UDP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
unknHostDrop [Unkn Host Drop] (tmnxNatL2AwSubStatUnknHostDrop)	java.math. BigInteger	The value of tmnxNatL2AwSubStatUnknHostDrop indicates the number of packets dropped because the host could not be identified. This object is only relevant if the value of tmnxNatL2AwSubStatPlcyPurpose is equal to 'firewall'.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AwSubscriberStats</p> <p>MIB entry name: tmnxNatL2AwSubStatEntry</p> <p>Entry description: Each conceptual row represents a Layer-2-Aware NAT subscriber. Entries in this table are created and destroyed automatically by the system.</p> <p>Table description (for tmnxNatL2AwSubStatTable): The tmnxNatL2AwSubStatTable contains status and basic statistics information about Layer-2-Aware NAT subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.L2AwSubscriber</p>		
icmpPortUsage [Icmp Port Usage] (tmnxNatL2AwSubStatIcmpPortUsage)	int	The value of the object tmnxNatL2AwSubStatIcmpPortUsage indicates the ICMP port usage of this NAT subscriber.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatL2AwSubStatIcmpPortUsageH)	boolean	The value of the object tmnxNatL2AwSubStatIcmpPortUsageH indicates if the ICMP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
purpose [Purpose] (tmnxNatL2AwSubStatPlcyPurpose)	String	The value of tmnxNatL2AwSubStatPlcyPurpose indicates the purpose of the policy identified by the object tmnxNatL2AwSubStatNatPolicy.
residentialSubscriber [Residential Subscriber] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
sessionUsage [Session Usage] (tmnxNatL2AwSubStatSessionUsage)	int	The value of the object tmnxNatL2AwSubStatSessionUsage indicates the session usage of this NAT subscriber.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessions [Sessions] (tmnxNatL2AwSubStatSessions)	int	The value of tmnxNatL2AwSubStatSessions indicates the current number of active sessions of this NAT subscriber. In other words, it is the number of ports in use out of the nonreserved range.
sessionsPrio [Sessions Prio] (tmnxNatL2AwSubStatSessionsPrio)	int	The value of tmnxNatL2AwSubStatSessionsPrio indicates the current number of active prioritized sessions of this subscriber. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatL2AwSubStatTcpPortUsage)	int	The value of the object tmnxNatL2AwSubStatTcpPortUsage indicates the TCP port usage of this NAT subscriber.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatL2AwSubStatTcpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatTcpPortUsageHi indicates if the TCP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
udpPortUsage [Udp Port Usage] (tmnxNatL2AwSubStatUdpPortUsage)	int	The value of the object tmnxNatL2AwSubStatUdpPortUsage indicates the UDP port usage of this NAT subscriber.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatL2AwSubStatUdpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatUdpPortUsageHi indicates if the UDP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MapDomainStats</p> <p>MIB entry name: tmnxNatMapDomStatsEntry</p> <p>Entry description: Each conceptual row represents the configuration for a specific MAP-T domain. Rows in this table are created automatically by the system. When a row is created or destroyed in the tmnxNatMapDomTable, the system also creates or destroys the corresponding row in this table.</p> <p>Table description (for tmnxNatMapDomStatsTable): The tmnxNatMapDomStatsTable allows monitoring of MAP (Mapping of Address and Port) domains.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.MapDomain</p>		
downDropOctets [Down Drop Octets] (tmnxNatMapDomDownDropOctets)	java. math. BigInteger	The value of tmnxNatMapDomDownDropOctets indicates the number of octets the system has dropped while forwarding in the downstream direction.
downDropPackets [Down Drop Packets] (tmnxNatMapDomDownDropPackets)	java. math. BigInteger	The value of tmnxNatMapDomDownDropPackets indicates the number of packets the system has dropped while forwarding in the downstream direction.
downFwdOctets [Down Fwd Octets] (tmnxNatMapDomDownFwdOctets)	java. math. BigInteger	The value of tmnxNatMapDomDownFwdOctets indicates the number of octets the system has forwarded in the downstream direction, translating IPv4 headers to IPv6 headers.
downFwdPackets [Down Fwd Packets] (tmnxNatMapDomDownFwdPackets)	java. math. BigInteger	The value of tmnxNatMapDomDownFwdPackets indicates the number of packets the system has forwarded in the downstream direction, translating IPv4 headers to IPv6 headers.
mapDomainName [Map Domain Name] (tmnxNatMapDomName)	String	The value of tmnxNatMapDomName specifies the identifier of this MAP-T domain.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upDropOctets [Up Drop Octets] (tmnxNatMapDomUpDropOctets)	java. math. BigInteger	The value of tmnxNatMapDomUpDropOctets indicates the number of octets the system has dropped while forwarding in the upstream direction.
upDropPackets [Up Drop Packets] (tmnxNatMapDomUpDropPackets)	java. math. BigInteger	The value of tmnxNatMapDomUpDropPackets indicates the number of packets the system has dropped while forwarding in the upstream direction.
upFwdOctets [Up Fwd Octets] (tmnxNatMapDomUpFwdOctets)	java. math. BigInteger	The value of tmnxNatMapDomUpFwdOctets indicates the number of octets the system has forwarded in the upstream direction, translating IPv6 headers to IPv4 headers.
upFwdPackets [Up Fwd Packets] (tmnxNatMapDomUpFwdPackets)	java. math. BigInteger	The value of tmnxNatMapDomUpFwdPackets indicates the number of packets the system has forwarded in the upstream direction, translating IPv6 headers to IPv4 headers.
<p>MapFragStats</p> <p>MIB entry name: tmnxNatMapFragStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about fragmentation in MAP data traffic flows. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatMapFragStatsTable): The tmnxNatMapFragStatsTable contains detailed statistics information about the Mobile Gateways connected to this system but only in case of distributed subscriber management. The typical usage of this table is to fill in the part of the index that identifies a Mobile Gateway, and perform a partial walk to get all the statistics applicable to that Mobile Gateway.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
maxBuffersPercent [Max Buffers Percent] (tmnxNatMapFragStatsVal)	java. math. BigInteger	The value of the object tmnxNatMapFragStatsVal indicates the value of the statistics contained in this conceptual row.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsId [Stats Id] (tmnxNatMapFragStatsId)	long	The value of tmnxNatMapFragStatsId indicates the identifier of the NAT MAP statistics contained in this conceptual row. It is a meaningless number generated by this system. A given value of tmnxNatMapFragStatsId always corresponds with the same value of tmnxNatMapFragStatsName.
<p>NatIsaMdaStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMda</p>		
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
icmpFragmentedError [Icmp Fragmented Error] (tmnxNatIsaMdaStatsValue)	java. math. BigInte- ger	The value of the object tmnxNatIsaMdaStatsValue indicates the value of the statistics contained in this conceptual row.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
mdaStatsType [Mda Stats Type] (tmnxNatlsaMdaStatsType)	int	The value of tmnxNatlsaMdaStatsType indicates the type of NAT session statistics contained in this conceptual row.
<p>NatlsaMemberResrcStats</p> <p>MIB entry name: tmnxNatlsaMemberResrcEntry</p> <p>Entry description: Each conceptual row contains the name and statistics value of a particular resource of a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatlsaMemberResrcTable): The tmnxNatlsaMemberResrcTable contains detailed statistics information about the resources of a member of a NAT ISA Group. The typical usage of this table is to fill in the part of the index that identifies a member, and perform a partial walk to get all the resources statistics applicable to that member.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMember</p>		
flowlogPcktsSet2Applicable [Flowlog Pckts Set 2 Applicable] (tmnxNatlsaMemberResrcApplicable)	boolean	The value of the object tmnxNatlsaMemberResrcApplicable indicates if the resource statistics contained in this conceptual row are applicable. Depending on the configuration of the NAT ISA group, in particular while the value of tmnxNatlsaGrpRedundancy is equal to 'activeActive', some resources may actually be associated with the ISA MDA physically, rather than with the group member; in that case, the information can be found in the tmnxNatlsaMdaStatsTable.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowlogPcktsSet2Val [Flowlog Pckts Set 2 Val] (tmnxNatIsaMemberResrcVal)	java. math. BigInteger	The value of the object tmnxNatIsaMemberResrcVal indicates the actual value of the resource statistics contained in this conceptual row.
flowlogPcktsSet2ValMax [Flowlog Pckts Set 2 Val Max] (tmnxNatIsaMemberResrcValMax)	java. math. BigInteger	The value of the object tmnxNatIsaMemberResrcValMax indicates the maximum available value of the resource statistics contained in this conceptual row.
groupNumber [Group Number] (tmnxNatIsaGrpId)	int	The value of the object tmnxNatIsaGrpId specifies the identifier of the NAT Integrated Service Adaptor group.
resourceId [Resource Id] (tmnxNatIsaMemberResrcId)	int	The value of tmnxNatIsaMemberResrcId indicates the identifier of this conceptual row. It is a meaningless number generated by the system as identifier of this conceptual row.
<p>NatIsaMemberStats</p> <p>MIB entry name: tmnxNatIsaMemberStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatIsaMemberStatsTable): The tmnxNatIsaMemberStatsTable contains detailed statistics information about the members of a NAT-capable ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMember</p>		
icmpFragmentedError [Icmp Fragmented Error] (tmnxNatIsaMemberStatsValue)	java. math. BigInteger	The value of the object tmnxNatIsaMemberStatsValue indicates the value of the statistics contained in this conceptual row.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsType [Stats Type] (tmnxNatlsaMemberStatsType)	int	The value of tmnxNatlsaMemberStatsType indicates the type of NAT session statistics contained in this conceptual row.
<p>NatlsaResourceStats MIB entry name: tmnxCardEntry Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal. Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system. Supports realtime plotting Supports scheduled collection Monitored class: nat.IsaMda</p>		
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsId [Stats Id] (tmnxNatlsaResrcStatsId)	int	The value of tmnxNatlsaResrcStatsId indicates the identifier of this conceptual row. It is a meaningless number generated by the system as identifier of this conceptual row.
statsLimited [Stats Limited] (tmnxNatlsaResrcStatsLimited)	boolean	The value of the object tmnxNatlsaResrcStatsLimited indicates if the value of tmnxNatlsaResrcStatsValMax is actually limited to the fraction indicated for this MDA by the value of tmnxNatlsaMdaStatResrcAllocated.
statsMaxValue [Stats Max Value] (tmnxNatlsaResrcStatsValMax)	java. math. BigInteger	The value of the object tmnxNatlsaResrcStatsValMax indicates the maximum available value of the resource statistics contained in this conceptual row.
statsName [Stats Name] (tmnxNatlsaResrcStatsName)	String	The value of the object tmnxNatlsaResrcStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatlsaResrcStatsVal)	java. math. BigInteger	The value of the object tmnxNatlsaResrcStatsVal indicates the actual value of the resource statistics contained in this conceptual row.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NatPolicyStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.IsaMda • nat.NatPolicy 		
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
policyName [Policy Name] (tmnxNatPlcyName)	String	The value of tmnxNatPlcyName specifies the name of this NAT policy.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsName [Stats Name] (tmnxNatPlcyStatsName)	String	The value of the object tmnxNatPlcyStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatPlcyStatsType)	int	The value of tmnxNatPlcyStatsType indicates the type of NAT usage statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatPlcyStatsVal)	long	The value of the object tmnxNatPlcyStatsVal indicates the value of the statistics contained in this conceptual row.
<p>NatPoolL2AwStats MIB entry name: tmnxNatPIL2AwEntry Entry description: Each conceptual row represents a Layer-2-Aware NAT address pool. Entries in this table are automatically created and deleted by the system. Table description (for tmnxNatPIL2AwTable): The tmnxNatPIL2AwTable contains information about the Layer-2-Aware NAT address pools. Supports realtime plotting Supports scheduled collection Monitored class: nat.NatPool</p>		
blkUsage [Blk Usage] (tmnxNatPIL2AwBlockUsage)	long	The value of the object tmnxNatPIL2AwBlockUsage indicates the block usage of this Layer-2-Aware NAT address pool.
blkUsageHi [Blk Usage Hi] (tmnxNatPIL2AwBlockUsageHi)	boolean	The value of the object tmnxNatPIL2AwBlockUsageHi indicates if the block usage of this Layer-2-Aware NAT address pool is high according to the values of the objects tmnxNatPIWatermarkHigh and tmnxNatPIWatermarkLow.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vrtrId [Vrtr Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>NatPoolLsnStats</p> <p>MIB entry name: tmnxNatPILsnMemberEntry</p> <p>Entry description: Each conceptual row represents Large Scale NAT address pool information in a NAT ISA group member. Entries in this table are automatically created and deleted by the system.</p> <p>Table description (for tmnxNatPILsnMemberTable): The tmnxNatPILsnMemberTable contains information about the Large Scale NAT address pools per ISA group member.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.NatPool</p>		
mbrBlockUsage [Mbr Block Usage] (tmnxNatPILsnMemberBlockUsage)	long	The value of the object tmnxNatPILsnMemberBlockUsage indicates the block usage of this Large Scale NAT address pool.
mbrBlockUsageHi [Mbr Block Usage Hi] (tmnxNatPILsnMemberBlockUsageHi)	boolean	The value of the object tmnxNatPILsnMemberBlockUsageHi indicates if the block usage of this Large Scale NAT address pool is high according to the values of the objects tmnxNatPIWatermarkHigh and tmnxNatPIWatermarkLow.
mbrIsaGrpId [Mbr Isa Grp Id] (tmnxNatPILsnMemberIsaGrpId)	int	The value of the object tmnxNatPILsnMemberIsaGrpId indicates the identifier of the NAT Integrated Service Adaptor group where this member belongs to.
natIsaMbrID [Nat Isa Mbr ID] (tmnxNatIsaMemberId)	int	The value of the object tmnxNatIsaMemberId indicates the identifier of this NAT ISA Group member.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
natPIName [Nat PI Name] (tmnxNatPIName)	String	The value of tmnxNatPIName specifies the name of this NAT address pool.
vrtrId [Vrtr Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>NatReassemblyStats MIB entry name: tmnxNatReassemblyStatsEntry Entry description: Each conceptual row contains reassembly statistics information about a member of a NAT-capable ISA Group. Entries in this table are created and removed automatically by the system. Table description (for tmnxNatReassemblyStatsTable): The tmnxNatReassemblyStatsTable contains statistics information about IP datagram reassembly on NAT-capable ISA Groups. Note that the IP reassembly function can be activated while the NAT function is not. Supports realtime plotting Supports scheduled collection Monitored class: nat.IsaMember</p>		
statsName [Stats Name] (tmnxNatReassemblyStatsName)	String	The value of the object tmnxNatReassemblyStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatReassemblyStatsType)	int	The value of tmnxNatReassemblyStatsType indicates the type of IP datagram reassembly statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatReassemblyStatsVal)	java. math. BigInte- ger	The value of the object tmnxNatReassemblyStatsVal indicates the statistics value contained in this conceptual row.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PcpServerInterfaceStats</p> <p>MIB entry name: vRtrIfEntry</p> <p>Entry description: Each row entry represents a virtual router interface in the system. Entries can be created and deleted via SNMP SET operations using the vRtrIfRowStatus variable.</p> <p>Table description (for vRtrIfTable): The vRtrIfTable has an entry for each router interface configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.PcpServerInterface</p>		
pcpSrvIfIndex [Pcp Srv If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pcpSrvIfStatsName [Pcp Srv If Stats Name] (tmnxNatPcpSrvIfStatsName)	String	The value of the object tmnxNatPcpSrvIfStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
pcpSrvIfStatsType [Pcp Srv If Stats Type] (tmnxNatPcpSrvIfStatsType)	int	The value of tmnxNatPcpSrvIfStatsType indicates the type of PCP statistics contained in this conceptual row. It is merely a numerical index, the meaning of the PCP statistics in this conceptual row is indicated by the value of the object tmnxNatPcpSrvIfStatsName.
pcpSrvIfStatsVal [Pcp Srv If Stats Val] (tmnxNatPcpSrvIfStatsVal)	java.math.BigInteger	The value of the object tmnxNatPcpSrvIfStatsVal indicates the value of the statistics contained in this conceptual row.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcpSrvName [Pcp Srv Name] (tmnxNatPcpSrvName)	String	The value of tmnxNatPcpSrvName specifies the name of this PCP server.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>QueryBasedLsnSubscriberStats MIB entry name: tmnxNatQryLsnSubResEntry</p> <p>Entry description: Each conceptual row represents a Large Scale NAT subscriber. Conceptual rows in this table are created and destroyed automatically by the system. Conceptual rows in this table are volatile: they are lost upon reboot or switchover. The system creates rows in this table as a result of the creation of a row in the query table tmnxNatQryLsnSubTable, and destroys them when that row is destroyed.</p> <p>Table description (for tmnxNatQryLsnSubResTable): The tmnxNatQryLsnSubResTable contains the results of one or more queries for LSN subscribers.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.ClassicLsnHost • nat.DsLiteSubscriber • nat.Nat64Subscriber 		
icmpPortUsage [Icmp Port Usage] (tmnxNatQryLsnSubResIcmpPortUsg)	int	The value of the object tmnxNatQryLsnSubResIcmpPortUsg indicates the ICMP port usage of this NAT subscriber and policy.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatQryLsnSubResIcmpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResIcmpPortUsgHi indicates if the ICMP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lsnSubId [Lsn Sub Id] (tmnxNatQryLsnSubResId)	long	The value of tmnxNatQryLsnSubResId indicates the identifier of this Large Scale NAT subscriber.
sessionUsage [Session Usage] (tmnxNatQryLsnSubResSessionUsg)	int	The value of the object tmnxNatQryLsnSubResSessionUsg indicates the session usage of this NAT subscriber and policy.
sessionUsageHi [Session Usage Hi] (tmnxNatQryLsnSubResSessionUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResSessionUsgHi indicates if the session usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcySessionWatermarkHigh and tmnxNatPlcySessionWatermarkLow.
sessions [Sessions] (tmnxNatQryLsnSubResSessions)	int	The value of tmnxNatQryLsnSubResSessions indicates the current number of active sessions of this NAT subscriber and policy. In other words, it is the number of ports in use out of the nonreserved range.
sessionsPeak [Sessions Peak] (tmnxNatQryLsnSubResSessionsPeak)	int	The value of tmnxNatQryLsnSubResSessionsPeak indicates the maximum number of sessions that were active together up to this point in time.
sessionsPrio [Sessions Prio] (tmnxNatQryLsnSubResSessionsPrio)	int	The value of tmnxNatQryLsnSubResSessionsPrio indicates the current number of active prioritized sessions of this subscriber and policy. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatQryLsnSubResTcpPortUsg)	int	The value of the object tmnxNatQryLsnSubResTcpPortUsg indicates the TCP port usage of this NAT subscriber and policy.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatQryLsnSubResTcpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResTcpPortUsgHi indicates if the TCP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
udpPortUsage [Udp Port Usage] (tmnxNatQryLsnSubResUdpPortUsg)	int	The value of the object tmnxNatQryLsnSubResUdpPortUsg indicates the UDP port usage of this NAT subscriber and policy.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatQryLsnSubResUdpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResUdpPortUsgHi indicates if the UDP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
<p>UpnpPolicyMappingStats MIB entry name: tmnxNatUpnpPlcyStatEntry Entry description: Each conceptual row contains general status and statistics information about a UPnP IGD function in a virtual router instance. Entries in this table are created and removed automatically by the system; creation and deletion of a conceptual row in the tmnxNatUpnpPlcyTable automatically results creation and deletion of the corresponding row in this table. Table description (for tmnxNatUpnpPlcyStatTable): The tmnxNatUpnpPlcyStatTable contains general status and statistics information about the Universal Plug 'n Play (UPnP) Internet Gateway Device (IGD) operation. Supports realtime plotting Supports scheduled collection Monitored class: nat.UpnpPolicy</p>		
activeMappings [Active Mappings] (tmnxNatUpnpPlcyStatActMappings)	long	The value of the object tmnxNatUpnpPlcyStatActMappings indicates the number of active UPnP mappings associated with this server.
policyName [Policy Name] (tmnxNatUpnpPlcyName)	String	The value of tmnxNatUpnpPlcyName specifies the name of this UPnP policy.
subscribers [Subscribers] (tmnxNatUpnpPlcyStatSubscr)	long	The value of the object tmnxNatUpnpPlcyStatSubscr indicates the number of subscribers associated with this server.

Table 484 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subscribersMapped [Subscribers Mapped] (tmnxNatUpnpPlcyStatSubscrMapped)	long	The value of the object tmnxNatUpnpPlcyStatSubscrMapped indicates the number of subscribers with UPnP mappings associated with this server.
<p>UpnpPolicyStats MIB entry name: tmnxNatUpnpPlcyStatsEntry Entry description: Each conceptual row contains detailed statistics information about a UPnP IGD function in a virtual router instance. Entries in this table are created and removed automatically by the system, only for virtual router instances where a row exists in the tmnxNatUpnpPlcyTable. Table description (for tmnxNatUpnpPlcyStatsTable): The tmnxNatUpnpPlcyStatsTable contains detailed statistics information about the Universal Plug 'n Play (UPnP) Internet Gateway Device (IGD) operation. The typical usage of this table is to fill in the part of the index that identifies a virtual router instance, and perform a partial walk to get all the statistics applicable to that virtual router instance. Supports realtime plotting Supports scheduled collection Monitored class: nat.UpnpPolicy</p>		
dropRateLimited [Drop Rate Limited] (tmnxNatUpnpPlcyStatsVal)	java. math. BigInteger	The value of the object tmnxNatUpnpPlcyStatsVal indicates the value of the statistics contained in this conceptual row.
policyName [Policy Name] (tmnxNatUpnpPlcyName)	String	The value of tmnxNatUpnpPlcyName specifies the name of this UPnP policy.
statsId [Stats Id] (tmnxNatUpnpPlcyStatsId)	long	The value of tmnxNatUpnpPlcyStatsId indicates the identifier of the UPnP IGD statistics contained in this conceptual row. It is a meaningless number generated by this system.

Table 485 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
NEBgpAutoRdStats MIB entry name: svcBgpAutoRDType1Group Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
svcBgpAutoRDType1InUse [Svc Bgp Auto RDType 1 In Use] (svcBgpAutoRDType1InUse)	long	The value of svcBgpAutoRDType1InUse indicates number of community values in use for this entry.
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.

Table 485 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.

Table 485 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 486 openflow statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFChannelStats</p> <p>MIB entry name: tmnxOFChannelStatsEntry</p> <p>Entry description: The value of tmnxOFChannelStatsEntry specifies statistics information for the various packets exchanged between an open-flow switch and the controller.</p> <p>Table description (for tmnxOFChannelStatsTable): The tmnxOFChannelStatsTable contains channel statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFChannelTable</p>		
pktsErr [Pkts Err] (tmnxOFChannelPacketErr)	java. math. BigInteger	The value of tmnxOFChannelPacketErr indicates the total number of error packets exchanged by open-flow switch specified by tmnxOFSwitchName with the controller.
pktsRx [Pkts Rx] (tmnxOFChannelPacketRx)	java. math. BigInteger	The value of tmnxOFChannelPacketRx indicates the total number of packets received by an open-flow switch specified by tmnxOFSwitchName.
pktsTx [Pkts Tx] (tmnxOFChannelPacketTx)	java. math. BigInteger	The value of tmnxOFChannelPacketTx indicates the total number of packets transmitted by an open-flow switch specified by tmnxOFSwitchName.
pktsType [Pkts Type] (tmnxOFChannelPacketType)	int	The value of tmnxOFChannelPacketType specifies the packet type exchanged between an open-flow switch and the controller.

Table 486 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFPortStats</p> <p>MIB entry name: tmnxOFPortStatsEntry</p> <p>Entry description: The value of tmnxOFPortStatsEntry specifies statistics information related to port associated with an open-flow switch.</p> <p>Table description (for tmnxOFPortStatsTable): The tmnxOFPortStatsTable contains port statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFPortDescription</p>		
portId [Port Id] (tmnxOFPortID)	long	The value of tmnxOFPortID specifies the port identifier for uniquely identifying a port within an open-flow switch instance specified by tmnxOFSwitchName.
portName [Port Name] (tmnxOFPortName)	String	The value of tmnxOFPortName indicates the textual name of the interface. The value of this object should be the name of the interface as assigned by the open-flow switch.
portTxBytes [Port Tx Bytes] (tmnxOFPortTxBytes)	java. math. BigInteger	The value of tmnxOFPortTxBytes indicates the total number of bytes transmitted by this open-flow port.
portTxPkts [Port Tx Pkts] (tmnxOFPortTxPackets)	java. math. BigInteger	The value of tmnxOFPortTxPackets indicates the total number of packets transmitted by this open-flow port.

Table 486 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portType [Port Type] (tmnxOFPortType)	int	The value of tmnxOFPortType indicates the port-type for port identifier specified by tmnxOFPortID. openFlowPhysicalPort (1) - corresponds to hardware interface of an open-flow switch. openFlowLogicalPort (2) - corresponds to higher level abstractions defined by an open-flow switch (e.g. link aggregation groups, tunnels, loopback interfaces). openFlowReservedPort (3) - specifies generic forwarding actions such as sending to the controller, flooding, or forwarding using non open-flow methods, such as 'normal' switch processing.

Table 487 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkNeighborGeneralStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdbs)	long	The value of tmnxOspfShamNbrLsaNotInLsdbs indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkReceiveStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 487 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 488 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 488 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 488 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 488 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 488 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 488 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 489 pcep statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PcepPeerAdditionalStats</p> <p>MIB entry name: tmnxPcepPeerStatsEntry</p> <p>Entry description: The value of tmnxPcepPeerStatsEntry represents statistics information about a single peer which spans all PCEP sessions to that peer.</p> <p>Table description (for tmnxPcepPeerStatsTable): The tmnxPcepPeerStatsTable contains statistics information about peers known by the PCEP entity.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pcep.PcepPccPeer</p>		
numberPCRptReceived [Number PCRpt Received] (tmnxPcepPeerNumPCRptRcvd)	long	The value of tmnxPcepPeerNumPCRptRcvd indicates the number of PCRpt messages received from this peer.
numberPCRptSent [Number PCRpt Sent] (tmnxPcepPeerNumPCRptSent)	long	The value of tmnxPcepPeerNumPCRptSent indicates the number of PCRpt messages sent to this peer.
numberPCUpdReceived [Number PCUpd Received] (tmnxPcepPeerNumPCUpdRcvd)	long	The value of tmnxPcepPeerNumPCUpdRcvd indicates the number of PCUpd messages received from this peer.
numberPCUpdSent [Number PCUpd Sent] (tmnxPcepPeerNumPCUpdSent)	long	The value of tmnxPcepPeerNumPCUpdSent indicates the number of PCUpd messages sent to this peer.
numberRptReceived [Number Rpt Received] (tmnxPcepPeerNumRptRcvd)	long	The value of tmnxPcepPeerNumRptRcvd indicates the number of report messages received from this peer. This might be greater than tmnxPcepPeerNumPCRptRcvd because multiple requests can be batched into a single PCRpt message.

Table 489 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberRptSent [Number Rpt Sent] (tmnxPcepPeerNumRptSent)	long	The value of tmnxPcepPeerNumRptSent indicates the number of report messages sent to this peer. This might be greater than tmnxPcepPeerNumPCRptSent because multiple requests can be batched into a single PCRpt message.
peerAddress [Peer Address] (tmnxPcepPeerAddr)	String	The value of tmnxPcepPeerAddr specifies the Internet address of the peer.
<p>PcepPeerStats MIB entry name: pcePcepPeerEntry Entry description: Information about a single peer that spans all PCEP sessions to that peer. Table description (for pcePcepPeerTable): This table contains information about peers known by the local PCEP entity. The entries in this table are read-only. This table gives peer information that spans PCEP sessions. Information about current PCEP sessions can be found in the pcePcepSessTable table. Supports realtime plotting Supports scheduled collection Monitored class: pcep.PcepPccPeer</p>		
numberKeepAliveReceived [Number Keep Alive Received] (pcePcepPeerNumKeepaliveRcvd)	long	The number of Keepalive messages received from this peer.
numberKeepAliveSent [Number Keep Alive Sent] (pcePcepPeerNumKeepaliveSent)	long	The number of Keepalive messages sent to this peer.
numberPCErrorReceived [Number PCError Received] (pcePcepPeerNumPCErrRcvd)	long	The number of PCErr messages received from this peer.
numberPCErrorSent [Number PCError Sent] (pcePcepPeerNumPCErrSent)	long	The number of PCErr messages sent to this peer.

Table 489 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberPCNotificationSent [Number PCNotification Sent] (pcePcepPeerNumPCNtfSent)	long	The number of PCNtf messages sent to this peer.
numberPCNotificionReceived [Number PCNotificion Received] (pcePcepPeerNumPCNtfRcvd)	long	The number of PCNtf messages received from this peer.
numberPCReplyReceived [Number PCReply Received] (pcePcepPeerNumPCRepRcvd)	long	The number of PCRep messages received from this peer.
numberPCReplySent [Number PCReply Sent] (pcePcepPeerNumPCRepSent)	long	The number of PCRep messages sent to this peer.
numberPCRequestReceived [Number PCRequest Received] (pcePcepPeerNumPCReqRcvd)	long	The number of PCReq messages received from this peer.
numberPCRequestSent [Number PCRequest Sent] (pcePcepPeerNumPCReqSent)	long	The number of PCReq messages sent to this peer.
numberRequestReceived [Number Request Received] (pcePcepPeerNumReqRcvd)	long	The number of requests received from this peer. A request corresponds 1:1 with an RP object in a PCReq message. This might be greater than pcePcepPeerNumPCReqRcvd because multiple requests can be batched into a single PCReq message.
numberRequestSent [Number Request Sent] (pcePcepPeerNumReqSent)	long	The number of requests sent to this peer. A request corresponds 1:1 with an RP object in a PCReq message. This might be greater than pcePcepPeerNumPCReqSent because multiple requests can be batched into a single PCReq message.

Table 489 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberSessionSetupFail [Number Session Setup Fail] (pcePcepPeerNumSessSetupFail)	long	The number of PCEP sessions with the peer that have been attempted but failed before being fully established. This counter is incremented each time a session retry to this peer fails.
numberSessionSetupSuccess [Number Session Setup Success] (pcePcepPeerNumSessSetupOK)	long	The number of PCEP sessions successfully established with the peer, including any current session. This counter is incremented each time a session with this peer is successfully established.
peerAddress [Peer Address] (pcePcepPeerAddr)	String	The Internet address of the peer. The type is given by pcePcepPeerAddrType.

Table 490 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertisements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats</p> <p>MIB entry name: vRtrPimNgGrpSrcStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGrpSrcStatTable.</p> <p>Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 490 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmtch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmtch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpflIndex.

Table 491 ppp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppStats</p> <p>MIB entry name: tmnxPppEntry</p> <p>Entry description: Each row entry represents a port from the tmnxPortTable that is configured for PPP. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxPppTable): The tmnxPppTable has an entry for each port in the system that is configured for PPP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ppp.Interface</p>		
keepaliveEchoReplyPacketsReceived [Keepalive Echo Reply Packets Received] (tmnxPppKaInPktCount)	long	The number of echo-reply packets received.
keepaliveEchoRequestPacketsSent [Keepalive Echo Request Packets Sent] (tmnxPppKaOutPktCount)	long	The number of echo-request packets sent.
keepaliveThresholdExceedsCount [Keepalive Threshold Exceeds Count] (tmnxPppKaThresholdExceedsCount)	long	The number of times that tmnxPppKaDropCount was reached.
lqmInRate [Lqm In Rate] (tmnxPppLqmInRate)	long	The average of 'SaveInPackets'/'PeerOutPackets' in the last five consecutive LQRs received.
lqmLqrPacketsReceived [Lqm Lqr Packets Received] (tmnxPppLqmInPktCount)	long	The number of LQR packets received.
lqmLqrPacketsSent [Lqm Lqr Packets Sent] (tmnxPppLqmOutPktCount)	long	The number of LQR packets sent.

Table 491 ppp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lqmOutRate [Lqm Out Rate] (tmnxPppLqmOutRate)	long	The average of 'PeerInPackets'/'LastOutPackets' in the last five consecutive LQRs received.
lqmThresholdExceedsCount [Lqm Threshold Exceeds Count] (tmnxPppLqmThresholdExceedsCount)	long	The number of times that either tmnxPppLqmInRate or tmnxPppLqmOutRate falls below the specified quality percentage when PPP quality or LQM is enforced.

Table 492 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IEEEPTPPortStats</p> <p>MIB entry name: tmnxPtpPortStatsEntry</p> <p>Entry description: The tmnxPtpPortStatsEntry contains the directional packet statistics for a specific Ethernet port configured for direct transport of PTP over Ethernet. Rows are created and destroyed by the system, when corresponding entries in the tmnxPtpPortTable are created and deleted.</p> <p>Table description (for tmnxPtpPortStatsTable): The tmnxPtpPortStatsTable contains packet statistics for Ethernet ports configured for direct transport of PTP over Ethernet.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPort</p>		
ptpPortStatAnnounce [Ptp Port Stat Announce] (tmnxPtpPortStatAnnounce)	long	The value of tmnxPtpPortStatAnnounce indicates the number of accumulated PTP Announce packets transmitted or received on the Ethernet port.
ptpPortStatDelayRequest [Ptp Port Stat Delay Request] (tmnxPtpPortStatDelayRequest)	long	The value of tmnxPtpPortStatDelayRequest indicates the number of accumulated PTP Delay Request packets transmitted or received on the Ethernet port.
ptpPortStatDelayResponse [Ptp Port Stat Delay Response] (tmnxPtpPortStatDelayResponse)	long	The value of tmnxPtpPortStatDelayResponse indicates the number of accumulated PTP Delay Response packets transmitted or received on the Ethernet port.
ptpPortStatDirection [Ptp Port Stat Direction] (tmnxPtpPortStatDirection)	int	The value of tmnxPtpPortStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPortStatDropAltMaster [Ptp Port Stat Drop Alt Master] (tmnxPtpPortStatDropAltMaster)	long	The value of tmnxPtpPortStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatDropBadDomain [Ptp Port Stat Drop Bad Domain] (tmnxPtpPortStatDropBadDomain)	long	The value of tmnxPtpPortStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOther [Ptp Port Stat Drop Other] (tmnxPtpPortStatDropOther)	long	The value of tmnxPtpPortStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in tmnxPtpPortStatDropBadDomain, tmnxPtpPortStatDropAltMaster, and tmnxPtpPortStatDropOutOfSeq. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOutOfSeq [Ptp Port Stat Drop Out Of Seq] (tmnxPtpPortStatDropOutOfSeq)	long	The value of tmnxPtpPortStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPortStatFollowUp [Ptp Port Stat Follow Up] (tmnxPtpPortStatFollowUp)	long	The value of tmnxPtpPortStatFollowUp indicates the number of accumulated PTP Follow-Up packets transmitted or received on the Ethernet port. Because 'tmnxPtpClockStep-Type' is 'oneStep (1)', the system will never transmit PTP Follow-Up packets. However, it may receive PTP Follow-Up packets from a two-step master or boundary clock.
ptpPortStatOther [Ptp Port Stat Other] (tmnxPtpPortStatOther)	long	The value of tmnxPtpPortStatOther indicates the number of accumulated PTP packets of all other types. This object is accumulated in the 'rx' direction only.
ptpPortStatSignaling [Ptp Port Stat Signaling] (tmnxPtpPortStatSignaling)	long	The value of tmnxPtpPortStatSignaling indicates the number of accumulated PTP Signaling packets received on the Ethernet port. This object is accumulated in the 'rx' direction only.
ptpPortStatSync [Ptp Port Stat Sync] (tmnxPtpPortStatSync)	long	The value of tmnxPtpPortStatSync indicates the number of accumulated PTP Sync packets transmitted or received on the Ethernet port.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatTimeStampCpm [Ptp Port Stat Time Stamp Cpm] (tmnxPtpPortStatTimeStampCpm)	long	The value of tmnxPtpPortStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp is taken at the operating system kernel on the CPM card.
ptpPortStatTimeStampPort [Ptp Port Stat Time Stamp Port] (tmnxPtpPortStatTimeStampPort)	long	The value of tmnxPtpPortStatTimeStampPort indicates the accumulated packet statistics for PTP event packets on the Ethernet port where the timestamp is taken at the physical layer on the Ethernet port.
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsTimeStampCpm [Ptp Clk Pkt Stats Time Stamp Cpm] (tmnxPtpClkPktStatsTimeStampCpm)	long	The value of tmnxPtpClkPktStatsTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpClkPktStatsTimeStampPort [Ptp Clk Pkt Stats Time Stamp Port] (tmnxPtpClkPktStatsTimeStampPort)	long	The value of tmnxPtpClkPktStatsTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicates the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicates the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicates the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicates the number of seconds that the clock recovery system has been in the phase tracking state.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 492 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 493 radiusaccounting statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAcctPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber RADIUS accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyStatsTable): The tmnxSubAcctPlcyStatsTable has an entry for each subscriber RADIUS accounting policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.Policy</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRxResponses)	long	The value of tmnxSubAcctPlcyRxResponses indicates the number of accounting responses received for this policy.
requestRetries [Request Retries] (tmnxSubAcctPlcySendRetries)	long	The value of tmnxSubAcctPlcySendRetries indicates the number of retries to a different server for a single accounting request for this policy.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyReqTimeouts)	long	The value of tmnxSubAcctPlcyReqTimeouts indicates the number of accounting requests which have timed out for this policy.
requestsFail [Requests Fail] (tmnxSubAcctPlcySendFail)	long	The value of tmnxSubAcctPlcySendFail indicates how many accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyTxRequests)	long	The value of tmnxSubAcctPlcyTxRequests indicates the number of accounting requests transmitted for this policy.

Table 493 radiusaccounting statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAcctPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific RADIUS server in a subscriber accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyRadStatsTable): The tmnxSubAcctPlcyRadStatsTable has an entry for each RADIUS accounting server configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.RadiusEntry</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRadRxResponses)	long	The value of tmnxSubAcctPlcyRadRxResponses indicates the number of accounting responses received for this server.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyRadReqTimeouts)	long	The value of tmnxSubAcctPlcyRadReqTimeouts indicates the number of accounting requests which have timed out for this server.
requestsFail [Requests Fail] (tmnxSubAcctPlcyRadReqSendFail)	long	The value of tmnxSubAcctPlcyRadReqSendFail indicates the number of accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyRadTxRequests)	long	The value of tmnxSubAcctPlcyRadTxRequests indicates the number of accounting requests transmitted for this server.

Table 494 ressubscr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSubCustRecAppGrpUsageMonStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxSubCustRecAppStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSubCustRecAppUsageMonStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecChargingGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriberType [Aa Subscriber Type] (tmnxBsxAaSubscriberType)	int	The value of tmnxBsxAaSubscriberType specifies the format of the Application Assurance Subscriber identifier.
chargingGroupName [Charging Group Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.
<p>BsxSubCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSubStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSubStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
HostTrackStats MIB entry name: sapBaselInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaselInfoTable): A table that contains basic SAP information. Supports realtime plotting Does not support scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
sapInnerEncapValue [Sap Inner Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
sapPortId [Sap Port Id] (sapPortId)	String	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
statsType [Stats Type] (tmnxSubHostTrkStatsType)	int	The value of tmnxSubHostTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostTrkStatsVal.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsValue [Stats Value] (tmnxSubHostTrkStatsVal)	long	The value of tmnxSubHostTrkStatsVal indicates the value of the host tracking statistics of the type indicated by tmnxSubHostTrkStatsType, for this subscriber host.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.
<p>HostTrackStatsOnSap</p> <p>MIB entry name: tmnxSubHostSapTrkStatsEntry</p> <p>Entry description: Each row entry represents host tracking status and statistics information about a particular host. Rows are created or removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxSubHostSapTrkStatsTable): The tmnxSubHostSapTrkStatsTable shows statistics information about the video viewership of hosts, ordered by SAP.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsType [Stats Type] (tmnxSubHostSapTrkStatsType)	int	The value of tmnxSubHostSapTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostSapTrkStatsVal.
statsValue [Stats Value] (tmnxSubHostSapTrkStatsVal)	long	The value of tmnxSubHostSapTrkStatsVal indicates the value of the host tracking statistics of the type indicated by tmnxSubHostSapTrkStatsType, for this host.
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostSapTrkHostAddr)	String	The value of tmnxSubHostSapTrkHostAddr indicates the address of the host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostSapTrkHostAddrType)	int	The value of tmnxSubHostSapTrkHostAddrType indicates the address type of tmnxSubHostSapTrkHostAddr.
<p>PppSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppSvcTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP in a specific service. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppSvcTypeTable): The tmnxSubPppSvcTypeTable has information for each each type of subscriber PPP Session, ordered per service.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.Site • vprn.Site 		
pPPType [PPPType] (tmnxSubPppSvcTypeIndex)	int	The value of the object tmnxSubPppSvcTypeIndex indicates the type of subscriber PPP.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pPPoL2tp [PPPo L2 tp] (tmnxSubPppSvcTypeSessions)	long	The value of the object tmnxSubPppSvcTypeSessions indicates the actual number of PPP session of this type.
<p>SLAEgrQoS SchedStats</p> <p>MIB entry name: tmnxSPIEgrQoS SchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS scheduler.</p> <p>Table description (for tmnxSPIEgrQoS SchedStatsTable): The tmnxSPIEgrQoS SchedStatsTable contains egress QoS scheduler statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQoS SchedStatsFwdOctets [Egr Qos Sched Stats Fwd Octets] (tmnxSPIEgrQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSPIEgrQoS SchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the SLA profile instance egress scheduler policy.
egrQoS SchedStatsFwdPkts [Egr Qos Sched Stats Fwd Pkts] (tmnxSPIEgrQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSPIEgrQoS SchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the SLA profile instance egress scheduler policy.
egrQoS SchedStatsName [Egr Qos Sched Stats Name] (tmnxSPIEgrQoS SchedStatsName)	String	The value of tmnxSPIEgrQoS SchedStatsName specifies the egress QoS scheduler of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
subIdent [Sub Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
<p>SLAProfInstEgrPStats</p> <p>MIB entry name: tmnxSLAProfInstEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstEgrPStatsTable): The tmnxSLAProfInstEgrPStatsTable contains egress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrPolicerId [Egr Policer Id] (tmnxSPIEgrPStatsPolId)	long	The value of tmnxSPIEgrPStatsPolId specifies the index of the egress QoS policer of this SLA profile instance.
spiEgrPStatsDrpExdProfOcts [Spi Egr PStats Drp Exd Prof Octs] (tmnxSPIEgrPStatsDrpExdProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpExdProfOcts indicates the number of out-of-profile octets (rate above PIR) dropped by the egress Pchip.
spiEgrPStatsDrpExdProfPkts [Spi Egr PStats Drp Exd Prof Pkts] (tmnxSPIEgrPStatsDrpExdProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpExdProfPkts indicates the number of exceed-profile packets (rate above PIR) dropped by the egress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpInPProfOcts [Spi Egr PStats Drp In PProf Octs] (tmnxSPIEgrPStatsDrpInPProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
spiEgrPStatsDrpInPProfPkts [Spi Egr PStats Drp In PProf Pkts] (tmnxSPIEgrPStatsDrpInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInPProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.
spiEgrPStatsDrpInProfOctsH [Spi Egr PStats Drp In Prof Octs H] (tmnxSPIEgrPStatsDrpInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpInProfOcts.
spiEgrPStatsDrpInProfOctsL [Spi Egr PStats Drp In Prof Octs L] (tmnxSPIEgrPStatsDrpInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpInProfOcts.
spiEgrPStatsDrpInProfPktsH [Spi Egr PStats Drp In Prof Pkts H] (tmnxSPIEgrPStatsDrpInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpInProfPkts.
spiEgrPStatsDrpInProfPktsL [Spi Egr PStats Drp In Prof Pkts L] (tmnxSPIEgrPStatsDrpInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpInProfPkts.
spiEgrPStatsDrpOutProfOctsH [Spi Egr PStats Drp Out Prof Octs H] (tmnxSPIEgrPStatsDrpOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpOutProfOcts.
spiEgrPStatsDrpOutProfOctsL [Spi Egr PStats Drp Out Prof Octs L] (tmnxSPIEgrPStatsDrpOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpOutProfOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpOutProfPktsH [Spi Egr PStats Drp Out Prof Pkts H] (tmnxSPIEgrPStatsDrpOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpOutProfPkts.
spiEgrPStatsDrpOutProfPktsL [Spi Egr PStats Drp Out Prof Pkts L] (tmnxSPIEgrPStatsDrpOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpOutProfPkts.
spiEgrPStatsFwdExdProfOcts [Spi Egr PStats Fwd Exd Prof Octs] (tmnxSPIEgrPStatsFwdExdProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdExdProfOcts indicates the number of out-of-profile octets (rate above PIR) forwarded by the egress Pchip.
spiEgrPStatsFwdExdProfPkts [Spi Egr PStats Fwd Exd Prof Pkts] (tmnxSPIEgrPStatsFwdExdProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdExdProfPkts indicates the number of exceed-profile packets (rate above PIR) forwarded by the egress Pchip.
spiEgrPStatsFwdInPProfOcts [Spi Egr PStats Fwd In PProf Octs] (tmnxSPIEgrPStatsFwdInPProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
spiEgrPStatsFwdInPProfPkts [Spi Egr PStats Fwd In PProf Pkts] (tmnxSPIEgrPStatsFwdInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInPProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.
spiEgrPStatsFwdInProfOctsH [Spi Egr PStats Fwd In Prof Octs H] (tmnxSPIEgrPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdInProfOcts.
spiEgrPStatsFwdInProfOctsL [Spi Egr PStats Fwd In Prof Octs L] (tmnxSPIEgrPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdInProfOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsFwdInProfPktsH [Spi Egr PStats Fwd In Prof Pkts H] (tmnxSPIEgrPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdInProfPkts.
spiEgrPStatsFwdInProfPktsL [Spi Egr PStats Fwd In Prof Pkts L] (tmnxSPIEgrPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdInProfPkts.
spiEgrPStatsFwdOutProfOctsH [Spi Egr PStats Fwd Out Prof Octs H] (tmnxSPIEgrPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdOutProfOcts.
spiEgrPStatsFwdOutProfOctsL [Spi Egr PStats Fwd Out Prof Octs L] (tmnxSPIEgrPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdOutProfOcts.
spiEgrPStatsFwdOutProfPktsH [Spi Egr PStats Fwd Out Prof Pkts H] (tmnxSPIEgrPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdOutProfPkts.
spiEgrPStatsFwdOutProfPktsL [Spi Egr PStats Fwd Out Prof Pkts L] (tmnxSPIEgrPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdOutProfPkts.
spiEgrPStatsMode [Spi Egr PStats Mode] (tmnxSPIEgrPStatsMode)	int	The value of tmnxSPIEgrPStatsMode indicates the stat mode used by the policer.
spiEgrPStatsOffExdProfOcts [Spi Egr PStats Off Exd Prof Octs] (tmnxSPIEgrPStatsOffExdProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffExdProfPkts [Spi Egr PStats Off Exd Prof Pkts] (tmnxSPIEgrPStatsOffExdProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.
spiEgrPStatsOffInPProfOcts [Spi Egr PStats Off In PProf Octs] (tmnxSPIEgrPStatsOffInPProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInPProfOcts indicates the number of inplus-profile octets offered by the egress Pchip.
spiEgrPStatsOffInPProfPkts [Spi Egr PStats Off In PProf Pkts] (tmnxSPIEgrPStatsOffInPProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInPProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
spiEgrPStatsOffInProfOctsH [Spi Egr PStats Off In Prof Octs H] (tmnxSPIEgrPStatsOffInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffInProfOcts.
spiEgrPStatsOffInProfOctsL [Spi Egr PStats Off In Prof Octs L] (tmnxSPIEgrPStatsOffInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffInProfOcts.
spiEgrPStatsOffInProfPktsH [Spi Egr PStats Off In Prof Pkts H] (tmnxSPIEgrPStatsOffInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffInProfPktsL [Spi Egr PStats Off In Prof Pkts L] (tmnxSPIEgrPStatsOffInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffOutProfOctsH [Spi Egr PStats Off Out Prof Octs H] (tmnxSPIEgrPStatsOffOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffOutProfOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffOutProfOctsL [Spi Egr PStats Off Out Prof Octs L] (tmnxSPIEgrPStatsOffOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffOutProfOcts.
spiEgrPStatsOffOutProfPktsH [Spi Egr PStats Off Out Prof Pkts H] (tmnxSPIEgrPStatsOffOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.
spiEgrPStatsOffOutProfPktsL [Spi Egr PStats Off Out Prof Pkts L] (tmnxSPIEgrPStatsOffOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.
spiEgrPStatsOffUncolOcts [Spi Egr PStats Off Uncol Octs] (tmnxSPIEgrPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffUncolOcts indicates the number of uncolored octets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffUncolOctsH [Spi Egr PStats Off Uncol Octs H] (tmnxSPIEgrPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffUncolOcts.
spiEgrPStatsOffUncolOctsL [Spi Egr PStats Off Uncol Octs L] (tmnxSPIEgrPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffUncolOcts.
spiEgrPStatsOffUncolPkts [Spi Egr PStats Off Uncol Pkts] (tmnxSPIEgrPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffUncolPkts indicates the number of uncolored packets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffUncolPktsH [Spi Egr PStats Off Uncol Pkts H] (tmnxSPIEgrPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffUncolPkts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffUncolPktsL [Spi Egr PStats Off Uncol Pkts L] (tmnxSPIEgrPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffUncolPkts.
<p>SLAProfInstEgrPV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstEgrPStatsTable): The tmnxSLAProfInstEgrPStatsTable contains egress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrPolicerId [Egr Policer Id] (tmnxSPIEgrPStatsPolId)	long	The value of tmnxSPIEgrPStatsPolId specifies the index of the egress QoS policer of this SLA profile instance.
spiEgrPStatsDrpV4Octs [Spi Egr PStats Drp V4 Octs] (tmnxSPIEgrPStatsDrpInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInProfOcts indicates the number of in-profile octets (rate below CIR) dropped by the egress Pchip.
spiEgrPStatsDrpV4Pkts [Spi Egr PStats Drp V4 Pkts] (tmnxSPIEgrPStatsDrpInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInProfPkts indicates the number of in-profile packets (rate below CIR) dropped by the egress Pchip.
spiEgrPStatsDrpV6Octs [Spi Egr PStats Drp V6 Octs] (tmnxSPIEgrPStatsDrpOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpOutProfOcts indicates the number of out-of-profile octets (rate above CIR) dropped by the egress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpV6Pkts [Spi Egr PStats Drp V6 Pkts] (tmnxSPIEgrPStatsDrpOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpOutProfPkts indicates the number of out-of-profile packets (rate above CIR) dropped by the egress Pchip.
spiEgrPStatsFwdV4Octs [Spi Egr PStats Fwd V4 Octs] (tmnxSPIEgrPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV4Pkts [Spi Egr PStats Fwd V4 Pkts] (tmnxSPIEgrPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV6Octs [Spi Egr PStats Fwd V6 Octs] (tmnxSPIEgrPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV6Pkts [Spi Egr PStats Fwd V6 Pkts] (tmnxSPIEgrPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
spiEgrPStatsMode [Spi Egr PStats Mode] (tmnxSPIEgrPStatsMode)	int	The value of tmnxSPIEgrPStatsMode indicates the stat mode used by the policer.
spiEgrPStatsOffV4Octs [Spi Egr PStats Off V4 Octs] (tmnxSPIEgrPStatsOffInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsOffV4Pkts [Spi Egr PStats Off V4 Pkts] (tmnxSPIEgrPStatsOffInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInProfPkts indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffV6Octs [Spi Egr PStats Off V6 Octs] (tmnxSPIEgrPStatsOffOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffOutProfOcts indicates the number of out-of-profile octets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffV6Pkts [Spi Egr PStats Off V6 Pkts] (tmnxSPIEgrPStatsOffOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffOutProfPkts indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
<p>SLAProfInstEgrQStats</p> <p>MIB entry name: tmnxSLAProfInstEgrQStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue.</p> <p>Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstEgrQV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstEgrQStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue.</p> <p>Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQStatsDropV4Octets [Egr QStats Drop V4 Octets] (tmnxSPIEgrQStatsDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfOctets indicates the number of in-profile octets discarded by the egress Qchip.
egrQStatsDropV4Packets [Egr QStats Drop V4 Packets] (tmnxSPIEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfPkts indicates the number of in-profile packets discarded by the egress Qchip.
egrQStatsDropV6Octets [Egr QStats Drop V6 Octets] (tmnxSPIEgrQStatsDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfOctets indicates the number of out-of-profile octets discarded by the egress Qchip.
egrQStatsDropV6Packets [Egr QStats Drop V6 Packets] (tmnxSPIEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip.
egrQStatsFwdV4Octets [Egr QStats Fwd V4 Octets] (tmnxSPIEgrQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQStatsFwdV4Packets [Egr QStats Fwd V4 Packets] (tmnxSPIEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQStatsFwdV6Octets [Egr QStats Fwd V6 Octets] (tmnxSPIEgrQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQStatsFwdV6Packets [Egr QStats Fwd V6 Packets] (tmnxSPIEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstIngPStats</p> <p>MIB entry name: tmnxSLAProfInstIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstIngPStatsTable): The tmnxSLAProfInstIngPStatsTable contains ingress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
ingPolicerId [Ing Policer Id] (tmnxSPIngpStatsPolId)	long	The value of tmnxSPIngpStatsPolId specifies the index of the ingress QoS policer of this SLA profile instance.
spiIngPStatsDrpHiPrioOctsH [Spi Ing PStats Drp Hi Prio Octs H] (tmnxSPIngpStatsDrpHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPIngpStatsDrpHiPrioOcts.
spiIngPStatsDrpHiPrioOctsL [Spi Ing PStats Drp Hi Prio Octs L] (tmnxSPIngpStatsDrpHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPIngpStatsDrpHiPrioOcts.
spiIngPStatsDrpHiPrioPktsH [Spi Ing PStats Drp Hi Prio Pkts H] (tmnxSPIngpStatsDrpHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPIngpStatsDrpHiPrioPkts.
spiIngPStatsDrpHiPrioPktsL [Spi Ing PStats Drp Hi Prio Pkts L] (tmnxSPIngpStatsDrpHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPIngpStatsDrpHiPrioPkts.
spiIngPStatsDrpLoPrioOctsH [Spi Ing PStats Drp Lo Prio Octs H] (tmnxSPIngpStatsDrpLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPIngpStatsDrpLoPrioOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsDrpLoPrioOctsL [Spi Ing PStats Drp Lo Prio Octs L] (tmnxSPllngPStatsDrpLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsDrpLoPrioOcts.
spilngPStatsDrpLoPrioPktsH [Spi Ing PStats Drp Lo Prio Pkts H] (tmnxSPllngPStatsDrpLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsDrpLoPrioPkts.
spilngPStatsDrpLoPrioPktsL [Spi Ing PStats Drp Lo Prio Pkts L] (tmnxSPllngPStatsDrpLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsDrpLoPrioPkts.
spilngPStatsFwdInProfOctsH [Spi Ing PStats Fwd In Prof Octs H] (tmnxSPllngPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdInProfOcts.
spilngPStatsFwdInProfOctsL [Spi Ing PStats Fwd In Prof Octs L] (tmnxSPllngPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdInProfOcts.
spilngPStatsFwdInProfPktsH [Spi Ing PStats Fwd In Prof Pkts H] (tmnxSPllngPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdInProfPkts.
spilngPStatsFwdInProfPktsL [Spi Ing PStats Fwd In Prof Pkts L] (tmnxSPllngPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdInProfPkts.
spilngPStatsFwdOutProfOctsH [Spi Ing PStats Fwd Out Prof Octs H] (tmnxSPllngPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdOutProfOcts.
spilngPStatsFwdOutProfOctsL [Spi Ing PStats Fwd Out Prof Octs L] (tmnxSPllngPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdOutProfOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsFwdOutProfPktsH [Spi Ing PStats Fwd Out Prof Pkts H] (tmnxSPllngPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdOutProfPkts.
spilngPStatsFwdOutProfPktsL [Spi Ing PStats Fwd Out Prof Pkts L] (tmnxSPllngPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdOutProfPkts.
spilngPStatsMode [Spi Ing PStats Mode] (tmnxSPllngPStatsMode)	int	The value of tmnxSPllngPStatsMode indicates the stat mode used by the policer.
spilngPStatsOffHiPrioOctsH [Spi Ing PStats Off Hi Prio Octs H] (tmnxSPllngPStatsOffHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffHiPrioOcts.
spilngPStatsOffHiPrioOctsL [Spi Ing PStats Off Hi Prio Octs L] (tmnxSPllngPStatsOffHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffHiPrioOcts.
spilngPStatsOffHiPrioPktsH [Spi Ing PStats Off Hi Prio Pkts H] (tmnxSPllngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffHiPrioPkts.
spilngPStatsOffHiPrioPktsL [Spi Ing PStats Off Hi Prio Pkts L] (tmnxSPllngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffHiPrioPkts.
spilngPStatsOffLoPrioOctsH [Spi Ing PStats Off Lo Prio Octs H] (tmnxSPllngPStatsOffLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffLoPrioOcts.
spilngPStatsOffLoPrioOctsL [Spi Ing PStats Off Lo Prio Octs L] (tmnxSPllngPStatsOffLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffLoPrioOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsOffLoPrioPktsH [Spi Ing PStats Off Lo Prio Pkts H] (tmnxSPllngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffLoPrioPkts.
spilngPStatsOffLoPrioPktsL [Spi Ing PStats Off Lo Prio Pkts L] (tmnxSPllngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffLoPrioPkts.
spilngPStatsOffUncolOcts [Spi Ing PStats Off Uncol Octs] (tmnxSPllngPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffUncolOcts indicates the number of uncolored octets offered to the ingress Pchip.
spilngPStatsOffUncolOctsH [Spi Ing PStats Off Uncol Octs H] (tmnxSPllngPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffUncolOcts.
spilngPStatsOffUncolOctsL [Spi Ing PStats Off Uncol Octs L] (tmnxSPllngPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffUncolOcts.
spilngPStatsOffUncolPkts [Spi Ing PStats Off Uncol Pkts] (tmnxSPllngPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Pchip.
spilngPStatsOffUncolPktsH [Spi Ing PStats Off Uncol Pkts H] (tmnxSPllngPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffUncolPkts.
spilngPStatsOffUncolPktsL [Spi Ing PStats Off Uncol Pkts L] (tmnxSPllngPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffUncolPkts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstIngPV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstIngPStatsTable): The tmnxSLAProfInstIngPStatsTable contains ingress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
ingPolicerId [Ing Policer Id] (tmnxSPIngpStatsPolId)	long	The value of tmnxSPIngpStatsPolId specifies the index of the ingress QoS policer of this SLA profile instance.
spiIngPStatsDrpV4Octs [Spi Ing PStats Drp V4 Octs] (tmnxSPIngpStatsDrpHiPrioOcts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
spiIngPStatsDrpV4Pkts [Spi Ing PStats Drp V4 Pkts] (tmnxSPIngpStatsDrpHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
spiIngPStatsDrpV6Octs [Spi Ing PStats Drp V6 Octs] (tmnxSPIngpStatsDrpLoPrioOcts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
spiIngPStatsDrpV6Pkts [Spi Ing PStats Drp V6 Pkts] (tmnxSPIngpStatsDrpLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngpStatsDrpLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsFwdV4Octs [Spi Ing PStats Fwd V4 Octs] (tmnxSPllngPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV4Pkts [Spi Ing PStats Fwd V4 Pkts] (tmnxSPllngPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV6Octs [Spi Ing PStats Fwd V6 Octs] (tmnxSPllngPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV6Pkts [Spi Ing PStats Fwd V6 Pkts] (tmnxSPllngPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
spilngPStatsMode [Spi Ing PStats Mode] (tmnxSPllngPStatsMode)	int	The value of tmnxSPllngPStatsMode indicates the stat mode used by the policer.
spilngPStatsOffV4Octs [Spi Ing PStats Off V4 Octs] (tmnxSPllngPStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
spilngPStatsOffV4Pkts [Spi Ing PStats Off V4 Pkts] (tmnxSPllngPStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
spilngPStatsOffV6Octs [Spi Ing PStats Off V6 Octs] (tmnxSPllngPStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiIngPStatsOffV6Pkts [Spi Ing PStats Off V6 Pkts] (tmnxSPiIngPStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPiIngPStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
<p>SLAProfInstIngQStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPiIngQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPiIngQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPiIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPiIngQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPiIngQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPiIngQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPiIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPiIngQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsOffUncoloredOctets [Ing QStats Off Uncolored Octets] (tmnxSPIngQStatsOffUncolOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffUncolOctets indicates the number of uncolored octets offered to the ingress Qchip.
ingQStatsOffUncoloredPackets [Ing QStats Off Uncolored Packets] (tmnxSPIngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPIngQStatsQueueId)	long	The value of tmnxSPIngQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
SLAProfInstIngQV4V6Stats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsDropV4Octets [Ing QStats Drop V4 Octets] (tmnxSPInQStatsDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsDropHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV4Packets [Ing QStats Drop V4 Packets] (tmnxSPInQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsDropHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV6Octets [Ing QStats Drop V6 Octets] (tmnxSPInQStatsDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsDropLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV6Packets [Ing QStats Drop V6 Packets] (tmnxSPInQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsDropLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsFwdV4Octets [Ing QStats Fwd V4 Octets] (tmnxSPInQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPInQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdV4Packets [Ing QStats Fwd V4 Packets] (tmnxSPInQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPInQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdV6Octets [Ing QStats Fwd V6 Octets] (tmnxSPInQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPInQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQStatsFwdV6Packets [Ing QStats Fwd V6 Packets] (tmnxSPInQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPInQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPIngQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPIngQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPIngQStatsQueueId)	long	The value of tmnxSPIngQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstStats</p> <p>MIB entry name: tmnxSLAProfInstStatsEntry</p> <p>Entry description: Each row entry contains basic statistics about a particular SLA profile instance.</p> <p>Table description (for tmnxSLAProfInstStatsTable): The tmnxSLAProfInstStatsTable contains basic statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQchipDropInProfileOctets [Egr Qchip Drop In Profile Octets] (tmnxSPIStatsEgrQchipDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfOctets indicates the number of in-profile octets dropped by the egress Qchip.
egrQchipDropInProfilePackets [Egr Qchip Drop In Profile Packets] (tmnxSPIStatsEgrQchipDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfPkts indicates the number of in-profile packets dropped by the egress Qchip.
egrQchipDropOutProfileOctets [Egr Qchip Drop Out Profile Octets] (tmnxSPIStatsEgrQchipDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfOctets indicates the number of out-of-profile octets dropped by the egress Qchip.
egrQchipDropOutProfilePackets [Egr Qchip Drop Out Profile Packets] (tmnxSPIStatsEgrQchipDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfPkts indicates the number of out-of-profile packets dropped by the egress Qchip.
egrQchipDropV4Octets [Egr Qchip Drop V4 Octets] (tmnxSPIStatsEgrQchipDropV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV4Octets indicates the number of V4 octets dropped by the egress Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipDropV4Packets [Egr Qchip Drop V4 Packets] (tmnxSPIStatsEgrQchipDropV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV4Pkts indicates the number of V4 packets dropped by the egress Qchip.
egrQchipDropV6Octets [Egr Qchip Drop V6 Octets] (tmnxSPIStatsEgrQchipDropV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV6Octets indicates the number of V6 octets dropped by the egress Qchip.
egrQchipDropV6Packets [Egr Qchip Drop V6 Packets] (tmnxSPIStatsEgrQchipDropV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV6Pkts indicates the number of V6 packets dropped by the egress Qchip.
egrQchipFwdInProfileOctets [Egr Qchip Fwd In Profile Octets] (tmnxSPIStatsEgrQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdInProfilePackets [Egr Qchip Fwd In Profile Packets] (tmnxSPIStatsEgrQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfileOctets [Egr Qchip Fwd Out Profile Octets] (tmnxSPIStatsEgrQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfilePackets [Egr Qchip Fwd Out Profile Packets] (tmnxSPIStatsEgrQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdV4Octets [Egr Qchip Fwd V4 Octets] (tmnxSPIStatsEgrQchipFwdV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV4Octets indicates the number of V4 octets forwarded by the egress Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipFwdV4Packets [Egr Qchip Fwd V4 Packets] (tmnxSPIStatsEgrQchipFwdV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV4Pkts indicates the number of V4 packets forwarded by the egress Qchip.
egrQchipFwdV6Octets [Egr Qchip Fwd V6 Octets] (tmnxSPIStatsEgrQchipFwdV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV6Octets indicates the number of V6 octets forwarded by the egress Qchip.
egrQchipFwdV6Packets [Egr Qchip Fwd V6 Packets] (tmnxSPIStatsEgrQchipFwdV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV6Pkts indicates the number of V6 packets forwarded by the egress Qchip.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingPchipOffHiPriorityOctets [Ing Pchip Off Hi Priority Octets] (tmnxSPIStatsIngPchipOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffHiPriorityPackets [Ing Pchip Off Hi Priority Packets] (tmnxSPIStatsIngPchipOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityOctets [Ing Pchip Off Lo Priority Octets] (tmnxSPIStatsIngPchipOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityPackets [Ing Pchip Off Lo Priority Packets] (tmnxSPIStatsIngPchipOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPchipOffUncoloredOctets [Ing Pchip Off Uncolored Octets] (tmnxSPIStatsIngPchipOffUncolOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolOctets indicates the number of uncolored octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffUncoloredPackets [Ing Pchip Off Uncolored Packets] (tmnxSPIStatsIngPchipOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolPkts indicates the number of uncolored packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffV4Octets [Ing Pchip Off V4 Octets] (tmnxSPIStatsIngPchipOffV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV4Octets indicates the number of V4 octets offered by the Pchip to the Qchip.
ingPchipOffV4Packets [Ing Pchip Off V4 Packets] (tmnxSPIStatsIngPchipOffV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV4Pkts indicates the number of V4 packets offered by the Pchip to the Qchip.
ingPchipOffV6Octets [Ing Pchip Off V6 Octets] (tmnxSPIStatsIngPchipOffV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV6Octets indicates the number of V6 octets offered by the Pchip to the Qchip.
ingPchipOffV6Packets [Ing Pchip Off V6 Packets] (tmnxSPIStatsIngPchipOffV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV6Pkts indicates the number of V6 packets offered by the Pchip to the Qchip.
ingQchipDropHiPriorityOctets [Ing Qchip Drop Hi Priority Octets] (tmnxSPIStatsIngQchipDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropHiPriorityPackets [Ing Qchip Drop Hi Priority Packets] (tmnxSPIStatsIngQchipDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipDropLoPriorityOctets [Ing Qchip Drop Lo Priority Octets] (tmnxSPIStatsIngQchipDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropLoPriorityPackets [Ing Qchip Drop Lo Priority Packets] (tmnxSPIStatsIngQchipDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropV4Octets [Ing Qchip Drop V4 Octets] (tmnxSPIStatsIngQchipDropV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV4Octets indicates the number of V4 octets dropped by the ingress Qchip.
ingQchipDropV4Packets [Ing Qchip Drop V4 Packets] (tmnxSPIStatsIngQchipDropV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV4Pkts indicates the number of V4 packets dropped by the ingress Qchip.
ingQchipDropV6Octets [Ing Qchip Drop V6 Octets] (tmnxSPIStatsIngQchipDropV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV6Octets indicates the number of V6 octets dropped by the ingress Qchip.
ingQchipDropV6Packets [Ing Qchip Drop V6 Packets] (tmnxSPIStatsIngQchipDropV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV6Pkts indicates the number of V6 packets dropped by the ingress Qchip.
ingQchipFwdInProfileOctets [Ing Qchip Fwd In Profile Octets] (tmnxSPIStatsIngQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQchipFwdInProfilePackets [Ing Qchip Fwd In Profile Packets] (tmnxSPIStatsIngQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipFwdOutProfileOctets [Ing Qchip Fwd Out Profile Octets] (tmnxSPIStatsIngQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdOutProfilePackets [Ing Qchip Fwd Out Profile Packets] (tmnxSPIStatsIngQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdV4Octets [Ing Qchip Fwd V4 Octets] (tmnxSPIStatsIngQchipFwdV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV4Octets indicates the number of V4 octets forwarded by the ingress Qchip.
ingQchipFwdV4Packets [Ing Qchip Fwd V4 Packets] (tmnxSPIStatsIngQchipFwdV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV4Pkts indicates the number of V4 packets forwarded by the ingress Qchip.
ingQchipFwdV6Octets [Ing Qchip Fwd V6 Octets] (tmnxSPIStatsIngQchipFwdV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV6Octets indicates the number of V6 octets forwarded by the ingress Qchip.
ingQchipFwdV6Packets [Ing Qchip Fwd V6 Packets] (tmnxSPIStatsIngQchipFwdV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV6Pkts indicates the number of V6 packets forwarded by the ingress Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SubDataTrigStats MIB entry name: tmnxSubDtStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
packetsDropped [Packets Dropped] (tmnxSubDtStatsPacketsDropped)	java. math. BigInteger	The value of tmnxSubDtStatsPacketsDropped indicates the number of data packets dropped that could have triggered creation of data-triggered subscriber hosts on this system.
packetsReceived [Packets Received] (tmnxSubDtStatsPacketsReceived)	java. math. BigInteger	The value of tmnxSubDtStatsPacketsReceived indicates the number of data packets received that may trigger creation of data-triggered subscriber hosts on this system.
packetsinQ [Packetsin Q] (tmnxSubDtStatsPacketsInQ)	long	The value of tmnxSubDtStatsPacketsInQ indicates the number of data packets currently in the waiting queue that may trigger creation of data-triggered subscriber hosts on this system.
packetsinQPeak [Packetsin QPeak] (tmnxSubDtStatsPacketsInQPeak)	long	The value of tmnxSubDtStatsPacketsInQPeak indicates the maximum value of the tmnxSubDtStatsPacketsInQ object since the start-up of this system or the last time that the value of tmnxSubDtStatsPacketsInQ was reset.
SubEgrQosArbiterStats MIB entry name: tmnxSubEgrQosArbitStatsEntry Entry description: Each row entry contains egress statistics about a particular subscriber QoS arbiter. Table description (for tmnxSubEgrQosArbitStatsTable): The tmnxSubEgrQosArbitStatsTable contains egress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (tmnxSubEgrQosArbitStatsName)	String	The value of tmnxSubEgrQosArbitStatsName specifies the egress QoS arbiter of this subscriber.
subEgrQosArbitStatsFwdOcts [Sub Egr Qos Arbit Stats Fwd Octs] (tmnxSubEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
subEgrQosArbitStatsFwdPkts [Sub Egr Qos Arbit Stats Fwd Pkts] (tmnxSubEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
<p>SubEgrQosSchedStats</p> <p>MIB entry name: tmnxSubEgrQosSchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubEgrQosSchedStatsTable): The tmnxSubEgrQosSchedStatsTable contains egress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQosSchedName [Egr Qos Sched Name] (tmnxSubEgrQosSchedStatsName)	String	The value of tmnxSubEgrQosSchedStatsName specifies the egress QoS scheduler of this subscriber.
forwardedOctets [Forwarded Octets] (tmnxSubEgrQosSchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubEgrQosSchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the subscriber egress scheduler policy.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedPackets [Forwarded Packets] (tmnxSubEgrQosSchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQosSchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the subscriber egress scheduler policy.
<p>SubIngQosArbiterStats</p> <p>MIB entry name: tmnxSubIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS arbiter.</p> <p>Table description (for tmnxSubIngQosArbitStatsTable): The tmnxSubIngQosArbitStatsTable contains ingress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
arbiterName [Arbiter Name] (tmnxSubIngQosArbitStatsName)	String	The value of tmnxSubIngQosArbitStatsName specifies the ingress QoS arbiter of this subscriber.
subIngQosArbitStatsFwdOcts [Sub Ing Qos Arbit Stats Fwd Octs] (tmnxSubIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.
subIngQosArbitStatsFwdPkts [Sub Ing Qos Arbit Stats Fwd Pkts] (tmnxSubIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubIngQoS SchedStats</p> <p>MIB entry name: tmnxSubIngQoS SchedStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubIngQoS SchedStatsTable): The tmnxSubIngQoS SchedStatsTable contains ingress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
forwardedOctets [Forwarded Octets] (tmnxSubIngQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubIngQoS SchedStatsFwdOctets indicates the number of forwarded octets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (tmnxSubIngQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQoS SchedStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
ingQoS SchedName [Ing QoS Sched Name] (tmnxSubIngQoS SchedStatsName)	String	The value of tmnxSubIngQoS SchedStatsName specifies the ingress QoS scheduler of this subscriber.
<p>SubscriberEgrOverrideCounterStats</p> <p>MIB entry name: tmnxSubEgrOverrideCounterEntry</p> <p>Entry description: Egress statistics about a specific subscriber's HSMDA counter.</p> <p>Table description (for tmnxSubEgrOverrideCounterTable): A table that contains egress HSMDA counter subscriber statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrOvrCounterId [Sub Egr Ovr Counter Id] (tmnxSubEgrOvrCntrlId)	long	The value of tmnxSubEgrOvrCntrlId indicates the counter ID for the statistics.
subEgrOvrCounterSubPortId [Sub Egr Ovr Counter Sub Port Id] (tmnxSubEgrOvrCntrSubPortId)	long	The value of tmnxSubEgrOvrCntrSubPortId indicates the access port for this entry.
<p>SubscriberEgrOverrideCounterV4V6Stats MIB entry name: tmnxSubEgrOverrideCounterEntry Entry description: Egress statistics about a specific subscriber's HSMDA counter. Table description (for tmnxSubEgrOverrideCounterTable): A table that contains egress HSMDA counter subscriber statistics. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrOvrCounterDropV4Octets [Sub Egr Ovr Counter Drop V4 Octets] (tmnxSubEgrOvrCntrDropInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropInProfOcts indicates the number of high-priority octets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.
subEgrOvrCounterDropV4Packets [Sub Egr Ovr Counter Drop V4 Packets] (tmnxSubEgrOvrCntrDropInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropInProfPkts indicates the number of high-priority packets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.
subEgrOvrCounterDropV6Octets [Sub Egr Ovr Counter Drop V6 Octets] (tmnxSubEgrOvrCntrDropOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropOutProfOcts indicates the number of low-priority octets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.
subEgrOvrCounterDropV6Packets [Sub Egr Ovr Counter Drop V6 Packets] (tmnxSubEgrOvrCntrDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropOutProfPkts indicates the number of low-priority packets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrOvrCounterFwdV4Octets [Sub Egr Ovr Counter Fwd V4 Octets] (tmnxSubEgrOvrCntrFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdInProfOcts indicates the number of in-profile octets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV4Packets [Sub Egr Ovr Counter Fwd V4 Packets] (tmnxSubEgrOvrCntrFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdInProfPkts indicates the number of in-profile packets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV6Octets [Sub Egr Ovr Counter Fwd V6 Octets] (tmnxSubEgrOvrCntrFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdOutProfOcts indicates the number of out-of-profile octets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV6Packets [Sub Egr Ovr Counter Fwd V6 Packets] (tmnxSubEgrOvrCntrFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdOutProfPkts indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterId [Sub Egr Ovr Counter Id] (tmnxSubEgrOvrCntrId)	long	The value of tmnxSubEgrOvrCntrId indicates the counter ID for the statistics.
subEgrOvrCounterSubPortId [Sub Egr Ovr Counter Sub Port Id] (tmnxSubEgrOvrCntrSubPortId)	long	The value of tmnxSubEgrOvrCntrSubPortId indicates the access port for this entry.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberEgrPStats</p> <p>MIB entry name: tmnxSubEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubEgrPStatsTable): The tmnxSubEgrPStatsTable contains egress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrPStatsDrpInProfOcts [Sub Egr PStats Drp In Prof Octs] (tmnxSubEgrPStatsDrpInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpInProfOcts indicates the number of in-profile octets dropped by the egress Pchip.
subEgrPStatsDrpInProfPkts [Sub Egr PStats Drp In Prof Pkts] (tmnxSubEgrPStatsDrpInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpInProfPkts indicates the number of in-profile packets dropped by the egress Pchip.
subEgrPStatsDrpOutProfOcts [Sub Egr PStats Drp Out Prof Octs] (tmnxSubEgrPStatsDrpOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpOutProfOcts indicates the number of out-of-profile octets dropped by the egress Pchip.
subEgrPStatsDrpOutProfPkts [Sub Egr PStats Drp Out Prof Pkts] (tmnxSubEgrPStatsDrpOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsDrpOutProfPkts indicates the number of out-of-profile packets dropped by the egress Pchip.
subEgrPStatsFwdInProfOcts [Sub Egr PStats Fwd In Prof Octs] (tmnxSubEgrPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdInProfOcts indicates the number of in-profile octets forwarded by the egress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrPStatsFwdInProfPkts [Sub Egr PStats Fwd In Prof Pkts] (tmnxSubEgrPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdInProfPkts indicates the number of in-profile packets forwarded by the egress Pchip.
subEgrPStatsFwdOutProfOcts [Sub Egr PStats Fwd Out Prof Octs] (tmnxSubEgrPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdOutProfOcts indicates the number of out-of-profile octets forwarded by the egress Pchip.
subEgrPStatsFwdOutProfPkts [Sub Egr PStats Fwd Out Prof Pkts] (tmnxSubEgrPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded by the egress Pchip.
subEgrPStatsMode [Sub Egr PStats Mode] (tmnxSubEgrPStatsMode)	int	The value of tmnxSubEgrPStatsMode indicates the stat mode used by the policer.
subEgrPStatsOffInProfOcts [Sub Egr PStats Off In Prof Octs] (tmnxSubEgrPStatsOffInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffInProfOcts indicates the number of in-profile octets offered by the egress Pchip.
subEgrPStatsOffInProfPkts [Sub Egr PStats Off In Prof Pkts] (tmnxSubEgrPStatsOffInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffInProfPkts indicates the number of in-profile packets offered by the egress Pchip.
subEgrPStatsOffOutProfOcts [Sub Egr PStats Off Out Prof Octs] (tmnxSubEgrPStatsOffOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffOutProfOcts indicates the number of out-of-profile octets offered by the egress Pchip.
subEgrPStatsOffOutProfPkts [Sub Egr PStats Off Out Prof Pkts] (tmnxSubEgrPStatsOffOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffOutProfPkts indicates the number of out-of-profile packets offered by the egress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrPStatsOffUncolOcts [Sub Egr PStats Off Uncol Octs] (tmnxSubEgrPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubEgrPStatsOffUncolOcts indicates the number of uncolored octets offered by the egress Pchip.
subEgrPStatsPolicyId [Sub Egr PStats Policy Id] (tSapEgrPolicerId)	long	tSapEgrPolicerId defines the SAP Egress Policer identifier. It identifies an sap-egress policer in the managed system.
<p>SubscriberEgrQStats MIB entry name: tmnxSubscriberEgrQStatsEntry Entry description: Egress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberEgrQStatsTable): A table that contains subscriber egress HSMDA queue statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrQStatsHsmdaQueueId [Sub Egr QStats Hsmda Queue Id] (tmnxSubEgrQStatsQueueId)	long	The value of tmnxSubEgrQStatsQueueId index specifies the Hsmda egress queue for this entry.
subEgrQStatsSubPortId [Sub Egr QStats Sub Port Id] (tmnxSubEgrQStatsSubPortId)	long	The value of tmnxSubEgrQStatsSubPortId indicates the access port for this entry.
<p>SubscriberEgrQV4V6Stats MIB entry name: tmnxSubscriberEgrQStatsEntry Entry description: Egress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberEgrQStatsTable): A table that contains subscriber egress HSMDA queue statistics. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrQStatsDropV4Octets [Sub Egr QStats Drop V4 Octets] (tmnxSubEgrQStatsDropInProfOctets)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropInProfOctets indicates the number of high-priority octets dropped on egress on this subscriber.
subEgrQStatsDropV4Packets [Sub Egr QStats Drop V4 Packets] (tmnxSubEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropInProfPkts indicates the number of high-priority packets dropped on egress on this subscriber.
subEgrQStatsDropV6Octets [Sub Egr QStats Drop V6 Octets] (tmnxSubEgrQStatsDropOutProfOctets)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropOutProfOctets indicates the number of low-priority octets dropped on egress on this subscriber.
subEgrQStatsDropV6Packets [Sub Egr QStats Drop V6 Packets] (tmnxSubEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropOutProfPkts indicates the number of low-priority packets dropped on egress on this subscriber.
subEgrQStatsFwdV4Octets [Sub Egr QStats Fwd V4 Octets] (tmnxSubEgrQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdInProfOctets indicates the number of out-of-profile octets forwarded on egress on this subscriber.
subEgrQStatsFwdV4Packets [Sub Egr QStats Fwd V4 Packets] (tmnxSubEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdInProfPkts indicates the number of in-profile packets forwarded on egress on this subscriber.
subEgrQStatsFwdV6Octets [Sub Egr QStats Fwd V6 Octets] (tmnxSubEgrQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdOutProfOctets indicates the number of out-of-profile octets forwarded on egress on this subscriber.
subEgrQStatsFwdV6Packets [Sub Egr QStats Fwd V6 Packets] (tmnxSubEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded on egress on this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrQStatsHsmdaQueueId [Sub Egr QStats Hsmda Queue Id] (tmnxSubEgrQStatsQueueId)	long	The value of tmnxSubEgrQStatsQueueId index specifies the Hsmda egress queue for this entry.
subEgrQStatsSubPortId [Sub Egr QStats Sub Port Id] (tmnxSubEgrQStatsSubPortId)	long	The value of tmnxSubEgrQStatsSubPortId indicates the access port for this entry.
<p>SubscriberHsmdaStats MIB entry name: tmnxSubscriberHsmdaStatsEntry Entry description: HSMDA statistics for a specific subscriber. Table description (for tmnxSubscriberHsmdaStatsTable): A table that contains HSMDA subscriber statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
hsmdaStatsSubPortId [Hsmda Stats Sub Port Id] (tmnxSubHsmdaStSubPortId)	long	The value of tmnxSubHsmdaStSubPortId indicates the access port for this entry.
subEgrDropInProfileOctets [Sub Egr Drop In Profile Octets] (tmnxSubHsmdaStEgrDropInProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropInProfOct indicates the number of high-priority octets discarded by the egress Qchip for this subscriber.
subEgrDropInProfilePackets [Sub Egr Drop In Profile Packets] (tmnxSubHsmdaStEgrDropInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropInProfPkt indicates the number of high-priority packets discarded by the egress Qchip for this subscriber.
subEgrDropOutProfileOctets [Sub Egr Drop Out Profile Octets] (tmnxSubHsmdaStEgrDropOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropOutProfOct indicates the number of low-priority octets discarded by the egress Qchip for this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrDropOutProfilePackets [Sub Egr Drop Out Profile Packets] (tmnxSubHsmdaStEgrDropOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropOutProfPkt indicates the number of low-priority packets discarded by the egress Qchip for this subscriber.
subEgrFwdInProfilePackets [Sub Egr Fwd In Profile Packets] (tmnxSubHsmdaStEgrFwdInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdInProfPkt indicates the number of in-profile packets forwarded by the egress Qchip for this subscriber.
subEgrFwdOutProfileOctets [Sub Egr Fwd Out Profile Octets] (tmnxSubHsmdaStEgrFwdOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdOutProfOct indicates the number of out-of-profile octets forwarded by the egress Qchip for this subscriber.
subEgrFwdOutProfilePackets [Sub Egr Fwd Out Profile Packets] (tmnxSubHsmdaStEgrFwdOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdOutProfPkt indicates the number of out-of-profile packets forwarded by the egress Qchip for this subscriber.
subIngDropHiPriorityOctets [Sub Ing Drop Hi Priority Octets] (tmnxSubHsmdaStIngDropHiPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropHiPrioOct indicates the number of high-priority octets discarded by the ingress Qchip for this subscriber.
subIngDropHiPriorityPackets [Sub Ing Drop Hi Priority Packets] (tmnxSubHsmdaStIngDropHiPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropHiPrioPkt indicates the number of high-priority packets discarded by the ingress Qchip for this subscriber.
subIngDropLoPriorityOctets [Sub Ing Drop Lo Priority Octets] (tmnxSubHsmdaStIngDropLoPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropLoPrioOct indicates the number of low-priority octets discarded by the ingress Qchip for this subscriber.
subIngDropLoPriorityPackets [Sub Ing Drop Lo Priority Packets] (tmnxSubHsmdaStIngDropLoPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropLoPrioPkt indicates the number of low-priority packets discarded by the ingress Qchip for this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngFwdInProfileOctets [Sub Ing Fwd In Profile Octets] (tmnxSubHsmdaStIngFwdInProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdInProfOct indicates the number of out-of-profile octets forwarded by the ingress Qchip for this subscriber.
subIngFwdInProfilePackets [Sub Ing Fwd In Profile Packets] (tmnxSubHsmdaStIngFwdInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdInProfPkt indicates the number of in-profile packets forwarded by the ingress Qchip for this subscriber.
subIngFwdOutProfileOctets [Sub Ing Fwd Out Profile Octets] (tmnxSubHsmdaStIngFwdOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdOutProfOct indicates the number of out-of-profile octets forwarded by the ingress Qchip for this subscriber.
subIngFwdOutProfilePackets [Sub Ing Fwd Out Profile Packets] (tmnxSubHsmdaStIngFwdOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdOutProfPkt indicates the number of out-of-profile packets forwarded by the ingress Qchip for this subscriber.
subIngOffHiPrioOct [Sub Ing Off Hi Prio Oct] (tmnxSubHsmdaStIngOffHiPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffHiPrioOct indicates the number of high priority octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffHiPrioOctHw [Sub Ing Off Hi Prio Oct Hw] (tmnxSubHsmdaStIngOffHiPrioOctHw)	long	The value of tmnxSubHsmdaStIngOffHiPrioOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioOct.
subIngOffHiPrioOctLw [Sub Ing Off Hi Prio Oct Lw] (tmnxSubHsmdaStIngOffHiPrioOctLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioOct.
subIngOffHiPrioPkt [Sub Ing Off Hi Prio Pkt] (tmnxSubHsmdaStIngOffHiPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffHiPrioPkt indicates the number of high priority packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngOffHiPrioPktHw [Sub Ing Off Hi Prio Pkt Hw] (tmnxSubHsmdaStIngOffHiPrioPktHw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioPkt.
subIngOffHiPrioPktLw [Sub Ing Off Hi Prio Pkt Lw] (tmnxSubHsmdaStIngOffHiPrioPktLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioPkt.
subIngOffLoPrioOct [Sub Ing Off Lo Prio Oct] (tmnxSubHsmdaStIngOffLoPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffLoPrioOct indicates the number of low priority octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffLoPrioOctHw [Sub Ing Off Lo Prio Oct Hw] (tmnxSubHsmdaStIngOffLoPrioOctHw)	long	The value of tmnxSubHsmdaStIngOffLoPrioOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioOct.
subIngOffLoPrioOctLw [Sub Ing Off Lo Prio Oct Lw] (tmnxSubHsmdaStIngOffLoPrioOctLw)	long	The value of tmnxSubHsmdaStIngOffLoPrioOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioOct.
subIngOffLoPrioPkt [Sub Ing Off Lo Prio Pkt] (tmnxSubHsmdaStIngOffLoPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffLoPrioPkt indicates the number of low priority packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffLoPrioPktHw [Sub Ing Off Lo Prio Pkt Hw] (tmnxSubHsmdaStIngOffLoPrioPktHw)	long	The value of tmnxSubHsmdaStIngOffLoPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioPkt.
subIngOffLoPrioPktLw [Sub Ing Off Lo Prio Pkt Lw] (tmnxSubHsmdaStIngOffLoPrioPktLw)	long	The value of tmnxSubHsmdaStIngOffLoPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioPkt.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngOffTotalOctets [Sub Ing Off Total Octets] (tmnxSubHsmdaStIngOffTotalOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffTotalOct indicates the total number of octets offered on ingress for this subscriber.
subIngOffTotalPackets [Sub Ing Off Total Packets] (tmnxSubHsmdaStIngOffTotalPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffTotalPkt indicates the total number of packets offered on ingress for this subscriber.
subIngOffUncolOct [Sub Ing Off Uncol Oct] (tmnxSubHsmdaStIngOffUncolOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffUncolOct indicates the number of uncolored octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffUncolOctHw [Sub Ing Off Uncol Oct Hw] (tmnxSubHsmdaStIngOffUncolOctHw)	long	The value of tmnxSubHsmdaStIngOffUncolOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffUncolOct.
subIngOffUncolOctLw [Sub Ing Off Uncol Oct Lw] (tmnxSubHsmdaStIngOffUncolOctLw)	long	The value of tmnxSubHsmdaStIngOffUncolOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffUncolOct.
subIngOffUncolPkt [Sub Ing Off Uncol Pkt] (tmnxSubHsmdaStIngOffUncolPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffUncolPkt indicates the number of uncolored packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffUncolPktHw [Sub Ing Off Uncol Pkt Hw] (tmnxSubHsmdaStIngOffUncolPktHw)	long	The value of tmnxSubHsmdaStIngOffUncolPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffUncolPkt.
subIngOffUncolPktLw [Sub Ing Off Uncol Pkt Lw] (tmnxSubHsmdaStIngOffUncolPktLw)	long	The value of tmnxSubHsmdaStIngOffUncolPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffUncolPkt.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SubscriberHsmdaV4V6Stats MIB entry name: tmnxSubscriberHsmdaStatsEntry Entry description: HSMDA statistics for a specific subscriber. Table description (for tmnxSubscriberHsmdaStatsTable): A table that contains HSMDA subscriber statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
hsmdaStatsSubPortId [Hsmda Stats Sub Port Id] (tmnxSubHsmdaStSubPortId)	long	The value of tmnxSubHsmdaStSubPortId indicates the access port for this entry.
subEgrDropV4Octets [Sub Egr Drop V4 Octets] (tmnxSubHsmdaStEgrDropV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV4Octets indicates the number of IPv4 octets discarded by the egress Qchip for this subscriber.
subEgrDropV4Packets [Sub Egr Drop V4 Packets] (tmnxSubHsmdaStEgrDropV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV4Packets indicates the number of IPv4 packets discarded by the egress Qchip for this subscriber.
subEgrDropV6Octets [Sub Egr Drop V6 Octets] (tmnxSubHsmdaStEgrDropV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV6Octets indicates the number of IPv6 octets discarded by the egress Qchip for this subscriber.
subEgrDropV6Packets [Sub Egr Drop V6 Packets] (tmnxSubHsmdaStEgrDropV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV6Packets indicates the number of IPv6 packets discarded by the egress Qchip for this subscriber.
subEgrFwdV4Octets [Sub Egr Fwd V4 Octets] (tmnxSubHsmdaStEgrFwdV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV4Octets indicates the number of IPv4 octets forwarded by the egress Qchip for this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrFwdV4Packets [Sub Egr Fwd V4 Packets] (tmnxSubHsmdaStEgrFwdV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV4Packets indicates the number of IPv4 packets forwarded by the egress Qchip for this subscriber.
subEgrFwdV6Octets [Sub Egr Fwd V6 Octets] (tmnxSubHsmdaStEgrFwdV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV6Octets indicates the number of IPv6 octets forwarded by the egress Qchip for this subscriber.
subEgrFwdV6Packets [Sub Egr Fwd V6 Packets] (tmnxSubHsmdaStEgrFwdV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV6Packets indicates the number of IPv6 packets forwarded by the egress Qchip for this subscriber.
subIngDropV4Octets [Sub Ing Drop V4 Octets] (tmnxSubHsmdaStIngDropV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV4Octets indicates the number of IPv4 octets discarded by the ingress Qchip for this subscriber.
subIngDropV4Packets [Sub Ing Drop V4 Packets] (tmnxSubHsmdaStIngDropV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV4Packets indicates the number of IPv4 packets discarded by the ingress Qchip for this subscriber.
subIngDropV6Octets [Sub Ing Drop V6 Octets] (tmnxSubHsmdaStIngDropV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV6Octets indicates the number of IPv6 octets discarded by the ingress Qchip for this subscriber.
subIngDropV6Packets [Sub Ing Drop V6 Packets] (tmnxSubHsmdaStIngDropV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV6Packets indicates the number of IPv6 packets discarded by the ingress Qchip for this subscriber.
subIngFwdV4Octets [Sub Ing Fwd V4 Octets] (tmnxSubHsmdaStIngFwdV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV4Octets indicates the number of IPv4 octets forwarded by the ingress Qchip for this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngFwdV4Packets [Sub Ing Fwd V4 Packets] (tmnxSubHsmdaStIngFwdV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV4Packets indicates the number of IPv4 packets forwarded by the ingress Qchip for this subscriber.
subIngFwdV6Octets [Sub Ing Fwd V6 Octets] (tmnxSubHsmdaStIngFwdV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV6Octets indicates the number of IPv6 octets forwarded by the ingress Qchip for this subscriber.
subIngFwdV6Packets [Sub Ing Fwd V6 Packets] (tmnxSubHsmdaStIngFwdV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV6Packets indicates the number of IPv6 packets forwarded by the ingress Qchip for this subscriber.
subIngOffV4Octets [Sub Ing Off V4 Octets] (tmnxSubHsmdaStIngOffV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV4Octets indicates the number of IPv4 octets offered on ingress for this subscriber.
subIngOffV4Packets [Sub Ing Off V4 Packets] (tmnxSubHsmdaStIngOffV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV4Packets indicates the number of IPv4 packets offered on ingress for this subscriber.
subIngOffV6Octets [Sub Ing Off V6 Octets] (tmnxSubHsmdaStIngOffV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV6Octets indicates the number of IPv6 octets offered on ingress for this subscriber.
subIngOffV6Packets [Sub Ing Off V6 Packets] (tmnxSubHsmdaStIngOffV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV6Packets indicates the number of IPv6 packets offered on ingress for this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberIngPStats</p> <p>MIB entry name: tmnxSubIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubIngPStatsTable): The tmnxSubIngPStatsTable contains ingress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngPStatsDrpHiPrioOctsH [Sub Ing PStats Drp Hi Prio Octs H] (tmnxSubIngPStatsDrpHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpHiPrioOcts.
subIngPStatsDrpHiPrioOctsL [Sub Ing PStats Drp Hi Prio Octs L] (tmnxSubIngPStatsDrpHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpHiPrioOcts.
subIngPStatsDrpHiPrioPktsH [Sub Ing PStats Drp Hi Prio Pkts H] (tmnxSubIngPStatsDrpHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpHiPrioPkts.
subIngPStatsDrpHiPrioPktsL [Sub Ing PStats Drp Hi Prio Pkts L] (tmnxSubIngPStatsDrpHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpHiPrioPkts.
subIngPStatsDrpLoPrioOctsH [Sub Ing PStats Drp Lo Prio Octs H] (tmnxSubIngPStatsDrpLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpLoPrioOcts.
subIngPStatsDrpLoPrioOctsL [Sub Ing PStats Drp Lo Prio Octs L] (tmnxSubIngPStatsDrpLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpLoPrioOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsDrpLoPrioPktsH [Sub Ing PStats Drp Lo Prio Pkts H] (tmnxSubIngPStatsDrpLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpLoPrioPkts.
subIngPStatsDrpLoPrioPktsL [Sub Ing PStats Drp Lo Prio Pkts L] (tmnxSubIngPStatsDrpLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpLoPrioPkts.
subIngPStatsFwdInProfOctsH [Sub Ing PStats Fwd In Prof Octs H] (tmnxSubIngPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdInProfOcts.
subIngPStatsFwdInProfOctsL [Sub Ing PStats Fwd In Prof Octs L] (tmnxSubIngPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdInProfOcts.
subIngPStatsFwdInProfPktsH [Sub Ing PStats Fwd In Prof Pkts H] (tmnxSubIngPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdInProfPkts.
subIngPStatsFwdInProfPktsL [Sub Ing PStats Fwd In Prof Pkts L] (tmnxSubIngPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdInProfPkts.
subIngPStatsFwdOutProfOctsH [Sub Ing PStats Fwd Out Prof Octs H] (tmnxSubIngPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdOutProfOcts.
subIngPStatsFwdOutProfOctsL [Sub Ing PStats Fwd Out Prof Octs L] (tmnxSubIngPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdOutProfOcts.
subIngPStatsFwdOutProfPktsH [Sub Ing PStats Fwd Out Prof Pkts H] (tmnxSubIngPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdOutProfPkts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsFwdOutProfPktsL [Sub Ing PStats Fwd Out Prof Pkts L] (tmnxSubIngPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdOutProfPkts.
subIngPStatsMode [Sub Ing PStats Mode] (tmnxSubIngPStatsMode)	int	The value of tmnxSubIngPStatsMode indicates the stat mode used by the policer.
subIngPStatsOffHiPrioOctsH [Sub Ing PStats Off Hi Prio Octs H] (tmnxSubIngPStatsOffHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffHiPrioOcts.
subIngPStatsOffHiPrioOctsL [Sub Ing PStats Off Hi Prio Octs L] (tmnxSubIngPStatsOffHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffHiPrioOcts.
subIngPStatsOffHiPrioPktsH [Sub Ing PStats Off Hi Prio Pkts H] (tmnxSubIngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffHiPrioPktsL [Sub Ing PStats Off Hi Prio Pkts L] (tmnxSubIngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffLoPrioOctsH [Sub Ing PStats Off Lo Prio Octs H] (tmnxSubIngPStatsOffLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffLoPrioOcts.
subIngPStatsOffLoPrioOctsL [Sub Ing PStats Off Lo Prio Octs L] (tmnxSubIngPStatsOffLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffLoPrioOcts.
subIngPStatsOffLoPrioPktsH [Sub Ing PStats Off Lo Prio Pkts H] (tmnxSubIngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffLoPrioPkts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsOffLoPrioPktsL [Sub Ing PStats Off Lo Prio Pkts L] (tmnxSubIngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffLoPrioPkts.
subIngPStatsOffUncolOcts [Sub Ing PStats Off Uncol Octs] (tmnxSubIngPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffUncolOcts indicates the number of uncolored octets offered to the ingress Pchip.
subIngPStatsOffUncolOctsH [Sub Ing PStats Off Uncol Octs H] (tmnxSubIngPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffUncolOcts.
subIngPStatsOffUncolOctsL [Sub Ing PStats Off Uncol Octs L] (tmnxSubIngPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffUncolOcts.
subIngPStatsOffUncolPkts [Sub Ing PStats Off Uncol Pkts] (tmnxSubIngPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Pchip.
subIngPStatsOffUncolPktsH [Sub Ing PStats Off Uncol Pkts H] (tmnxSubIngPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffUncolPkts.
subIngPStatsOffUncolPktsL [Sub Ing PStats Off Uncol Pkts L] (tmnxSubIngPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffUncolPkts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberIngPV4V6Stats</p> <p>MIB entry name: tmnxSubIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubIngPStatsTable): The tmnxSubIngPStatsTable contains ingress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngPStatsDrpV4Octs [Sub Ing PStats Drp V4 Octs] (tmnxSubIngPStatsDrpHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
subIngPStatsDrpV4Pkts [Sub Ing PStats Drp V4 Pkts] (tmnxSubIngPStatsDrpHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpHiPrioPkts indicates the number of high priority packets dropped by the Qchip.
subIngPStatsDrpV6Octs [Sub Ing PStats Drp V6 Octs] (tmnxSubIngPStatsDrpLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
subIngPStatsDrpV6Pkts [Sub Ing PStats Drp V6 Pkts] (tmnxSubIngPStatsDrpLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsDrpLoPrioPkts indicates the number of low priority packets dropped by the Pchip.
subIngPStatsFwdV4Octs [Sub Ing PStats Fwd V4 Octs] (tmnxSubIngPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsFwdV4Pkts [Sub Ing PStats Fwd V4 Pkts] (tmnxSubIngPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
subIngPStatsFwdV6Octs [Sub Ing PStats Fwd V6 Octs] (tmnxSubIngPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
subIngPStatsFwdV6Pkts [Sub Ing PStats Fwd V6 Pkts] (tmnxSubIngPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
subIngPStatsMode [Sub Ing PStats Mode] (tmnxSubIngPStatsMode)	int	The value of tmnxSubIngPStatsMode indicates the stat mode used by the policer.
subIngPStatsOffV4Octs [Sub Ing PStats Off V4 Octs] (tmnxSubIngPStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
subIngPStatsOffV4Pkts [Sub Ing PStats Off V4 Pkts] (tmnxSubIngPStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffHiPrioPkts indicates the number of high priority packets offered by the Pchip to the Qchip.
subIngPStatsOffV6Octs [Sub Ing PStats Off V6 Octs] (tmnxSubIngPStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
subIngPStatsOffV6Pkts [Sub Ing PStats Off V6 Pkts] (tmnxSubIngPStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffLoPrioPkts indicates the number of low priority packets offered by the Pchip to the Qchip.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsPolicerId [Sub Ing PStats Policer Id] (tSapIngPolicerId)	long	tSapIngPolicerId defines the SAP Ingress Policer identifier. It identifies an sap-ingress policer in the managed system.
<p>SubscriberIngQStats MIB entry name: tmnxSubscriberIngQStatsEntry Entry description: Ingress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberIngQStatsTable): A table that contains subscriber ingress HSMDA queue statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngQStatsHsmdaQueueId [Sub Ing QStats Hsmda Queue Id] (tmnxSubIngQStatsQueueId)	long	The value of tmnxSubIngQStatsQueueId index specifies the Hsmda ingress queue for this entry.
subIngQStatsOffHiPrioOctsHw [Sub Ing QStats Off Hi Prio Octs Hw] (tmnxSubIngQStatsOffHiPrioOctsHw)	long	The value of tmnxSubIngQStatsOffHiPrioOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffHiPrioOcts.
subIngQStatsOffHiPrioOctsLw [Sub Ing QStats Off Hi Prio Octs Lw] (tmnxSubIngQStatsOffHiPrioOctsLw)	long	The value of tmnxSubIngQStatsOffHiPrioOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffHiPrioOcts.
subIngQStatsOffHiPrioPktsHw [Sub Ing QStats Off Hi Prio Pkts Hw] (tmnxSubIngQStatsOffHiPrioPktsHw)	long	The value of tmnxSubIngQStatsOffHiPrioPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffHiPrioPkts.
subIngQStatsOffHiPrioPktsLw [Sub Ing QStats Off Hi Prio Pkts Lw] (tmnxSubIngQStatsOffHiPrioPktsLw)	long	The value of tmnxSubIngQStatsOffHiPrioPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffHiPrioPkts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffLoPrioOctsHw [Sub Ing QStats Off Lo Prio Octs Hw] (tmnxSubIngQStatsOffLoPrioOctsHw)	long	The value of tmnxSubIngQStatsOffLoPrioOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffLoPrioOcts.
subIngQStatsOffLoPrioOctsLw [Sub Ing QStats Off Lo Prio Octs Lw] (tmnxSubIngQStatsOffLoPrioOctsLw)	long	The value of tmnxSubIngQStatsOffLoPrioOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffLoPrioOcts.
subIngQStatsOffLoPrioPktsHw [Sub Ing QStats Off Lo Prio Pkts Hw] (tmnxSubIngQStatsOffLoPrioPktsHw)	long	The value of tmnxSubIngQStatsOffLoPrioPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffLoPrioPkts.
subIngQStatsOffLoPrioPktsLw [Sub Ing QStats Off Lo Prio Pkts Lw] (tmnxSubIngQStatsOffLoPrioPktsLw)	long	The value of tmnxSubIngQStatsOffLoPrioPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffLoPrioPkts.
subIngQStatsOffTotalOctets [Sub Ing QStats Off Total Octets] (tmnxSubIngQStatsOffTotalOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffTotalOcts indicates the total number of octets offered on ingress on this subscriber.
subIngQStatsOffTotalPackets [Sub Ing QStats Off Total Packets] (tmnxSubIngQStatsOffTotalPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffTotalPkts indicates the total number of packets offered for this subscriber.
subIngQStatsOffUncolOcts [Sub Ing QStats Off Uncol Octs] (tmnxSubIngQStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffUncolOcts indicates the number of uncolored octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffUncolOctsHw [Sub Ing QStats Off Uncol Octs Hw] (tmnxSubIngQStatsOffUncolOctsHw)	long	The value of tmnxSubIngQStatsOffUncolOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffUncolOcts.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffUncolOctsLw [Sub Ing QStats Off Uncol Octs Lw] (tmnxSubIngQStatsOffUncolOctsLw)	long	The value of tmnxSubIngQStatsOffUncolOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffUncolOcts.
subIngQStatsOffUncolPkts [Sub Ing QStats Off Uncol Pkts] (tmnxSubIngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffUncolPkts indicates the number of uncolored packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffUncolPktsHw [Sub Ing QStats Off Uncol Pkts Hw] (tmnxSubIngQStatsOffUncolPktsHw)	long	The value of tmnxSubIngQStatsOffUncolPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffUncolPkts.
subIngQStatsOffUncolPktsLw [Sub Ing QStats Off Uncol Pkts Lw] (tmnxSubIngQStatsOffUncolPktsLw)	long	The value of tmnxSubIngQStatsOffUncolPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffUncolPkts.
subIngQStatsSubPortId [Sub Ing QStats Sub Port Id] (tmnxSubIngQStatsSubPortId)	long	The value of tmnxSubIngQStatsSubPortId indicates the access port for this entry.
<p>SubscriberIngQV4V6Stats</p> <p>MIB entry name: tmnxSubscriberIngQStatsEntry</p> <p>Entry description: Ingress statistics about a specific subscriber's HSMDA queue.</p> <p>Table description (for tmnxSubscriberIngQStatsTable): A table that contains subscriber ingress HSMDA queue statistics.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngQStatsDropV4Octets [Sub Ing QStats Drop V4 Octets] (tmnxSubIngQStatsDropHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropHiPrioOcts indicates the number of high-priority octets dropped on ingress on this subscriber.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsDropV4Packets [Sub Ing QStats Drop V4 Packets] (tmnxSubIngQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropHiPrioPkts indicates the number of high-priority packets dropped on ingress on this subscriber.
subIngQStatsDropV6Octets [Sub Ing QStats Drop V6 Octets] (tmnxSubIngQStatsDropLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropLoPrioOcts indicates the number of low-priority octets dropped on ingress on this subscriber.
subIngQStatsDropV6Packets [Sub Ing QStats Drop V6 Packets] (tmnxSubIngQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropLoPrioPkts indicates the number of low-priority packets dropped on ingress on this subscriber.
subIngQStatsFwdV4Octets [Sub Ing QStats Fwd V4 Octets] (tmnxSubIngQStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdInProfOcts indicates the number of out-of-profile octets forwarded on ingress on this subscriber.
subIngQStatsFwdV4Packets [Sub Ing QStats Fwd V4 Packets] (tmnxSubIngQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdInProfPkts indicates the number of in-profile packets forwarded on ingress on this subscriber.
subIngQStatsFwdV6Octets [Sub Ing QStats Fwd V6 Octets] (tmnxSubIngQStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdOutProfOcts indicates the number of out-of-profile octets forwarded on ingress on this subscriber.
subIngQStatsFwdV6Packets [Sub Ing QStats Fwd V6 Packets] (tmnxSubIngQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded on ingress on this subscriber.
subIngQStatsHsmdaQueueId [Sub Ing QStats Hsmda Queue Id] (tmnxSubIngQStatsQueueId)	long	The value of tmnxSubIngQStatsQueueId index specifies the Hsmda ingress queue for this entry.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffV4Octs [Sub Ing QStats Off V4 Octs] (tmnxSubIngQStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffHiPrioOcts indicates the number of high-priority octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV4Pkts [Sub Ing QStats Off V4 Pkts] (tmnxSubIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffHiPrioPkts indicates the number of high-priority packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV6Octs [Sub Ing QStats Off V6 Octs] (tmnxSubIngQStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffLoPrioOcts indicates the number of low-priority octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV6Pkts [Sub Ing QStats Off V6 Pkts] (tmnxSubIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffLoPrioPkts indicates the number of low-priority packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsSubPortId [Sub Ing QStats Sub Port Id] (tmnxSubIngQStatsSubPortId)	long	The value of tmnxSubIngQStatsSubPortId indicates the access port for this entry.
<p>SubscriberServiceStats</p> <p>MIB entry name: tmnxSubHostInfoV2Entry</p> <p>Entry description: Each row entry contains information about a particular subscriber host available in the system.</p> <p>Table description (for tmnxSubHostInfoV2Table): The tmnxSubHostInfoV2Table has an entry for each subscriber host found in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.SubscriberService</p>		
ipAddress [Ip Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipAddressType [Ip Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.
macAddress [Mac Address] (tmnxSubHostInfoV2MacAddress)	String	The value of tmnxSubHostInfoV2MacAddress specifies the MAC address of this subscriber host.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
pppoeSessionId [Pppoe Session Id] (tmnxSubHostInfoV2PppoeSessionId)	long	The value of tmnxSubHostInfoV2PppoeSessionId specifies the PPPoE session id of this subscriber host.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
subSvcId [Sub Svc Id] (tmnxSubSvcId)	long	The value of tmnxSubSvcId indicates the identifier of this subscriber service.
subSvcInOcts [Sub Svc In Octs] (tmnxSubSvcInOcts)	java. math. BigInteger	The value of tmnxSubSvcInOcts indicates the number of ingress octets sent for this subscriber service.
subSvcInPckts [Sub Svc In Pckts] (tmnxSubSvcInPckts)	java. math. BigInteger	The value of tmnxSubSvcInPckts indicates the number of ingress packets sent for this subscriber service.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subSvcOutOcts [Sub Svc Out Octs] (tmnxSubSvcOutOcts)	java. math. BigInteger	The value of tmnxSubSvcOutOcts indicates the number of egress octets sent for this subscriber service.
subSvcOutPckts [Sub Svc Out Pckts] (tmnxSubSvcOutPckts)	java. math. BigInteger	The value of tmnxSubSvcOutPckts indicates the number of egress packets sent for this subscriber service.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>TotalPppSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppTypeTable): The tmnxSubPppTypeTable has an entry for each each type of subscriber PPP Session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
pPpType [PPPType] (tmnxSubPppTypeIndex)	int	The value of the object tmnxSubPppTypeIndex indicates the type of subscriber PPP.
pPPoL2tp [PPPo L2 tp] (tmnxSubPppTypeSessions)	long	The value of the object tmnxSubPppTypeSessions indicates the actual number of PPP session of this type.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WholesalerRetailerStats</p> <p>MIB entry name: svcWholesalerInfoEntry</p> <p>Entry description: Each row entry represents the attributes of a wholesaler-retailer pairing. Entries are created/destroyed when forwarding interfaces are defined.</p> <p>Table description (for svcWholesalerInfoTable): The svcWholesalerInfoTable has an entry for each wholesaler service associated with a retailer service on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.Site • vprn.Site 		
numArpHosts [Num Arp Hosts] (svcWholesalerNumArpHosts)	long	The value of svcWholesalerNumArpHosts indicates the number of ARP hosts in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numDhcp6LeaseStates [Num Dhcp 6 Lease States] (svcWholesalerNumDhcp6LeaseStates)	long	The value of svcWholesalerNumDhcp6LeaseStates indicates the number of DHCPv6 lease states in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numDhcpLeaseStates [Num Dhcp Lease States] (svcWholesalerNumDhcpLeaseStates)	long	The value of svcWholesalerNumDhcpLeaseStates indicates the number of DHCP lease states in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numDynamicHosts [Num Dynamic Hosts] (svcWholesalerNumDynamicHosts)	long	The value of svcWholesalerNumDynamicHosts indicates the number of dynamic hosts in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numIpcpHosts [Num Ipcp Hosts] (svcWholesalerNumIpcpHosts)	long	The value of svcWholesalerNumIpcpHosts indicates the number of PPP IPCP hosts in the wholesaler indicated by svcWholesalerID that belong to the retailer service.

Table 494 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numIpoSessions [Num Ipo Sessions] (svcWholesalerNumIpoSessions)	long	The value of svcWholesalerNumIpoSessions indicates the number of IPoE sessions in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numPppoeSessions [Num Pppoe Sessions] (svcWholesalerNumPppoeSessions)	long	The value of svcWholesalerNumPppoeSessions indicates the number of PPPoE sessions in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
numSlaacHosts [Num Slaac Hosts] (svcWholesalerNumSlaacHosts)	long	The value of svcWholesalerNumSlaacHosts indicates the number of SLAAC hosts in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numStatic6Hosts [Num Static 6 Hosts] (svcWholesalerNumStatic6Hosts)	long	The value of svcWholesalerNumStatic6Hosts indicates the number of static ipv6 hosts in the wholesaler indicated by svcWholesalerID that belong to the retailer service.
numStaticHosts [Num Static Hosts] (svcWholesalerNumStaticHosts)	long	The value of svcWholesalerNumStaticHosts indicates the number of static hosts in the wholesaler indicated by svcWholesalerID that belong to subnets of the retailer service.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
wholesalerID [Wholesaler ID] (svcWholesalerID)	long	The value of svcWholesalerID is used to specify the service ID of the wholesaler.

Table 495 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxRipNgIfStatEntry</p> <p>Entry description: tmnxRipNgIfStatEntry is an entry (conceptual row) in the tmnxRipNgIfStatTable. Each entry represents statistical information for a RIP/RIP-NG interface.</p> <p>Table description (for tmnxRipNgIfStatTable): tmnxRipNgIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP/RIP-NG.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (tmnxRipNgIfStatAllRcvBadPkts)	long	tmnxRipNgIfStatAllRcvBadPkts is the number of IPv1/RIP-NG updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (tmnxRipNgIfStatV1BadRoutes)	long	tmnxRipNgIfStatV1BadRoutes is the number of routes, in valid IPv1/RIP-NG packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (tmnxRipNgIfStatV1RcvRequests)	long	tmnxRipNgIfStatV1RcvRequests is the number of IPv1/RIP-NG request packets received.
v1RequestsIgnored [V1 Requests Ignored] (tmnxRipNgIfStatV1BadRequests)	long	tmnxRipNgIfStatV1BadRequests is the number of IPv1/RIP-NG request packets received that were subsequently discarded for any reason.
v1Updates [V1 Updates] (tmnxRipNgIfStatV1RcvUpdates)	long	tmnxRipNgIfStatV1RcvUpdates is the number of IPv1/RIP-NG response packets received.
v1UpdatesIgnored [V1 Updates Ignored] (tmnxRipNgIfStatV1BadUpdates)	long	tmnxRipNgIfStatV1BadUpdates is the number of IPv1/RIP-NG response packets received which were subsequently discarded for any reason.

Table 495 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (tmnxRipNgIfStatAuthErrors)	long	tmnxRipNgIfStatAuthErrors is the number of RIPv2 packets received which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (tmnxRipNgIfStatV2BadRoutes)	long	tmnxRipNgIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (tmnxRipNgIfStatV2RcvRequests)	long	tmnxRipNgIfStatV2RcvRequests is the number of RIPv2 request packets received.
v2RequestsIgnored [V2 Requests Ignored] (tmnxRipNgIfStatV2BadRequests)	long	tmnxRipNgIfStatV2BadRequests is the number of RIPv2 request packets received that were subsequently discarded for any reason.
v2Updates [V2 Updates] (tmnxRipNgIfStatV2RcvUpdates)	long	tmnxRipNgIfStatV2RcvUpdates is the number of RIPv2 response packets received.
v2UpdatesIgnored [V2 Updates Ignored] (tmnxRipNgIfStatV2BadUpdates)	long	tmnxRipNgIfStatV2BadUpdates is the number of RIPv2 response packets received which were subsequently discarded for any reason.
<p>InterfaceTransmitStats MIB entry name: tmnxRipNgIfStatEntry Entry description: tmnxRipNgIfStatEntry is an entry (conceptual row) in the tmnxRipNgIfStatTable. Each entry represents statistical information for a RIP/RIP-NG interface. Table description (for tmnxRipNgIfStatTable): tmnxRipNgIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP/RIP-NG. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface</p>		

Table 495 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (tmnxRipNgIfStatAllSentUpdates)	long	tmnxRipNgIfStatAllSentUpdates is the number of all RIPv1/RIP-NG updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (tmnxRipNgIfStatAllTrigUpdates)	long	tmnxRipNgIfStatAllTrigUpdates is the number of triggered RIPv1/RIP-NG updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 496 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth indicates the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 496 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 497 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>Dhcp6DropStats</p> <p>MIB entry name: vRtrDHCP6DropStatEntry</p> <p>Entry description: Each row entry represents a collection of DHCP6 drop reason statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrDHCP6DropStatTable): The vRtrDHCP6DropStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
authenticationFailedPktsDropped [Authentication Failed Pkts Dropped] (vRtrDHCP6DropStatPktsDropped)	long	The value of vRtrDHCP6DropStatPktsDropped indicates the number of DHCP6 packets were dropped for the reason described in vRtrDHCP6DropStatReason.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dhcp6Stats</p> <p>MIB entry name: vRtrDHCP6MsgStatEntry</p> <p>Entry description: Each row entry represents a collection of counters for each DHCP6 message type for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
dhcp6MsgTypeMaxValueDrpPkts [Dhcp 6 Msg Type Max Value Drp Pkts] (vRtrDHCP6MsgStatsDropped)	long	The value of vRtrDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.
dhcp6MsgTypeMaxValueRxPkts [Dhcp 6 Msg Type Max Value Rx Pkts] (vRtrDHCP6MsgStatsRcvd)	long	The value of vRtrDHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.
dhcp6MsgTypeMaxValueTxPkts [Dhcp 6 Msg Type Max Value Tx Pkts] (vRtrDHCP6MsgStatsSent)	long	The value of vRtrDHCP6MsgStatsSent indicates the number of DHCP6 packets were sent of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxNq [Client Pkts Prox Nq] (vRtrIfDHCPRelayClientPktsProxNq)	long	The value of the object vRtrIfDHCPRelayClientPktsProxNq indicates the total number of client packets proxied by the DHCP relay agent based on data received from a Diameter NASREQ server.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
clientPktsProxUDB [Client Pkts Prox UDB] (vRtrIfDHCPRelayClientPktsProxUDB)	long	vRtrIfDHCPRelayClientPktsProxUDB indicates the total number of client packets proxied by the DHCP relay agent based on the local user database.
clientPktsStream [Client Pkts Stream] (vRtrIfDHCPRelayClientPktsStream)	long	The value of the object vRtrIfDHCPRelayClientPktsStream indicates the total number of received client packets scheduled for streaming to an external server, by the DHCP proxy function.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>DhcpRelayV6Stats</p> <p>MIB entry name: svclfDHCP6MsgStatEntry</p> <p>Entry description: Each row entry represents a collection of counters for each DHCP6 message type for an interface in a service. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for svclfDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each interface defined in a service for which DHCP6 can be enabled.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayV6Configuration • rtr.DhcpRelayV6ProxyServer 		

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (svclfDHCP6MsgStatsDropped)	long	The value of svclfDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped on this service interface.
receivedPackets [Received Packets] (svclfDHCP6MsgStatsRcvd)	long	The value of svclfDHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received on this service interface.
transmittedPackets [Transmitted Packets] (svclfDHCP6MsgStatsSent)	long	The value of svclfDHCP6MsgStatsSent indicates the number of DHCP6 packets were sent on this service interface.
<p>IpInterfaceAdditionalStats MIB entry name: vRtrIfStatsExtEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsExtTable): The vRtrIfStatsExtTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • service.GroupInterface • service.L3AccessInterface • vprn.NetworkInterface 		
rxMplsBytes [Rx Mpls Bytes] (vRtrIfRxMplsBytes)	java. math. BigInteger	The value of vRtrIfRxMplsBytes indicates the total number of MPLS bytes received by this interface.
rxMplsPkts [Rx Mpls Pkts] (vRtrIfRxMplsPkts)	java. math. BigInteger	The value of vRtrIfRxMplsPkts indicates the total number of MPLS packets received by this interface.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBytes [Tx Bytes] (vRtrIfTxBytes)	java. math. BigInteger	The value of vRtrIfTxBytes indicates the number of total bytes sent by this interface.
txBytesHigh32 [Tx Bytes High 32] (vRtrIfTxBytesHigh32)	long	The value of vRtrIfTxBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxBytes.
txBytesLow32 [Tx Bytes Low 32] (vRtrIfTxBytesLow32)	long	The value of vRtrIfTxBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxBytes.
txMplsBytes [Tx Mpls Bytes] (vRtrIfTxMplsBytes)	java. math. BigInteger	The value of vRtrIfTxMplsBytes indicates the total number of MPLS bytes sent by this interface.
txMplsPkts [Tx Mpls Pkts] (vRtrIfTxMplsPkts)	java. math. BigInteger	The value of vRtrIfTxMplsPkts indicates the total number of MPLS packets sent by this interface.
txPkts [Tx Pkts] (vRtrIfTxPkts)	java. math. BigInteger	The value of vRtrIfTxPkts indicates the number of total packets sent by this interface.
txPktsHigh32 [Tx Pkts High 32] (vRtrIfTxPktsHigh32)	long	The value of vRtrIfTxPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxPkts.
txPktsLow32 [Tx Pkts Low 32] (vRtrIfTxPktsLow32)	long	The value of vRtrIfTxPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxPkts.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
rxV4Bytes [Rx V4 Bytes] (vRtrIfRxV4Bytes)	java. math. BigInteger	The value of vRtrIfRxV4Bytes indicates the number of bytes in IPv4 packets received by this interface.
rxV4Pkts [Rx V4 Pkts] (vRtrIfRxV4Pkts)	java. math. BigInteger	The value of vRtrIfRxV4Pkts indicates the number of IPv4 packets received by this interface.
rxV6Bytes [Rx V6 Bytes] (vRtrIfRxV6Bytes)	java. math. BigInteger	The value of vRtrIfRxV6Bytes indicates the number of bytes in IPv6 packets received by this interface.
rxV6BytesHigh32 [Rx V6 Bytes High 32] (vRtrIfRxV6BytesHigh32)	long	The value of vRtrIfRxV6BytesHigh32 indicates the high 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6BytesLow32 [Rx V6 Bytes Low 32] (vRtrIfRxV6BytesLow32)	long	The value of vRtrIfRxV6BytesLow32 indicates the lower 32 bits word of the value of vRtrIfRxV6Bytes.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV6Pkts [Rx V6 Pkts] (vRtrIfRxV6Pkts)	java. math. BigInteger	The value of vRtrIfRxV6Pkts indicates the number of IPv6 packets received by this interface.
rxV6PktsHigh32 [Rx V6 Pkts High 32] (vRtrIfRxV6PktsHigh32)	long	The value of vRtrIfRxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfRxV6Pkts.
rxV6PktsLow32 [Rx V6 Pkts Low 32] (vRtrIfRxV6PktsLow32)	long	The value of vRtrIfRxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfRxV6Pkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>MacAccountingStats MIB entry name: vRtrIfMacAccountingStatsEntry Entry description: Each row entry represents the MAC statistics per virtual router interface. Table description (for vRtrIfMacAccountingStatsTable): The vRtrIfMacAccountingStatsTable table contains MAC statistics per virtual router interface. Does not support realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.NetworkInterface • service.L3AccessInterface </p>		
inFrames [In Frames] (vRtrIfMacAccountingInFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInFrames indicates the number of total frames received in this MAC Address.
inFramesHigh32 [In Frames High 32] (vRtrIfMacAccountingInFramesH)	long	The value of vRtrIfMacAccountingInFramesH indicates the higher 32 bits of vRtrIfMacAccountingInFrames.
inFramesLow32 [In Frames Low 32] (vRtrIfMacAccountingInFramesL)	long	The value of vRtrIfMacAccountingInFramesL indicates the lower 32 bits of vRtrIfMacAccountingInFrames.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOctets [In Octets] (vRtrIfMacAccountingInOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInOctets indicates the number of total octets received in this MAC Address.
inOctetsHigh32 [In Octets High 32] (vRtrIfMacAccountingInOctetsH)	long	The value of vRtrIfMacAccountingInOctetsH indicates the higher 32 bits of vRtrIfMacAccountingInOctets.
inOctetsLow32 [In Octets Low 32] (vRtrIfMacAccountingInOctetsL)	long	The value of vRtrIfMacAccountingInOctetsL indicates the lower 32 bits of vRtrIfMacAccountingInOctets.
macAddress [Mac Address] (vRtrIfSourceMacAddress)	String	The value of the object vRtrIfSourceMacAddress indicates the source MAC address.
outFrames [Out Frames] (vRtrIfMacAccountingOutFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutFrames indicates the number of total frames transmitted in this MAC Address.
outFramesHigh32 [Out Frames High 32] (vRtrIfMacAccountingOutFramesH)	long	The value of vRtrIfMacAccountingOutFramesH indicates the higher 32 bits of vRtrIfMacAccountingOutFrames.
outFramesLow32 [Out Frames Low 32] (vRtrIfMacAccountingOutFramesL)	long	The value of vRtrIfMacAccountingOutFramesL indicates the lower 32 bits of vRtrIfMacAccountingOutFrames.
outOctets [Out Octets] (vRtrIfMacAccountingOutOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutOctets indicates the number of total octets transmitted in this MAC Address.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOctetsHigh32 [Out Octets High 32] (vRtrIfMacAccountingOutOctetsH)	long	The value of vRtrIfMacAccountingOutOctetsH indicates the higher 32 bits of vRtrIfMacAccountingOutOctets.
outOctetsLow32 [Out Octets Low 32] (vRtrIfMacAccountingOutOctetsL)	long	The value of vRtrIfMacAccountingOutOctetsL indicates the lower 32 bits of vRtrIfMacAccountingOutOctets.
<p>NetworkInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV4Bytes [URPFCheck Fail V4 Bytes] (vRtrIfV4uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailBytes indicates the number of bytes in IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV4Pkts [URPFCheck Fail V4 Pkts] (vRtrIfV4uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailPkts indicates the number of IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>PolicyAccountInterfaceStats</p> <p>MIB entry name: vRtrPlcyAcctInterfaceStatsEntry</p> <p>Entry description: Each row entry in the vRtrPlcyAcctInterfaceStatsTable represents statistics related to the vRtrPlcyAcctSrcClassTable and vRtrPlcyAcctDestClassTable.</p> <p>Table description (for vRtrPlcyAcctInterfaceStatsTable): The vRtrPlcyAcctInterfaceStatsTable has stats for each source class and dest class associated with an interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • ies.IPsecInterface • ies.L3AccessInterface • rtr.NetworkInterface • vprn.GroupInterface • vprn.IPsecInterface • vprn.L3AccessInterface 		
forwardBytes [Forward Bytes] (vRtrPlcyAcctRxFwdBytes)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdBytes indicates the total number of bytes received for this vRtrPlcyAcctIndex associated with the interface.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardPackets [Forward Packets] (vRtrPlcyAcctRxFwdPkts)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdPkts indicates the total number of packets received for this vRtrPlcyAcctIndex associated with the interface.
incompleteCount [Incomplete Count] (vRtrPlcyAcctRxIncompleteCnt)	boolean	The value of the object vRtrPlcyAcctRxIncompleteCnt indicates whether the count of vRtrPlcyAcctRxFwdBytes and vRtrPlcyAcctRxFwdPkts is incomplete or not. When the value of vRtrPlcyAcctRxIncompleteCnt is 'true', both vRtrPlcyAcctRxFwdBytes and vRtrPlcyAcctRxFwdPkts will be incomplete.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'bgp'.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeMplsTpTunnels [Active Mpls Tp Tunnels] (vRtrStatActiveMplsTpTunnels)	long	vRtrStatActiveMplsTpTunnels indicates the current number of active MPLS-TP tunnels.
activeRsvpTunnels [Active Rsvp Tunnels] (vRtrStatActiveRsvpTunnels)	long	The value of vRtrStatActiveRsvpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'rsvp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAActiveRoutes)	long	vRtrBGPAActiveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
dynamicArpEntries [Dynamic Arp Entries] (vRtrStatDynamicARPEntries)	long	The value of vRtrStatDynamicARPEntries indicates the total number of active and inactive dynamic ARP entries for the specified virtual router in the system.
hostActiveRoutes [Host Active Routes] (vRtrHostActiveRoutes)	long	The value of vRtrHostActiveRoutes indicates the current number of active direct routes with prefix value 32 for this instance of the route table.
hostRoutes [Host Routes] (vRtrHostRoutes)	long	The value of vRtrHostRoutes indicates the current number of direct routes with prefix value 32 for this instance of the route table.
iPsecActiveRoutes [IPsec Active Routes] (vRtrIPsecActiveRoutes)	long	The value of the object vRtrIPsecActiveRoutes indicates the current number of active IPsec routes for this instance of the route table.
iPsecRoutes [IPsec Routes] (vRtrIPsecRoutes)	long	The value of the object vRtrIPsecRoutes indicates the current number of IPsec routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
internalArpEntries [Internal Arp Entries] (vRtrStatInternalARPEntries)	long	The value of vRtrStatInternalARPEntries indicates the total number of active and inactive internal ARP entries for the specified virtual router in the system.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveRoutes [Ldp Active Routes] (vRtrLDPActiveRoutes)	long	vRtrLDPActiveRoutes indicates the current number of active ldp routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.
ldpRoutes [Ldp Routes] (vRtrLDPRoutes)	long	vRtrLDPRoutes indicates the current number of ldp routes for this instance of the route table.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
localArpEntries [Local Arp Entries] (vRtrStatLocalARPEntries)	long	The value of vRtrStatLocalARPEntries indicates the total number of active and inactive local ARP entries for the specified virtual router in the system.
managedActiveRoutes [Managed Active Routes] (vRtrManagedActiveRoutes)	long	The value of vRtrManagedActiveRoutes indicates the total number of active managed routes for the specified virtual router in the system.
managedArpEntries [Managed Arp Entries] (vRtrStatManagedARPEntries)	long	The value of vRtrStatManagedARPEntries indicates the total number of active and inactive managed ARP entries for the specified virtual router in the system.
managedRoutes [Managed Routes] (vRtrManagedRoutes)	long	The value of vRtrManagedRoutes indicates the total number of active and inactive managed routes for the specified virtual router in the system.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcastIpv4StatBGPEvpnActvRts [Mcast Ipv 4 Stat BGPEvpn Actv Rts] (vRtrMcastIpv4StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv4StatBGPEvpnActvRts indicates the total number of active IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
mcastIpv4StatBGPEvpnRoutes [Mcast Ipv 4 Stat BGPEvpn Routes] (vRtrMcastIpv4StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv4StatBGPEvpnRoutes indicates the total number of IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
natActiveRoutes [Nat Active Routes] (vRtrNatActiveRoutes)	long	The value of vRtrNatActiveRoutes indicates the current number of IPv4 NAT routes for this instance of the route table.
natRoutes [Nat Routes] (vRtrNatRoutes)	long	The value of vRtrNatRoutes indicates the current number of IPv4 NAT (Network Address Translation) routes for this instance of the route table.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
perActiveRoutes [Per Active Routes] (vRtrPeriodicActiveRoutes)	long	The value of vRtrPeriodicActiveRoutes indicates the current number of active periodic routes for this instance of the route table.
perRoutes [Per Routes] (vRtrPeriodicRoutes)	long	The value of vRtrPeriodicRoutes indicates the current number of periodic routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIifs)	long	vRtrStatActiveIifs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIifs)	long	vRtrStatConfiguredIifs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
statBGPEVPNARPEntries [Stat BGPEVPNARPEntries] (vRtrStatBGPEVPNARPEntries)	long	The value of vRtrStatBGPEVPNARPEntries indicates the total number of BGP EVPN ARP entries for the specified virtual router in the system.
statBGPEvpnActiveRoutes [Stat BGPEvpn Active Routes] (vRtrStatBGPEvpnActiveRoutes)	long	The value of vRtrStatBGPEvpnActiveRoutes indicates the total number of active IPv4 BGP EVPN route entries for the specified virtual router in the system.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statBGPEvpnRoutes [Stat BGPEvpn Routes] (vRtrStatBGPEvpnRoutes)	long	The value of vRtrStatBGPEvpnRoutes indicates the total number of IPv4 BGP EVPN route entries for the specified virtual router in the system.
statBGPLabelV4ActiveRoutes [Stat BGPLabel V4 Active Routes] (vRtrStatBGPLabelV4ActiveRoutes)	long	The value of vRtrStatBGPLabelV4ActiveRoutes indicates the total number of active labeled IPv4 BGP route entries for the specified virtual router in the system.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticArpEntries [Static Arp Entries] (vRtrStatStaticARPEnties)	long	The value of vRtrStatStaticARPEnties indicates the total number of active and inactive static ARP entries for the specified virtual router in the system.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
subMgmtActiveRoutes [Sub Mgmt Active Routes] (vRtrSubMgmtActiveRoutes)	long	The value of vRtrSubMgmtActiveRoutes indicates the number of active subscriber management routes.
subMgmtRoutes [Sub Mgmt Routes] (vRtrSubMgmtRoutes)	long	The value of vRtrSubMgmtRoutes indicates the total number of subscriber management routes in the route Table.
totalARPEnties [Total ARPEnties] (vRtrStatTotalARPEnties)	long	vRtrStatTotalARPEnties indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalMplsTpTunnels [Total Mpls Tp Tunnels] (vRtrStatTotalMplsTpTunnels)	long	vRtrStatTotalMplsTpTunnels indicates the current number of both active and inactive MPLS-TP tunnels.
totalRsvpTunnels [Total Rsvp Tunnels] (vRtrStatTotalRsvpTunnels)	long	The value of vRtrStatTotalRsvpTunnels indicates the current number of both active and inactive RSVP tunnels.
vpnLeakActiveRoutes [Vpn Leak Active Routes] (vRtrVPNLeakActiveRoutes)	long	vRtrVPNLeakActiveRoutes indicates the current number of active VPN Leak routes for this instance of the route table.
vpnLeakRoutes [Vpn Leak Routes] (vRtrVPNLeakRoutes)	long	vRtrVPNLeakRoutes indicates the current number of VPN Leak routes for this instance of the route table.
<p>V6RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
statBGPLabelV6ActiveRoutes [Stat BGPLabel V6 Active Routes] (vRtrStatBGPLabelV6ActiveRoutes)	long	The value of vRtrStatBGPLabelV6ActiveRoutes indicates the total number of active labeled IPv6 BGP route entries for the specified virtual router in the system.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ActiveNbrEntries [V6 Active Nbr Entries] (vRtrV6StatActiveNbrEntries)	long	vRtrV6StatActiveNbrEntries indicates the number of active V6 neighbor discovery entries for the specified virtual router in the system.
v6ActiveRsvpTunnels [V6 Active Rsvp Tunnels] (vRtrV6StatActiveRsvpTunnels)	long	The value of vRtrV6StatActiveRsvpTunnels indicates the current number of IPv6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'rsvp'.
v6AggregateActiveRoutes [V6 Aggregate Active Routes] (vRtrV6AggregateActiveRoutes)	long	vRtrV6AggregateActiveRoutes indicates the current number of active v6 aggregate routes for this instance of the route table.
v6AggregateRoutes [V6 Aggregate Routes] (vRtrV6AggregateRoutes)	long	vRtrV6AggregateRoutes indicates the current number of v6 aggregate routes for this instance of the route table.
v6BgpActiveRoutes [V6 Bgp Active Routes] (vRtrV6BGPAciveRoutes)	long	vRtrV6BGPAciveRoutes indicates the current number of v6 active bgp routes for this instance of the route table.
v6BgpRoutes [V6 Bgp Routes] (vRtrV6BGPRoutes)	long	vRtrV6BGPRoutes indicates the current number of v6 bgp routes for this instance of the route table.
v6BgpVpnActiveRoutes [V6 Bgp Vpn Active Routes] (vRtrV6StatBGPVpnActiveRoutes)	long	vRtrV6StatBGPVpnActiveRoutes indicates the current number of active VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6BgpVpnRoutes [V6 Bgp Vpn Routes] (vRtrV6StatBGPVpnRoutes)	long	vRtrV6StatBGPVpnRoutes indicates the current number of VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6Dhcpv6NaActiveRoutes [V6 Dhcpv 6 Na Active Routes] (vRtrV6Dhcpv6NaActiveRoutes)	long	The value of vRtrV6Dhcpv6NaActiveRoutes indicates the current number of active IPv6 DHCPv6 non-temporary address routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6Dhcpv6NaRoutes [V6 Dhcpv 6 Na Routes] (vRtrV6Dhcpv6NaRoutes)	long	The value of vRtrV6Dhcpv6NaRoutes indicates the current number of IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6PdActiveRoutes [V6 Dhcpv 6 Pd Active Routes] (vRtrV6Dhcpv6PdActiveRoutes)	long	The value of vRtrV6Dhcpv6PdActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6PdExclActiveRoutes [V6 Dhcpv 6 Pd Excl Active Routes] (vRtrV6Dhcpv6PdExclActiveRoutes)	long	The value of vRtrV6Dhcpv6PdExclActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdExclRoutes [V6 Dhcpv 6 Pd Excl Routes] (vRtrV6Dhcpv6PdExclRoutes)	long	The value of vRtrV6Dhcpv6PdExclRoutes indicates the current number of IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdRoutes [V6 Dhcpv 6 Pd Routes] (vRtrV6Dhcpv6PdRoutes)	long	The value of vRtrV6Dhcpv6PdRoutes indicates the current number of IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6TaActiveRoutes [V6 Dhcpv 6 Ta Active Routes] (vRtrV6Dhcpv6TaActiveRoutes)	long	The value of vRtrV6Dhcpv6TaActiveRoutes indicates the current number of active IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6Dhcpv6TaRoutes [V6 Dhcpv 6 Ta Routes] (vRtrV6Dhcpv6TaRoutes)	long	The value of vRtrV6Dhcpv6TaRoutes indicates the current number of IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6DirectActiveRoutes [V6 Direct Active Routes] (vRtrV6DirectActiveRoutes)	long	vRtrV6DirectActiveRoutes indicates the current number of v6 active direct routes for this instance of the route table.
v6DirectRoutes [V6 Direct Routes] (vRtrV6DirectRoutes)	long	vRtrV6DirectRoutes indicates the current number of v6 direct routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6HostActiveRoutes [V6 Host Active Routes] (vRtrV6HostActiveRoutes)	long	The value of vRtrV6HostActiveRoutes indicates the current number of v6 active direct routes with prefix value 128 for this instance of the route table.
v6HostRoutes [V6 Host Routes] (vRtrV6HostRoutes)	long	The value of vRtrV6HostRoutes indicates the current number of v6 direct routes with prefix value 128 for this instance of the route table.
v6IllegalLabelsReceived [V6 Illegal Labels Received] (vRtrV6StatIllegalLabels)	long	vRtrV6StatIllegalLabels indicates the number of illegally received v6 labels on this virtual router.
v6IsisActiveRoutes [V6 Isis Active Routes] (vRtrV6ISISActiveRoutes)	long	vRtrV6ISISActiveRoutes indicates the current number of v6 active isis routes for this instance of the route table.
v6IsisRoutes [V6 Isis Routes] (vRtrV6ISISRoutes)	long	vRtrV6ISISRoutes indicates the current number of v6 isis routes for this instance of the route table.
v6LdpActiveTunnels [V6 Ldp Active Tunnels] (vRtrV6StatActiveLdpTunnels)	long	vRtrV6StatActiveLdpTunnels indicates the current number of v6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.
v6LdpTunnels [V6 Ldp Tunnels] (vRtrV6StatTotalLdpTunnels)	long	vRtrV6StatTotalLdpTunnels indicates the current number of both active and inactive v6 LDP tunnels.
v6ManagedActiveRoutes [V6 Managed Active Routes] (vRtrV6ManagedActiveRoutes)	long	The value of vRtrV6ManagedActiveRoutes indicates the total number of active IPv6 managed routes for the specified virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrV6ManagedRoutes)	long	The value of vRtrV6ManagedRoutes indicates the total number of active and inactive IPv6 managed routes for the specified virtual router.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6MulticastRoutes [V6 Multicast Routes] (vRtrV6MulticastRoutes)	long	vRtrV6MulticastRoutes indicates the current number of v6 rows in the vRtrPimNgGrpSrcTable.
v6MulticastStatBGPEvpnActiveRoutes [V6 Multicast Stat BGPEvpn Active Routes] (vRtrMcastIpv6StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv6StatBGPEvpnActvRts indicates the total number of active IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6MulticastStatBGPEvpnRoutes [V6 Multicast Stat BGPEvpn Routes] (vRtrMcastIpv6StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv6StatBGPEvpnRoutes indicates the total number of IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6NatActiveRoutes [V6 Nat Active Routes] (vRtrV6NatActiveRoutes)	long	The value of vRtrV6NatActiveRoutes indicates the current number of IPv6 active NAT routes for this instance of the route table.
v6NatRoutes [V6 Nat Routes] (vRtrV6NatRoutes)	long	The value of vRtrV6NatRoutes indicates the current number of IPv6 NAT routes for this instance of the route table.
v6OspfActiveRoutes [V6 Ospf Active Routes] (vRtrV6OSPFActiveRoutes)	long	vRtrV6OSPFActiveRoutes indicates the current number of v6 active ospf routes for this instance of the route table.
v6OspfRoutes [V6 Ospf Routes] (vRtrV6OSPFRoutes)	long	vRtrV6OSPFRoutes indicates the current number of v6 ospf routes for this instance of the route table.
v6PerActiveRoutes [V6 Per Active Routes] (vRtrV6PeriodicActiveRoutes)	long	The value of vRtrV6PeriodicActiveRoutes indicates the current number of active IPv6 periodic routes for this instance of the route table.
v6PerRoutes [V6 Per Routes] (vRtrV6PeriodicRoutes)	long	The value of vRtrV6PeriodicRoutes indicates the current number of IPv6 periodic routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RipActiveRoutes [V6 Rip Active Routes] (vRtrV6RIPActiveRoutes)	long	vRtrV6RIPActiveRoutes indicates the current number of active v6 rip routes for this instance of the route table.
v6RipRoutes [V6 Rip Routes] (vRtrV6RIPRoutes)	long	vRtrV6RIPRoutes indicates the current number of v6 rip routes for this instance of the route table.
v6RouterInterfacesActive [V6 Router Interfaces Active] (vRtrV6StatActiveIfs)	long	vRtrV6StatActiveIfs indicates the current number of v6 router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
v6RouterInterfacesConfigured [V6 Router Interfaces Configured] (vRtrV6StatConfiguredIfs)	long	vRtrV6StatConfiguredIfs indicates the current number of v6 router interfaces configured on this virtual router.
v6RoutesInVrf [V6 Routes In Vrf] (vRtrV6StatCurrNumRoutes)	long	vRtrV6StatCurrNumRoutes indicates the current number of v6 routes in the VRF for this virtual router.
v6SdpActiveTunnels [V6 Sdp Active Tunnels] (vRtrV6StatActiveSdpTunnels)	long	vRtrV6StatActiveSdpTunnels indicates the current number of v6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
v6SdpTunnels [V6 Sdp Tunnels] (vRtrV6StatTotalSdpTunnels)	long	vRtrV6StatTotalSdpTunnels indicates the current number of both active and inactive v6 SDP tunnels.
v6StatBGPEvpnActiveRoutes [V6 Stat BGPEvpn Active Routes] (vRtrV6StatBGPEvpnActiveRoutes)	long	The value of vRtrV6StatBGPEvpnActiveRoutes indicates the total number of active IPv6 BGP EVPN route entries for the specified virtual router in the system.
v6StatBGPEvpnRoutes [V6 Stat BGPEvpn Routes] (vRtrV6StatBGPEvpnRoutes)	long	The value of vRtrV6StatBGPEvpnRoutes indicates the total number of IPv6 BGP EVPN route entries for the specified virtual router in the system.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6StaticActiveRoutes [V6 Static Active Routes] (vRtrV6StaticActiveRoutes)	long	vRtrV6StaticActiveRoutes indicates the current number of v6 active static routes for this instance of the route table.
v6StaticRoutes [V6 Static Routes] (vRtrV6StaticRoutes)	long	vRtrV6StaticRoutes indicates the current number of v6 static routes for this instance of the route table.
v6SubMgmtActiveRoutes [V6 Sub Mgmt Active Routes] (vRtrV6SubMgmtActiveRoutes)	long	vRtrV6SubMgmtActiveRoutes indicates the current number of v6 active subscriber management routes for this instance of the route table.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrV6SubMgmtRoutes)	long	vRtrV6SubMgmtRoutes indicates the current number of v6 subscriber management routes for this instance of the route table.
v6TotalNbrEntries [V6 Total Nbr Entries] (vRtrV6StatTotalNbrEntries)	long	vRtrV6StatTotalNbrEntries indicates the total number of active and inactive v6 neighbor discovery entries for the specified virtual router in the system.
v6TotalRsvpTunnels [V6 Total Rsvp Tunnels] (vRtrV6StatTotalRsvpTunnels)	long	The value of vRtrV6StatTotalRsvpTunnels indicates the current number of both active and inactive IPv6 RSVP tunnels.
v6VpnLeakActiveRoutes [V6 Vpn Leak Active Routes] (vRtrV6VPNLeakActiveRoutes)	long	vRtrV6VPNLeakActiveRoutes indicates the current number of v6 active VPN Leak routes for this instance of the route table.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrV6VPNLeakRoutes)	long	vRtrV6VPNLeakRoutes indicates the current number of v6 VPN Leak routes for this instance of the route table.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpDynDetectionTime)	long	The value of vRtrIfDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for given protocol.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpDynHoldDown)	int	The value of vRtrIfDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for given protocol.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpDynAllocated)	boolean	The value of vRtrIfDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (vRtrIfDcpFpDynExcdCount)	java. math. BigInteger	The value of vRtrIfDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for a given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (vRtrIfDcpFpDynState)	int	The value of vRtrIfDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (vRtrIfDcpFpProtocol)	int	The value of vRtrIfDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
<p>VRtrIfDcpFpLocMonPlcrStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpLocMonAllDynAlloc)	boolean	The value of vRtrIfDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (vRtrIfDcpFpLocMonExcdCount)	java.math. BigInteger	The value of vRtrIfDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpLocMonPlcrName)	String	The value of vRtrIfDcpFpLocMonPlcrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpLocMonState)	int	The value of vRtrIfDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpStaticDetectionTime)	long	The value of vRtrIfDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpStaticHoldDown)	int	The value of vRtrIfDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pktsExcd [Pkts Excd] (vRtrIfDcpFpStaticExcdCount)	java. math. BigInteger	The value of vRtrIfDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpStaticPlcrName)	String	The value of vRtrIfDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpStaticState)	int	The value of vRtrIfDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6InStats</p> <p>MIB entry name: vRtrIflcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIflcmp6InDestUnreachs)	long	The value of vRtrIflcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIflcmp6InEchoReplies)	long	The value of vRtrIflcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIflcmp6InEchos)	long	The value of vRtrIflcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIflcmp6InErrors)	long	The value of vRtrIflcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIflcmp6InNbrAdvertisements)	long	The value of vRtrIflcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIflcmp6InNbrSolicits)	long	The value of vRtrIflcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats</p> <p>MIB entry name: vRtrIflcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIfIcmp6OutPktTooBigs)	long	The value of vRtrIfIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIfIcmp6OutRedirects)	long	The value of vRtrIfIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIfIcmp6OutRtrAdvertisements)	long	The value of vRtrIfIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIfIcmp6OutRtrSolicits)	long	The value of vRtrIfIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIfIcmp6OutTimeExcds)	long	The value of vRtrIfIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBig)	long	The value of vRtrIcmp6InPktTooBig indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.

Table 497 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 498 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)'}). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFWBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession 		

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'InProgress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime indicates the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStatsIntvlNum)	long	The value of tmnxOamPmStatsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStatsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>TwampSrvSessionStats</p> <p>MIB entry name: tmnxTwampSrvSessStatsEntry</p> <p>Entry description: tmnxTwampSrvSessStatsEntry contains read-only information about a TWAMP test session known to the TWAMP server. A row is created when the TWAMP server accepts a session request. A row is destroyed when the session is fully torn down.</p> <p>Table description (for tmnxTwampSrvSessStatsTable): tmnxTwampSrvSessStatsTable contains read-only information about the TWAMP test sessions known to the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwampSrvSession</p>		
operStat [Oper Stat] (tmnxTwampSrvSessOperState)	int	The value of tmnxTwampSrvSessOperState indicates the operational state of the specified session. Code points: create (1) - the session has been created, but it has not yet been started active (2) - the session is active (e.g. the Session-Sender is sending TWAMP-Test PDUs) stop (3) - the session is waiting to terminate (i.e. the Session-Reflector has received a TWAMP Stop-Sessions PDU, and is waiting for a timer expiry)
reflectorAddrType [Reflector Addr Type] (tmnxTwampSrvSessReflectorAddrTyp)	int	The value of tmnxTwampSrvSessReflectorAddrTyp indicates the address type of tmnxTwampSrvSessReflectorAddress.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reflectorAddress [Reflector Address] (tmnxTwampSrvSessReflectorAddress)	String	The value of tmnxTwampSrvSessReflectorAddress indicates the address of the specified session's TWAMP Session-Reflector.
reflectorUDPPort [Reflector UDPPort] (tmnxTwampSrvSessReflectorUdpPort)	int	The value of tmnxTwampSrvSessReflectorUdpPort indicates the UDP listen port of the specified session's TWAMP Session-Reflector.
senderAddrType [Sender Addr Type] (tmnxTwampSrvSessSenderAddrType)	int	The value of tmnxTwampSrvSessSenderAddrType indicates the address type of tmnxTwampSrvSessSenderAddress.
senderAddress [Sender Address] (tmnxTwampSrvSessSenderAddress)	String	The value of tmnxTwampSrvSessSenderAddress indicates the address of the specified session's TWAMP Session-Sender.
senderUDPPort [Sender UDPPort] (tmnxTwampSrvSessSenderUdpPort)	int	The value of tmnxTwampSrvSessSenderUdpPort indicates the value present in the Source UDP port field of test packets sent by the specified session's TWAMP Session-Sender.
sessionId [Session Id] (tmnxTwampSrvSessID)	String	The value of tmnxTwampSrvSessID indicates the session identifier (SID) for the specified session.
sessionSequenceNumber [Session Sequence Number] (tmnxTwampSrvSessSeqNum)	long	The value of tmnxTwampSrvSessSeqNum specifies this TWAMP test session's sequence number. A client address, a connection sequence number, and a session sequence number identify a session. When the TWAMP server accepts the first session request from a particular client and connection, sequence number 1 is assigned to the session. The second session request accepted from the same client and connection is assigned sequence number 2, etc. The sequence number assigned after 4294967295 is 1.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.
<p>TwLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwlEntry</p> <p>Entry description: tmnxOamPmStsLossTwlEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmStsBaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwlTable): tmnxOamPmStsLossTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwiAvailIndBwd)	long	The value of tmnxOamPmStsLossTwiAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwiAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwiAvailIndFwd)	long	The value of tmnxOamPmStsLossTwiAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwiAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwiAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwiAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwiAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwiAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwiChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwiChliBwd)	long	The value of tmnxOamPmStsLossTwiChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwiChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwiChliFwd)	long	The value of tmnxOamPmStsLossTwiChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwiHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwiHliBwd)	long	The value of tmnxOamPmStsLossTwiHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwiHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwiHliFwd)	long	The value of tmnxOamPmStsLossTwiHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwlRxBwd)	long	The value of tmnxOamPmStsLossTwlRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwlRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwlRxFwd)	long	The value of tmnxOamPmStsLossTwlRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwITxBwd [Pm Twl Tx Bwd] (tmnxOamPmStsLossTwITxBwd)	long	The value of tmnxOamPmStsLossTwITxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwITxFwd [Pm Twl Tx Fwd] (tmnxOamPmStsLossTwITxFwd)	long	The value of tmnxOamPmStsLossTwITxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwlUnavailIndBwd [Pm Twl Unavail Ind Bwd] (tmnxOamPmStsLossTwlUnavlIndBwd)	long	The value of tmnxOamPmStsLossTwlUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmTwlUnavailIndFwd [Pm Twl Unavail Ind Fwd] (tmnxOamPmStsLossTwlUnavlIndFwd)	long	The value of tmnxOamPmStsLossTwlUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwlUndtAvlBwd [Pm Twl Undt Avl Bwd] (tmnxOamPmStsLossTwlUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwlUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 498 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwlRflFramesRx)	long	The value of tmnxOamPmStsTwlRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwlRflFramesTx)	long	The value of tmnxOamPmStsTwlRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwlRflUpTime)	long	The value of tmnxOamPmStsTwlRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 499 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
EgressAccessQDepthInfo MIB entry name: sapEgrQosQueueDepthInfoEntry Entry description: The value of sapEgrQosQueueDepthInfoEntry represents queue-depth monitoring information for SAP egress override queue for which the value of sapEgrQosQMonitorDepth is set to 'true (1)'. Table description (for sapEgrQosQueueDepthInfoTable): The value of sapEgrQosQueueDepthInfoTable has an entry for each SAP egress override queue for which the value of sapEgrQosQMonitorDepth is set to 'true (1)'. Supports realtime plotting Supports scheduled collection Monitored class: service.EgressAccessPolicyQueueOverride		
depthAvgElpsdTime [Depth Avg Elpsd Time] (sapEgrQosQueueDepthAvgElpsdTme)	String	The value of sapEgrQosQueueDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (sapEgrQosQueueDepthAvgPollInt)	long	The value of sapEgrQosQueueDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (sapEgrQosQueueDepthPollPrct1)	double	The value of sapEgrQosQueueDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (sapEgrQosQueueDepthPollPrct10)	double	The value of sapEgrQosQueueDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (sapEgrQosQueueDepthPollPrct2)	double	The value of sapEgrQosQueueDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (sapEgrQosQueueDepthPollPrct3)	double	The value of sapEgrQosQueueDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (sapEgrQosQueueDepthPollPrct4)	double	The value of sapEgrQosQueueDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (sapEgrQosQueueDepthPollPrct5)	double	The value of sapEgrQosQueueDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (sapEgrQosQueueDepthPollPrct6)	double	The value of sapEgrQosQueueDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct7 [Depth Poll Prct 7] (sapEgrQosQueueDepthPollPrct7)	double	The value of sapEgrQosQueueDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (sapEgrQosQueueDepthPollPrct8)	double	The value of sapEgrQosQueueDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (sapEgrQosQueueDepthPollPrct9)	double	The value of sapEgrQosQueueDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.
<p>GroupInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ies.GroupInterface • vprn.GroupInterface </p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>IngressAccessQDepthInfo MIB entry name: sapIngQosQueueDepthInfoEntry Entry description: The value of sapIngQosQueueDepthInfoEntry represents queue-depth monitoring information for SAP ingress override queue for which the value of sapIngQosQMonitorDepth is set to 'true (1)'. Table description (for sapIngQosQueueDepthInfoTable): The value of sapIngQosQueueDepthInfoTable has an entry for each SAP ingress override queue for which the value of sapIngQosQMonitorDepth is set to 'true (1)'. Supports realtime plotting Supports scheduled collection Monitored class: service.IngressAccessPolicyQueueOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (sapIngQosQueueDepthAvgElpsdTme)	String	The value of sapIngQosQueueDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (sapIngQosQueueDepthAvgPollInt)	long	The value of sapIngQosQueueDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (sapIngQosQueueDepthPollPrct1)	double	The value of sapIngQosQueueDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (sapIngQosQueueDepthPollPrct10)	double	The value of sapIngQosQueueDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct2 [Depth Poll Prct 2] (sapIngQosQueueDepthPollPrct2)	double	The value of sapIngQosQueueDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (sapIngQosQueueDepthPollPrct3)	double	The value of sapIngQosQueueDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (sapIngQosQueueDepthPollPrct4)	double	The value of sapIngQosQueueDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (sapIngQosQueueDepthPollPrct5)	double	The value of sapIngQosQueueDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (sapIngQosQueueDepthPollPrct6)	double	The value of sapIngQosQueueDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (sapIngQosQueueDepthPollPrct7)	double	The value of sapIngQosQueueDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (sapIngQosQueueDepthPollPrct8)	double	The value of sapIngQosQueueDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (sapIngQosQueueDepthPollPrct9)	double	The value of sapIngQosQueueDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L3AccessInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.L3AccessInterface</p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppoeSapStats</p> <p>MIB entry name: tmnxPppoeSapStatsEntry</p> <p>Entry description: PPPoE statistics about a SAP.</p> <p>Table description (for tmnxPppoeSapStatsTable): A table that contains statistics on PPPoE per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.L2AccessInterface • vprn.ServiceAccessPoint 		
pppoeSapReceivedDropped [Pppoe Sap Received Dropped] (tmnxPppoeSapRxDropped)	long	The value of tmnxPppoeSapRxDropped indicates the number of dropped PPPoE packets.
pppoeSapReceivedInvalidAcCookie [Pppoe Sap Received Invalid Ac Cookie] (tmnxPppoeSapRxInvalidAcCookie)	long	The value of tmnxPppoeSapRxInvalidAcCookie indicates the number of PPPoE Active Discovery packets received with an invalid AC-Cookie tag.
pppoeSapReceivedInvalidCode [Pppoe Sap Received Invalid Code] (tmnxPppoeSapRxInvalidCode)	long	The value of tmnxPppoeSapRxInvalidCode indicates the number of PPPoE packets received with an invalid code field.
pppoeSapReceivedInvalidLen [Pppoe Sap Received Invalid Len] (tmnxPppoeSapRxInvalidLen)	long	The value of tmnxPppoeSapRxInvalidLen indicates the number of PPPoE packets received with an invalid length field.
pppoeSapReceivedInvalidMac [Pppoe Sap Received Invalid Mac] (tmnxPppoeSapRxInvalidMac)	long	The value of tmnxPppoeSapRxInvalidMac indicates the number of PPPoE packets received with an invalid MAC address.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapReceivedInvalidSession [Pppoe Sap Received Invalid Session] (tmnxPppoeSapRxInvalidSession)	long	The value of tmnxPppoeSapRxInvalidSession indicates the number of PPPoE packets received with an invalid session-id field.
pppoeSapReceivedInvalidTags [Pppoe Sap Received Invalid Tags] (tmnxPppoeSapRxInvalidTags)	long	The value of tmnxPppoeSapRxInvalidTags indicates the number of PPPoE Active Discovery packets received with invalid tags.
pppoeSapReceivedInvalidType [Pppoe Sap Received Invalid Type] (tmnxPppoeSapRxInvalidType)	long	The value of tmnxPppoeSapRxInvalidType indicates the number of PPPoE packets received with an invalid type field.
pppoeSapReceivedInvalidVersion [Pppoe Sap Received Invalid Version] (tmnxPppoeSapRxInvalidVersion)	long	The value of tmnxPppoeSapRxInvalidVersion indicates the number of PPPoE packets received with an invalid version field.
pppoeSapReceivedPADI [Pppoe Sap Received PADI] (tmnxPppoeSapRxPadi)	long	The value of tmnxPppoeSapRxPadi indicates the number of PADI (PPPoE Active Discovery Initiation) packets received on this SAP.
pppoeSapReceivedPADR [Pppoe Sap Received PADR] (tmnxPppoeSapRxPadr)	long	The value of tmnxPppoeSapRxPadr indicates the number of PADR (PPPoE Active Discovery Request) packets received on this SAP.
pppoeSapReceivedPADT [Pppoe Sap Received PADT] (tmnxPppoeSapRxPadt)	long	The value of tmnxPppoeSapRxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets received on this SAP.
pppoeSapReceivedSession [Pppoe Sap Received Session] (tmnxPppoeSapRxSession)	long	The value of tmnxPppoeSapRxSession indicates the number packets received during the PPP session stage on this SAP.
pppoeSapTransmittedPADO [Pppoe Sap Transmitted PADO] (tmnxPppoeSapTxPado)	long	The value of tmnxPppoeSapTxPado indicates the number of PADO (PPPoE Active Discovery Offer) packets transmitted on this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapTransmittedPADS [Pppoe Sap Transmitted PADS] (tmnxPppoeSapTxPads)	long	The value of tmnxPppoeSapTxPads indicates the number of PADS (PPPoE Active Discovery Session) packets transmitted on this SAP.
pppoeSapTransmittedPADT [Pppoe Sap Transmitted PADT] (tmnxPppoeSapTxPadt)	long	The value of tmnxPppoeSapTxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets transmitted on this SAP.
pppoeSapTransmittedSession [Pppoe Sap Transmitted Session] (tmnxPppoeSapTxSession)	long	The value of tmnxPppoeSapTxSession indicates the number packets transmitted during the PPP session stage on this SAP.
SapAtmPppStats MIB entry name: sapAtmPppStatsEntry Entry description: PPP statistics about a specific ATM SAP. Table description (for sapAtmPppStatsTable): A table that contains ATM SAP PPP statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 		
rxDropped [Rx Dropped] (sapAtmPppStatsRxDropped)	long	The value of sapAtmPppStatsRxDropped indicates the number of PPP packets dropped on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.
rxPackets [Rx Packets] (sapAtmPppStatsRxPackets)	long	The value of sapAtmPppStatsRxPackets indicates the number of PPP packets received on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPackets [Tx Packets] (sapAtmPppStatsTxPackets)	long	The value of sapAtmPppStatsTxPackets indicates the number of PPP packets transmitted on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInte- ger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchip- DroppedPackets)	java. math. BigInte- ger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOf- feredHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOf- feredHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOf- feredLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOf- feredLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOf- feredUncoloredOctets)	java. math. BigInte- ger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingressRcvdValidOcts [Ingress Rcvd Valid Octs] (sapBaseStatsIngPchipRcvdValidOct)	java. math. BigInte- ger	The value of sapBaseStatsIngPchipRcvdValidOct indicates number of received valid octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressRcvdValidPkts [Ingress Rcvd Valid Pkts] (sapBaseStatsIngPchipRcvdValidPkt)	java. math. BigInte- ger	The value of sapBaseStatsIngPchipRcvdValidPkt indicates number of received valid packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectionTime [Detection Time] (sapDcpFpDynDetectionTime)	long	The value of sapDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for a given protocol.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpDynHoldDown)	int	The value of sapDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for a given protocol.
isAllocated [Is Allocated] (sapDcpFpDynAllocated)	boolean	The value of sapDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (sapDcpFpDynExcdCount)	java.math. BigInteger	The value of sapDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for the given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (sapDcpFpDynState)	int	The value of sapDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (sapDcpFpProtocol)	int	The value of sapDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpLocMonPlcrStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
isAllocated [Is Allocated] (sapDcpFpLocMonAllDynAlloc)	boolean	The value of sapDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (sapDcpFpLocMonExcdCount)	java.math.BigInteger	The value of sapDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpLocMonPlicrName)	String	The value of sapDcpFpLocMonPlicrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (sapDcpFpLocMonState)	int	The value of sapDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (sapDcpFpStaticDetectionTime)	long	The value of sapDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpStaticHoldDown)	int	The value of sapDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
pktsExcd [Pkts Excd] (sapDcpFpStaticExcdCount)	java. math. BigInteger	The value of sapDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpStaticPlcrName)	String	The value of sapDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
policerState [Policer State] (sapDcpFpStaticState)	int	The value of sapDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup		
custId [Cust Id] (sapEgrEGBaseStCustId)	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
dPdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats</p> <p>MIB entry name: sapEgrEGMbrQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP.</p> <p>Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats MIB entry name: sapEgrEGMbrSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP. Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats MIB entry name: sapEgrEGSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP. Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octs H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octs L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosArbiterStats</p> <p>MIB entry name: sapEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapEgrQosArbitStatsTable): The sapEgrQosArbitStatsTable contains egress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (sapEgrQosArbitStatsName)	String	The value of sapEgrQosArbitStatsName specifies the egress QoS arbiter of this SAP.
sapEgrQosArbitStatsFwdOcts [Sap Egr Qos Arbit Stats Fwd Octs] (sapEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
sapEgrQosArbitStatsFwdPkts [Sap Egr Qos Arbit Stats Fwd Pkts] (sapEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
<p>SapEgrQosHsmdaCntrStats</p> <p>MIB entry name: sapEgrQosHsmdaCntrStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS HSMDA counter.</p> <p>Table description (for sapEgrQosHsmdaCntrStatsTable): A table that contains egress QoS HSMDA counter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
sapEgrHsmdaCntrStCounterId [Sap Egr Hsmda Cntr St Counter Id] (sapEgrHsmdaCntrStCntrId)	long	The value of sapEgrHsmdaCntrStCntrId indicates the counter ID for the statistics.
sapEgrHsmdaCntrStCustomerId [Sap Egr Hsmda Cntr St Customer Id] (sapEgrHsmdaCntrStCustId)	long	The value of sapEgrHsmdaCntrStCustId indicates the customer ID for the statistics.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaCntrStInProfOctetsDropped [Sap Egr Hsmda Cntr St In Prof Octets Dropped] (sapEgrHsmdaCntrStInProfOctDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfOctDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfileOctetsFwd [Sap Egr Hsmda Cntr St In Profile Octets Fwd] (sapEgrHsmdaCntrStInProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfOctFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfilePacketsDropped [Sap Egr Hsmda Cntr St In Profile Packets Dropped] (sapEgrHsmdaCntrStInProfPktDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfPktDrop indicates the number of in-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfilePacketsFwd [Sap Egr Hsmda Cntr St In Profile Packets Fwd] (sapEgrHsmdaCntrStInProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfPktFwd indicates the number of in-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfileOctetsDropped [Sap Egr Hsmda Cntr St Out Profile Octets Dropped] (sapEgrHsmdaCntrStOutProfOctDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfOctDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfileOctetsFwd [Sap Egr Hsmda Cntr St Out Profile Octets Fwd] (sapEgrHsmdaCntrStOutProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfOctFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaCntrStOutProfilePacketsDropped [Sap Egr Hsmda Cntr St Out Profile Packets Dropped] (sapEgrHsmdaCntrStOutProfPktDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfPktDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapInHsmdaCntrStCntrId, on this SAP.
sapEgrHsmdaCntrStOutProfilePacketsFwd [Sap Egr Hsmda Cntr St Out Profile Packets Fwd] (sapEgrHsmdaCntrStOutProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfPktFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapInHsmdaCntrStCntrId, on this SAP.
<p>SapEgrQosHsmdaQueueStats</p> <p>MIB entry name: sapEgrQosHsmdaQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS HSMDA queue.</p> <p>Table description (for sapEgrQosHsmdaQueueStatsTable): A table that contains egress QoS HSMDA queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
sapEgrHsmdaQStatCustomerId [Sap Egr Hsmda QStat Customer Id] (sapEgrHsmdaQStatCustId)	long	The value of sapEgrHsmdaQStatCustId indicates the customer ID for the statistics.
sapEgrHsmdaQStatInProfileOctetsDropped [Sap Egr Hsmda QStat In Profile Octets Dropped] (sapEgrHsmdaQStatInProfOctDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfOctDropd indicates the number of out-of-profile packets dropped on egress on this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaQStatInProfileOctetsFwd [Sap Egr Hsmda QStat In Profile Octets Fwd] (sapEgrHsmdaQStatInProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfOctFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatInProfilePacketsDropped [Sap Egr Hsmda QStat In Profile Packets Dropped] (sapEgrHsmdaQStatInProfPktDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfPktDropd indicates the number of in-profile packets dropped on egress on this SAP.
sapEgrHsmdaQStatInProfilePacketsFwd [Sap Egr Hsmda QStat In Profile Packets Fwd] (sapEgrHsmdaQStatInProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfPktFwd indicates the number of in-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatOutProfileOctetsDropped [Sap Egr Hsmda QStat Out Profile Octets Dropped] (sapEgrHsmdaQStatOutProfOctDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfOctDropd indicates the number of out-of-profile packets dropped on egress on this SAP.
sapEgrHsmdaQStatOutProfileOctetsFwd [Sap Egr Hsmda QStat Out Profile Octets Fwd] (sapEgrHsmdaQStatOutProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfOctFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatOutProfilePacketsDropped [Sap Egr Hsmda QStat Out Profile Packets Dropped] (sapEgrHsmdaQStatOutProfPktDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfPktDropd indicates the number of out-of-profile packets dropped on egress on this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaQStatOutProfilePacketsFwd [Sap Egr Hsmda QStat Out Profile Packets Fwd] (sapEgrHsmdaQStatOutProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfPktFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
<p>SapEgrQosPolicerStats MIB entry name: sapEgrQosPolicerStatsEntry Entry description: Egress statistics about a specific SAP's QoS policer. Table description (for sapEgrQosPolicerStatsTable): A table that contains egress QoS policer SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
sapEgrQosPStatsCustId [Sap Egr Qos PStats Cust Id] (sapEgrQosPStatsCustId)	long	The Customer ID for the associated service.
sapEgrQosPStatsDrpInPlusProfOcts [Sap Egr Qos PStats Drp In Plus Prof Octets] (sapEgrQosPStatsDrpInPlusProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsDrpInPlusProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
sapEgrQosPStatsDrpInPlusProfPkts [Sap Egr Qos PStats Drp In Plus Prof Pkts] (sapEgrQosPStatsDrpInPlusProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsDrpInPlusProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.
sapEgrQosPStatsFwdInPlusProfOcts [Sap Egr Qos PStats Fwd In Plus Prof Octets] (sapEgrQosPStatsFwdInPlusProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsFwdInPlusProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrQosPStatsFwdInPlusProfPkts [Sap Egr Qos PStats Fwd In Plus Prof Pkts] (sapEgrQosPStatsFwdInPlusProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsFwdInPlusProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.
sapEgrQosPStatsMode [Sap Egr Qos PStats Mode] (sapEgrQosPStatsMode)	int	The value of sapEgrQosPStatsMode indicates the stat mode used by the policer.
sapEgrQosPStatsOffExdProfOcts [Sap Egr Qos PStats Off Exd Prof Octs] (sapEgrQosPStatsOffExdProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.
sapEgrQosPStatsOffExdProfPkts [Sap Egr Qos PStats Off Exd Prof Pkts] (sapEgrQosPStatsOffExdProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.
sapEgrQosPStatsOffInPlusProfOcts [Sap Egr Qos PStats Off In Plus Prof Octs] (sapEgrQosPStatsOffInPlusProfOcts)	java. math. BigInteger	The value of sapEgrQosPStatsOffInPlusProfOcts indicates the number of inplus-profile octets offered by the egress Pchip.
sapEgrQosPStatsOffInPlusProfPkts [Sap Egr Qos PStats Off In Plus Prof Pkts] (sapEgrQosPStatsOffInPlusProfPkts)	java. math. BigInteger	The value of sapEgrQosPStatsOffInPlusProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
sapEgrQosPStatsPolId [Sap Egr Qos PStats Pol Id] (sapEgrQosPStatsPolId)	long	The index of the egress QoS queue of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdEgrQosArbitStatsTable): The sapPortIdEgrQosArbitStatsTable contains egress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdEgrQosArbitName)	String	The value of sapPortIdEgrQosArbitName is used as an index of the egress QoS arbiter of this SAP.
sapEgrQosAssignmentPortId [Sap Egr Qos Assignment Port Id] (sapPortIdEgrPortId)	String	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
sapEgrQosPortIdArbitFwdOcts [Sap Egr Qos Port Id Arbit Fwd Octs] (sapPortIdEgrQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.
sapEgrQosPortIdArbitFwdPkts [Sap Egr Qos Port Id Arbit Fwd Pkts] (sapPortIdEgrQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats MIB entry name: sapEgrQosSchedStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosArbiterStats</p> <p>MIB entry name: sapIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapIngQosArbitStatsTable): The sapIngQosArbitStatsTable contains ingress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapIngQosArbitStatsName)	String	The value of sapIngQosArbitStatsName specifies the ingress QoS arbiter of this SAP.
sapIngQosArbitStatsFwdOcts [Sap Ing Qos Arbit Stats Fwd Octs] (sapIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.
sapIngQosArbitStatsFwdPkts [Sap Ing Qos Arbit Stats Fwd Pkts] (sapIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdIngQosArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdIngQosArbitStatsTable): The sapPortIdIngQosArbitStatsTable contains ingress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdIngQosArbitName)	String	The value of sapPortIdIngQosArbitName is used as an index of the ingress QoS arbiter of this SAP.
sapIngQosPortIdArbitFwdOcts [Sap Ing Qos Port Id Arbit Fwd Octs] (sapPortIdIngQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.
sapIngQosPortIdArbitFwdPkts [Sap Ing Qos Port Id Arbit Fwd Pkts] (sapPortIdIngQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosQueueStats</p> <p>MIB entry name: sapIngQosQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQoS SchedStats</p> <p>MIB entry name: sapIngQoS SchedStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQoS SchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQoS SchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
qoS SchedName [QoS Sched Name] (sapIngQoS SchedName)	String	The index of the ingress QoS scheduler of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
<p>SapPortIdEgrEGSchedStats</p> <p>MIB entry name: sapPortIdEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.
<p>SapV6HostStats</p> <p>MIB entry name: sapIpv6HostInfoEntry</p> <p>Entry description: IPv6 specific information for a routed CO subscriber SAP.</p> <p>Table description (for sapIpv6HostInfoTable): sapIpv6HostInfoTable contains IPv6 information related to a routed CO subscriber SAP. This table complements sapBaseInfoTable, and contains an entry for each routed CO subscriber SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.ServiceAccessPoint</p>		
ipoeDhcp6Hosts [Ipoe Dhcp 6 Hosts] (sapIpv6HostInfoIpoeDhcp6Hosts)	int	The value of the object sapIpv6HostInfoIpoeDhcp6Hosts indicates the number of IPoE DHCPv6 hosts for this SAP.
ipoeSLAACHosts [Ipoe SLAACHosts] (sapIpv6HostInfoIpoeSLAACHosts)	int	The value of the object sapIpv6HostInfoIpoeSLAACHosts indicates the number of IPoE SLAAC hosts for this SAP.
pppDhcp6Hosts [Ppp Dhcp 6 Hosts] (sapIpv6HostInfoPppDhcp6Hosts)	int	The value of the object sapIpv6HostInfoPppDhcp6Hosts indicates the number of PPP DHCPv6 hosts for this SAP.
pppSLAACHosts [Ppp SLAACHosts] (sapIpv6HostInfoPppSLAACHosts)	int	The value of the object sapIpv6HostInfoPppSLAACHosts indicates the number of PPP SLAAC hosts for this SAP.
staticHostsUp [Static Hosts Up] (sapIpv6HostInfoStaticHostsUp)	int	The value of the object sapIpv6HostInfoStaticHostsUp indicates the number of IPv6 static IPoE hosts for this SAP where the value of sapStatHost6AdminStatus is equal to 'up'.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
VdoGrpSrcAdiStats MIB entry name: tmnxVdoSGAdiStatEntry Entry description: An entry in the tmnxVdoSGAdiStatTable. Each entry represents a Ad Insert (ADI) server for the corresponding multicast group. Table description (for tmnxVdoSGAdiStatTable): The tmnxVdoSGAdiStatTable has an entry for each Ad Insert (ADI) server on the channel. This table contains ad server information and statistics. Does not support realtime plotting Supports scheduled collection Monitored class: service.ZoneAdiChl		
vdoSGAdiAbortReq [Vdo SGAdi Abort Req] (tmnxVdoSGAdiAbortReq)	long	The value of tmnxVdoSGAdiAbortReq indicates the total number of abort requests received from the Ad Insert (ADI) server.
vdoSGAdiAliveReq [Vdo SGAdi Alive Req] (tmnxVdoSGAdiAliveReq)	long	The value of tmnxVdoSGAdiAliveReq indicates the total number of alive messages received from the Ad Insert (ADI) server.
vdoSGAdiCueReq [Vdo SGAdi Cue Req] (tmnxVdoSGAdiCueReq)	long	The value of tmnxVdoSGAdiCueReq indicates the total number of total number of cue requests sent to the Ad Insert (ADI) server.
vdoSGAdiInitReq [Vdo SGAdi Init Req] (tmnxVdoSGAdiInitReq)	long	The value of tmnxVdoSGAdiInitReq indicates the total number of init requests received from the Ad Insert (ADI) server.
vdoSGAdiMaxPort [Vdo SGAdi Max Port] (tmnxVdoSGAdiMaxPort)	long	The value of tmnxVdoSGAdiMaxPort indicates the maximum ip port number where the Ad Insert (ADI) server's insertion stream is connected.
vdoSGAdiMinPort [Vdo SGAdi Min Port] (tmnxVdoSGAdiMinPort)	long	The value of tmnxVdoSGAdiMinPort indicates the minimum ip port number where the Ad Insert (ADI) server's insertion stream is connected.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiServerAddr [Vdo SGAdi Server Addr] (tmnxVdoSGAdiServerAddr)	String	The value of tmnxVdoSGAdiServerAddr indicates the address of Ad Insert (ADI) server on this channel.
vdoSGAdiServerAddrType [Vdo SGAdi Server Addr Type] (tmnxVdoSGAdiServerAddrType)	int	The value of tmnxVdoSGAdiServerAddrType indicates the type of Ad Insert (ADI) server address represented by tmnxVdoSGAdiServerAddr.
vdoSGAdiServerUptime [Vdo SGAdi Server Uptime] (tmnxVdoSGAdiServerUptime)	long	The value of tmnxVdoSGAdiServerUptime indicates the time in seconds since the connection with Ad Insert (ADI) server was established.
vdoSGAdiSpliceReq [Vdo SGAdi Splice Req] (tmnxVdoSGAdiSpliceReq)	long	The value of tmnxVdoSGAdiSpliceReq indicates the total number of splice requests received from the Ad Insert (ADI) server.
vdoSGAdiSucAbortResp [Vdo SGAdi Suc Abort Resp] (tmnxVdoSGAdiSucAbortResp)	long	The value of tmnxVdoSGAdiSucAbortResp indicates the total number of successful abort responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucAliveResp [Vdo SGAdi Suc Alive Resp] (tmnxVdoSGAdiSucAliveResp)	long	The value of tmnxVdoSGAdiSucAliveResp indicates the total number of successful alive messages sent to the Ad Insert (ADI) server.
vdoSGAdiSucCueResp [Vdo SGAdi Suc Cue Resp] (tmnxVdoSGAdiSucCueResp)	long	The value of tmnxVdoSGAdiSucCueResp indicates the total number of successful cue responses received from the Ad Insert (ADI) server.
vdoSGAdiSucInitResp [Vdo SGAdi Suc Init Resp] (tmnxVdoSGAdiSucInitResp)	long	The value of tmnxVdoSGAdiSucInitResp indicates the total number of successful init responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucSpliceInCompResp [Vdo SGAdi Suc Splice In Comp Resp] (tmnxVdoSGAdiSucSpliceInCompResp)	long	The value of tmnxVdoSGAdiSucSpliceInCompResp indicates the total number of successful splice-in complete responses sent to the Ad Insert (ADI) server.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiSucSpliceOutCompResp [Vdo SGAdi Suc Splice Out Comp Resp] (tmnxVdoSGAdiSucSpliceOutCompResp)	long	The value of tmnxVdoSGAdiSucSpliceOutCompResp indicates the total number of successful splice-out complete responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucSpliceResp [Vdo SGAdi Suc Splice Resp] (tmnxVdoSGAdiSucSpliceResp)	long	The value of tmnxVdoSGAdiSucSpliceResp indicates the total number of successful splice responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnSucAliveResp [Vdo SGAdi Un Suc Alive Resp] (tmnxVdoSGAdiUnSucAliveResp)	long	The value of tmnxVdoSGAdiUnSucAliveResp indicates the total number of unsuccessful alive messages sent to the Ad Insert (ADI) server.
vdoSGAdiUnknownSCTE30Req [Vdo SGAdi Unknown SCTE30 Req] (tmnxVdoSGAdiUnknownSCTE30Req)	long	The value of tmnxVdoSGAdiUnknownSCTE30Req indicates the total number of invalid Society of Cable Telecommunications Engineers 30 (SCTE-30) requests received from the Ad Insert (ADI) server.
vdoSGAdiUnsucAbortResp [Vdo SGAdi Unsuc Abort Resp] (tmnxVdoSGAdiUnsucAbortResp)	long	The value of tmnxVdoSGAdiUnsucAbortResp indicates the total number of unsuccessful abort responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnsucCueResp [Vdo SGAdi Unsuc Cue Resp] (tmnxVdoSGAdiUnsucCueResp)	long	The value of tmnxVdoSGAdiUnsucCueResp indicates the total number of unsuccessful cue responses received from the Ad Insert (ADI) server.
vdoSGAdiUnsucInitResp [Vdo SGAdi Unsuc Init Resp] (tmnxVdoSGAdiUnsucInitResp)	long	The value of tmnxVdoSGAdiUnsucInitResp indicates the total number of unsuccessful init responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnsucSpliceOutComRes [Vdo SGAdi Unsuc Splice Out Com Res] (tmnxVdoSGAdiUnsucSpliceOutComRes)	long	The value of tmnxVdoSGAdiUnsucSpliceOutComRes indicates the total number of unsuccessful splice-out complete responses sent to the Ad Insert (ADI) server.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiUnsucSpliceResp [Vdo SGAdi Unsuc Splice Resp] (tmnxVdoSGAdiUnsucSpliceResp)	long	The value of tmnxVdoSGAdiUnsucSpliceResp indicates the total number of unsuccessful splice responses sent to the Ad Insert (ADI) server.
<p>VdoGrpSrcSpliceStats</p> <p>MIB entry name: tmnxVdoSGSpliceStatusEntry</p> <p>Entry description: An entry in the tmnxVdoSGSpliceStatusEntry. Each entry represents a splice request received by the splicer.</p> <p>Table description (for tmnxVdoSGSpliceStatusTable): The tmnxVdoSGSpliceStatusTable has an entry for each splice request received by the splicer. This table contains information about the splice request.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.ZoneAdiChl</p>		
vdoSGSpliceAbortReason [Vdo SGSsplice Abort Reason] (tmnxVdoSGSpliceAbortReason)	long	The value of tmnxVdoSGSpliceAbortReason indicates the reason if a splice operation has been aborted. If the value of this object is equal to 'none', then the splice has not been aborted.
vdoSGSpliceAdServerAddr [Vdo SGSsplice Ad Server Addr] (tmnxVdoSGSpliceAdServerAddr)	String	The value of tmnxVdoSGSpliceAdServerAddr indicates the address of the Ad Insert (ADI) server that issued the splice request.
vdoSGSpliceAdServerAddrType [Vdo SGSsplice Ad Server Addr Type] (tmnxVdoSGSpliceAdServerAddrType)	int	The value of tmnxVdoSGSpliceAdServerAddrType indicates the type of Ad Insert (ADI) server address represented by tmnxVdoSGSpliceAdServerAddr.
vdoSGSpliceBlkFramePTS [Vdo SGSsplice Blk Frame PTS] (tmnxVdoSGSpliceBlkFramePTS)	String	The value of tmnxVdoSGSpliceBlkFramePTS indicates the Presentation Timestamp (PTS) of the first black frame.
vdoSGSpliceDurationPlayed [Vdo SGSsplice Duration Played] (tmnxVdoSGSpliceDurationPlayed)	long	The value of tmnxVdoSGSpliceDurationPlayed indicates the splice duration, in seconds, played by the splicer.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGSpliceDurationReq [Vdo SGSplice Duration Req] (tmnxVdoSGSpliceDurationReq)	long	The value of tmnxVdoSGSpliceDurationReq indicates the splice duration, in seconds, of the ad requested by the Ad Insert (ADI) server.
vdoSGSpliceMaxAdPTS [Vdo SGSplice Max Ad PTS] (tmnxVdoSGSpliceMaxAdPTS)	String	The value of tmnxVdoSGSpliceMaxAdPTS indicates the maximum Presentation Timestamp (PTS) value of the last Group of Pictures (GOP) of ad stream (non-black frame).
vdoSGSpliceMinNwPTS [Vdo SGSplice Min Nw PTS] (tmnxVdoSGSpliceMinNwPTS)	String	The value of tmnxVdoSGSpliceMinNwPTS indicates the minimum Presentation Timestamp (PTS) value from the first Group of Pictures (GOP) of the network stream after the splice out has occurred.
vdoSGSpliceNumBlkFrames [Vdo SGSplice Num Blk Frames] (tmnxVdoSGSpliceNumBlkFrames)	long	The value of tmnxVdoSGSpliceNumBlkFrames indicates the number of black frames inserted.
vdoSGSplicePriorSessionId [Vdo SGSplice Prior Session Id] (tmnxVdoSGSplicePriorSessionId)	long	The value of tmnxVdoSGSplicePriorSessionId indicates the prior session id of the ad. If the value of this object is not equal to 0xFFFFFFFF, then this splice is a back-to-back ad insertion.
vdoSGSpliceRate [Vdo SGSplice Rate] (tmnxVdoSGSpliceRate)	long	The value of tmnxVdoSGSpliceRate indicates the rate of the ad stream, in kilo-bits per second (kbps), received by the splicer.
vdoSGSpliceSessionId [Vdo SGSplice Session Id] (tmnxVdoSGSpliceSessionId)	long	The value of tmnxVdoSGSpliceSessionId indicates the session ID of the ad request.
vdoSGSpliceSpliceInSeqNum [Vdo SGSplice Splice In Seq Num] (tmnxVdoSGSpliceSpliceInSeqNum)	long	The value of tmnxVdoSGSpliceSpliceInSeqNum indicates the sequence number at which the splice-in to the ad occurred.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGSpliceSpliceOutSeqNum [Vdo SGSsplice Splice Out Seq Num] (tmnxVdoSGSpliceSpliceOutSeqNum)	long	The value of tmnxVdoSGSpliceSpliceOutSeqNum indicates the sequence number at which the splice-out to the ad occurred.
vdoSGSpliceStartTime [Vdo SGSsplice Start Time] (tmnxVdoSGSpliceStartTime)	long	The value of tmnxVdoSGSpliceStartTime indicates the start time of splice in seconds.
vdoSGSpliceStatus [Vdo SGSsplice Status] (tmnxVdoSGSpliceStatus)	long	The value of tmnxVdoSGSpliceStatus indicates the status of this splice request.
<p>VdoGrpSrcStats</p> <p>MIB entry name: tmnxVdoGrpSrcStatEntry</p> <p>Entry description: An entry in the tmnxVdoGrpSrcStatTable. Each entry represents a source address for the corresponding multicast group.</p> <p>Table description (for tmnxVdoGrpSrcStatTable): tmnxVdoGrpSrcStatTable contains channel information and statistics for the multicast groups.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.AdiChI • service.ZoneAdiChI 		
vdoGrpSrcADIAAdminState [Vdo Grp Src ADIAAdmin State] (tmnxVdoGrpSrcADIAAdminState)	int	The value of tmnxVdoGrpSrcADIAAdminState indicates whether Ad Insertion is enabled on the video ISA.
vdoGrpSrcADICurrentState [Vdo Grp Src ADICurrent State] (tmnxVdoGrpSrcADICurrentState)	long	The value of tmnxVdoGrpSrcADICurrentState indicates whether the video ISA is transmitting network stream or ads.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcADIPATChanges [Vdo Grp Src ADIPATChanges] (tmnxVdoGrpSrcADIPATChanges)	long	The value of tmnxVdoGrpSrcADIPATChanges indicates the total number of Program Association Table (PAT) version changes.
vdoGrpSrcADIPATVersion [Vdo Grp Src ADIPATVersion] (tmnxVdoGrpSrcADIPATVersion)	long	The value of tmnxVdoGrpSrcADIPATVersion indicates the version of the Program Association Table (PAT).
vdoGrpSrcADIPMTChanges [Vdo Grp Src ADIPMTChanges] (tmnxVdoGrpSrcADIPMTChanges)	long	The value of tmnxVdoGrpSrcADIPMTChanges indicates the total number of Program Map Table (PMT) version changes.
vdoGrpSrcADIPMTVersion [Vdo Grp Src ADIPMTVersion] (tmnxVdoGrpSrcADIPMTVersion)	long	The value of tmnxVdoGrpSrcADIPMTVersion indicates the version of the Program Map Table (PMT).
vdoGrpSrcADIRxPackets [Vdo Grp Src ADIRx Packets] (tmnxVdoGrpSrcADIRxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcADIRxPackets indicates the total number of Ad Insert (ADI) packets received by the video ISA.
vdoGrpSrcADIRxSCTE35MsgDisc [Vdo Grp Src ADIRx SCTE35 Msg Disc] (tmnxVdoGrpSrcADIRxSCTE35MsgDisc)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgDisc indicates the total number of Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA and discarded. SCTE-35 messages with unsupported commands and encrypted SCTE-35 messages are discarded.
vdoGrpSrcADIRxSCTE35MsgEnc [Vdo Grp Src ADIRx SCTE35 Msg Enc] (tmnxVdoGrpSrcADIRxSCTE35MsgEnc)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgEnc indicates the total number of encrypted Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.
vdoGrpSrcADIRxSCTE35MsgUnsup [Vdo Grp Src ADIRx SCTE35 Msg Unsup] (tmnxVdoGrpSrcADIRxSCTE35MsgUnsup)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgUnsup indicates the total number of unsupported Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcADIRxSCTE35Msgs [Vdo Grp Src ADIRx SCTE35 Msgs] (tmnxVdoGrpSrcADIRxSCTE35Msgs)	long	The value of tmnxVdoGrpSrcADIRxSCTE35Msgs indicates the total number of Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.
vdoGrpSrcADITxPackets [Vdo Grp Src ADITx Packets] (tmnxVdoGrpSrcADITxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcADITxPackets indicates the total number of Ad Insert (ADI) packets sent by the video ISA.
vdoGrpSrcADIUnsuppTSLenPkts [Vdo Grp Src ADIUnsupp TSLen Pkts] (tmnxVdoGrpSrcADIUnsuppTSLenPkts)	long	The value of tmnxVdoGrpSrcADIUnsuppTSLenPkts indicates the total number of data packets received whose size is not equal to 188 bytes. The value of this object is valid only when the corresponding tmnxVdoGrpADIServerState value is set to 'true'.
vdoGrpSrcAdminBW [Vdo Grp Src Admin BW] (tmnxVdoGrpSrcAdminBW)	long	The value of tmnxVdoGrpSrcAdminBW indicates the administrative bandwidth of the multicast group.
vdoGrpSrcAdminRTBufferSize [Vdo Grp Src Admin RTBuffer Size] (tmnxVdoGrpSrcAdminRTBufferSize)	long	The value of tmnxVdoGrpSrcAdminRTBufferSize indicates the number of milliseconds worth of channel packets to store for the Retransmission (RT) server.
vdoGrpSrcBufferSize [Vdo Grp Src Buffer Size] (tmnxVdoGrpSrcBufferSize)	long	The value of tmnxVdoGrpSrcBufferSize indicates the number of milliseconds worth of channel packets stored by the Retransmission (RT) server or Fast Channel Change (FCC) server on this channel.
vdoGrpSrcDupSeqNumber [Vdo Grp Src Dup Seq Number] (tmnxVdoGrpSrcDupSeqNumber)	long	The value of tmnxVdoGrpSrcDupSeqNumber indicates the total number of Real-time Transport Protocol (RTP) packets detected with a duplicate sequence number.
vdoGrpSrcDupSsrc [Vdo Grp Src Dup Ssrc] (tmnxVdoGrpSrcDupSsrc)	long	The value of tmnxVdoGrpSrcDupSsrc indicates the number of packets detected with a duplicate synchronization source (SSRC) identifier.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcFCCSvrAdminState [Vdo Grp Src FCCSvr Admin State] (tmnxVdoGrpSrcFCCSvrAdminState)	int	The value of tmnxVdoGrpSrcFCCSvrAdminState indicates whether the Fast Channel Change (FCC) server is enabled on this channel.
vdoGrpSrcFCCSvrChnlType [Vdo Grp Src FCCSvr Chnl Type] (tmnxVdoGrpSrcFCCSvrChnlType)	int	The value of tmnxVdoGrpSrcFCCSvrChnlType indicates the type of channel served by the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrRxFCCReq [Vdo Grp Src FCCSvr Rx FCCReq] (tmnxVdoGrpSrcFCCSvrRxFCCReq)	long	The value of tmnxVdoGrpSrcFCCSvrRxFCCReq indicates the total number of Fast Channel Change (FCC) requests received by the FCC server.
vdoGrpSrcFCCSvrRxFailedReq [Vdo Grp Src FCCSvr Rx Failed Req] (tmnxVdoGrpSrcFCCSvrRxFailedReq)	long	The value of tmnxVdoGrpSrcFCCSvrRxFailedReq indicates the total number of failed requests at the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrTxBytes [Vdo Grp Src FCCSvr Tx Bytes] (tmnxVdoGrpSrcFCCSvrTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcFCCSvrTxBytes indicates the total number of bytes sent by the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrTxFCCReplies [Vdo Grp Src FCCSvr Tx FCCReplies] (tmnxVdoGrpSrcFCCSvrTxFCCReplies)	long	The value of tmnxVdoGrpSrcFCCSvrTxFCCReplies indicates the total number of Fast Channel Change (FCC) replies sent by the FCC server.
vdoGrpSrcFCCSvrTxPackets [Vdo Grp Src FCCSvr Tx Packets] (tmnxVdoGrpSrcFCCSvrTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcFCCSvrTxPackets indicates the total number of packets sent by the Fast Channel Change (FCC) server.
vdoGrpSrcGroupAddress [Vdo Grp Src Group Address] (tmnxVdoGrpSrcGroupAddress)	String	The value of tmnxVdoGrpSrcGroupAddress indicates the IP multicast group address for which this entry contains information.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcGrpAddrType [Vdo Grp Src Grp Addr Type] (tmnxVdoGrpSrcGrpAddrType)	int	The value of tmnxVdoGrpSrcGrpAddrType indicates the type of IP multicast group address represented by tmnxVdoGrpSrcGroupAddress.
vdoGrpSrcRTClientAdminState [Vdo Grp Src RTClient Admin State] (tmnxVdoGrpSrcRTClientAdminState)	int	The value of tmnxVdoGrpSrcRTClientAdminState indicates the administrative state of the retransmission client.
vdoGrpSrcRTClientFailedReq [Vdo Grp Src RTClient Failed Req] (tmnxVdoGrpSrcRTClientFailedReq)	long	The value of tmnxVdoGrpSrcRTClientFailedReq indicates the total number of Retransmission (RT) requests that could not be generated by the RT client due to gaps in the sequence numbers.
vdoGrpSrcRTClientGapsDetectd [Vdo Grp Src RTClient Gaps Detectd] (tmnxVdoGrpSrcRTClientGapsDetectd)	long	The value of tmnxVdoGrpSrcRTClientGapsDetectd indicates the total number of gaps in the sequence numbers detected by the Retransmission (RT) client.
vdoGrpSrcRTClientRTSvrPort [Vdo Grp Src RTClient RTSvr Port] (tmnxVdoGrpSrcRTClientRTSvrPort)	long	The value of tmnxVdoGrpSrcRTClientRTSvrPort indicates the Retransmission (RT) server port for this channel.
vdoGrpSrcRTClientRxReTxBytes [Vdo Grp Src RTClient Rx Re Tx Bytes] (tmnxVdoGrpSrcRTClientRxReTxBytes)	java. math. BigInte- ger	The value of tmnxVdoGrpSrcRTClientRxReTxBytes indicates the total number of retransmitted bytes received by the Retransmission (RT) client.
vdoGrpSrcRTClientRxReTxPkts [Vdo Grp Src RTClient Rx Re Tx Pkts] (tmnxVdoGrpSrcRTClientRxReTxPkts)	java. math. BigInte- ger	The value of tmnxVdoGrpSrcRTClientRxReTxPkts indicates the total number of retransmitted packets received by the Retransmission (RT) client.
vdoGrpSrcRTClientTxRTReq [Vdo Grp Src RTClient Tx RTReq] (tmnxVdoGrpSrcRTClientTxRTReq)	long	The value of tmnxVdoGrpSrcRTClientTxRTReq indicates the total number of Retransmission (RT) requests sent by the RT client.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcRTClientTxRTReqReTx [Vdo Grp Src RTClient Tx RTReq Re Tx] (tmnxVdoGrpSrcRTClientTxRTReqReTx)	long	The value of tmnxVdoGrpSrcRTClientTxRTReqReTx indicates the total number of repeat Retransmission (RT) requests attempted by the RT client.
vdoGrpSrcRTCIntRTSvrAddr [Vdo Grp Src RTCInt RTSvr Addr] (tmnxVdoGrpSrcRTCIntRTSvrAddr)	String	The value of tmnxVdoGrpSrcRTCIntRTSvrAddr indicates the address of the Retransmission (RT) server for this channel.
vdoGrpSrcRTCIntRTSvrAddrType [Vdo Grp Src RTCInt RTSvr Addr Type] (tmnxVdoGrpSrcRTCIntRTSvrAddrType)	int	The value of tmnxVdoGrpSrcRTCIntRTSvrAddrType indicates the type of address represented by tmnxVdoGrpSrcRTCIntRTSvrAddr.
vdoGrpSrcRTSvrAdminState [Vdo Grp Src RTSvr Admin State] (tmnxVdoGrpSrcRTSvrAdminState)	int	The value of tmnxVdoGrpSrcRTSvrAdminState indicates the administrative state of the Retransmission (RT) server.
vdoGrpSrcRTSvrRtpPktsReq [Vdo Grp Src RTSvr Rtp Pkts Req] (tmnxVdoGrpSrcRTSvrRtpPktsReq)	long	The value of tmnxVdoGrpSrcRTSvrRtpPktsReq indicates the total number of Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this channel.
vdoGrpSrcRTSvrRxFailedReq [Vdo Grp Src RTSvr Rx Failed Req] (tmnxVdoGrpSrcRTSvrRxFailedReq)	long	The value of tmnxVdoGrpSrcRTSvrRxFailedReq indicates the total number of failed requests at the Retransmission (RT) server due to congestion or lack of resources.
vdoGrpSrcRTSvrRxRTReq [Vdo Grp Src RTSvr Rx RTReq] (tmnxVdoGrpSrcRTSvrRxRTReq)	long	The value of tmnxVdoGrpSrcRTSvrRxRTReq indicates the total number of RT requests received by the Retransmission (RT) server.
vdoGrpSrcRTSvrTxBytes [Vdo Grp Src RTSvr Tx Bytes] (tmnxVdoGrpSrcRTSvrTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTSvrTxBytes indicates the total number of bytes sent by the Retransmission (RT) server.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcRTSrvrTxPackets [Vdo Grp Src RTSrvr Tx Packets] (tmnxVdoGrpSrcRTSrvrTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTSrvrTxPackets indicates the total number of packets sent by the Retransmission (RT) server.
vdoGrpSrcRTSrvrTxRTReplies [Vdo Grp Src RTSrvr Tx RTReplies] (tmnxVdoGrpSrcRTSrvrTxRTReplies)	long	The value of tmnxVdoGrpSrcRTSrvrTxRTReplies indicates the total number of Retransmission (RT) replies sent by the RT server.
vdoGrpSrcRxBytes [Vdo Grp Src Rx Bytes] (tmnxVdoGrpSrcRxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxBytes indicates the total number of bytes received on this multicast channel.
vdoGrpSrcRxDupSsrcDrops [Vdo Grp Src Rx Dup Ssrc Drops] (tmnxVdoGrpSrcRxDupSsrcDrops)	long	The value of tmnxVdoGrpSrcRxDupSsrcDrops indicates the number of receive-packets dropped with a duplicate synchronization source (SSRC) identifier.
vdoGrpSrcRxInvalidPackets [Vdo Grp Src Rx Invalid Packets] (tmnxVdoGrpSrcRxInvalidPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxInvalidPackets indicates the total number of invalid packets received on this multicast channel.
vdoGrpSrcRxPackets [Vdo Grp Src Rx Packets] (tmnxVdoGrpSrcRxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxPackets indicates the total number of packets received on this multicast channel.
vdoGrpSrcSSRCId [Vdo Grp Src SSRCId] (tmnxVdoGrpSrcSSRCId)	long	The value of tmnxVdoGrpSrcSSRCId indicates the synchronization source (SSRC) identifier carried in the Real-time Transport Protocol (RTP) header to identify the source of a stream of RTP packets.
vdoGrpSrcSourceAddress [Vdo Grp Src Source Address] (tmnxVdoGrpSrcSourceAddress)	String	The value of tmnxVdoGrpSrcSourceAddress indicates the IP multicast source address for which this entry contains information.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcSrcAddrType [Vdo Grp Src Src Addr Type] (tmnxVdoGrpSrcSrcAddrType)	int	The value of tmnxVdoGrpSrcSrcAddrType indicates the type of IP multicast source address represented by tmnxVdoGrpSrcSourceAddress.
vdoGrpSrcStreamType [Vdo Grp Src Stream Type] (tmnxVdoGrpSrcStreamType)	long	The value of tmnxVdoGrpSrcStreamType indicates the type of stream being transmitted from the video ISA perspective. Network stream is the stream ingressing the video ISA and being stored by it. Zone stream is the stream egressing the video ISA into which AD streams will be inserted.
vdoGrpSrcTxBytes [Vdo Grp Src Tx Bytes] (tmnxVdoGrpSrcTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxBytes indicates the total number of bytes transmitted on this multicast channel.
vdoGrpSrcTxFailedPackets [Vdo Grp Src Tx Failed Packets] (tmnxVdoGrpSrcTxFailedPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxFailedPackets indicates the total number of failures during the transmission of packets on this multicast channel. Failure happens when the packet to be sent is not stored in the video cache.
vdoGrpSrcTxPackets [Vdo Grp Src Tx Packets] (tmnxVdoGrpSrcTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxPackets indicates the total number of packets transmitted on this multicast channel.
vdoGrpSrcUDPDestPort [Vdo Grp Src UDPDest Port] (tmnxVdoGrpSrcUDPDestPort)	long	The value of tmnxVdoGrpSrcUDPDestPort indicates the UDP destination port in the received RTP multicast stream.
vdoGrpSrcUDPSrcPort [Vdo Grp Src UDPSrc Port] (tmnxVdoGrpSrcUDPSrcPort)	long	The value of tmnxVdoGrpSrcUDPSrcPort indicates the UDP source port in the received RTP multicast stream.
vdoGrpSrcUptime [Vdo Grp Src Uptime] (tmnxVdoGrpSrcUptime)	long	The value of tmnxVdoGrpSrcUptime indicates the time since this source group entry was created.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcVdoGrpId [Vdo Grp Src Vdo Grp Id] (tmnxVdoGrpSrcVdoGrpId)	long	The value of tmnxVdoGrpSrcVdoGrpId indicates the identifier of the video group.
<p>VdolfStats MIB entry name: tmnxVdolfStatEntry Entry description: An entry in the tmnxVdolfStatTable. Each row entry represents an IP address assigned to a video interface. Table description (for tmnxVdolfStatTable): tmnxVdolfStatTable contains information and statistics for each video interface configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: service.VideoflpAddress</p>		
vdolfScte30InitSessions [Vdo If Scte 30 Init Sessions] (tmnxVdolfScte30InitSessions)	long	The value of tmnxVdolfScte30InitSessions indicates the total number of scte30 init sessions with the Ad Insert (ADI) servers for this interface.
vdolfScte30TcpSessions [Vdo If Scte 30 Tcp Sessions] (tmnxVdolfScte30TcpSessions)	long	The value of tmnxVdolfScte30TcpSessions indicates the total number of scte30 tcp sessions with the Ad Insert (ADI) servers for this interface.
vdolfStatFCCSrRxHdFCCReq [Vdo If Stat FCCSr Rx Hd FCCReq] (tmnxVdolfStatFCCSrRxHdFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxHdFCCReq indicates the total number of Fast Channel Change (FCC) requests received from High Definition (HD) channels on this interface.
vdolfStatFCCSrRxHdFailedReq [Vdo If Stat FCCSr Rx Hd Failed Req] (tmnxVdolfStatFCCSrRxHdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxHdFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from High Definition (HD) channels on this interface.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatFCCSrRxPipFCCReq [Vdo If Stat FCCSr Rx Pip FCCReq] (tmnxVdolfStatFCCSrRxPipFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxPipFCCReq indicates the total number of Fast Channel Change (FCC) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatFCCSrRxPipFailedReq [Vdo If Stat FCCSr Rx Pip Failed Req] (tmnxVdolfStatFCCSrRxPipFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxPipFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatFCCSrRxSdFCCReq [Vdo If Stat FCCSr Rx Sd FCCReq] (tmnxVdolfStatFCCSrRxSdFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxSdFCCReq indicates the total number of Fast Channel Change (FCC) requests received from Standard Definition (SD) channels on this interface.
vdolfStatFCCSrRxSdFailedReq [Vdo If Stat FCCSr Rx Sd Failed Req] (tmnxVdolfStatFCCSrRxSdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxSdFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from Standard Definition (SD) channels on this interface.
vdolfStatFCCSrTxHdBytes [Vdo If Stat FCCSr Tx Hd Bytes] (tmnxVdolfStatFCCSrTxHdBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdBytes indicates the total number of High Definition (HD) channel bytes sent from this interface.
vdolfStatFCCSrTxHdFCCReplies [Vdo If Stat FCCSr Tx Hd FCCReplies] (tmnxVdolfStatFCCSrTxHdFCCReplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdFCCReplies indicates the total number of High Definition (HD) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxHdPackets [Vdo If Stat FCCSr Tx Hd Packets] (tmnxVdolfStatFCCSrTxHdPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdPackets indicates the total number of High Definition (HD) channel packets sent from this interface.
vdolfStatFCCSrTxPipBytes [Vdo If Stat FCCSr Tx Pip Bytes] (tmnxVdolfStatFCCSrTxPipBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipBytes indicates the total number of Picture-In-Picture (PIP) channel bytes sent from this interface.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatFCCSrTxPipFCCRplies [Vdo If Stat FCCSr Tx Pip FCCRplies] (tmnxVdolfStatFCCSrTxPipFCCRplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipFCCRplies indicates the total number of Picture-In-Picture (PIP) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxPipPackets [Vdo If Stat FCCSr Tx Pip Packets] (tmnxVdolfStatFCCSrTxPipPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipPackets indicates the total number of Picture-In-Picture (PIP) channel packets sent from this interface.
vdolfStatFCCSrTxSdBytes [Vdo If Stat FCCSr Tx Sd Bytes] (tmnxVdolfStatFCCSrTxSdBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdBytes indicates the total number of Standard Definition (SD) channel bytes sent from this interface.
vdolfStatFCCSrTxSdFCCReplies [Vdo If Stat FCCSr Tx Sd FCCReplies] (tmnxVdolfStatFCCSrTxSdFCCReplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdFCCReplies indicates the total number of Standard Definition (SD) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxSdPackets [Vdo If Stat FCCSr Tx Sd Packets] (tmnxVdolfStatFCCSrTxSdPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdPackets indicates the total number of Standard Definition (SD) channel packets sent from this interface.
vdolfStatHdFCCServerMode [Vdo If Stat Hd FCCServer Mode] (tmnxVdolfStatHdFCCServerMode)	int	The value of tmnxVdolfStatHdFCCServerMode indicates the mode of the High Definition (HD) Fast Channel Change (FCC) server on this interface.
vdolfStatHdRTServerState [Vdo If Stat Hd RTServer State] (tmnxVdolfStatHdRTServerState)	boolean	The value of tmnxVdolfStatHdRTServerState indicates whether the High Definition (HD) retransmission server is enabled on this interface.
vdolfStatPipFCCServerMode [Vdo If Stat Pip FCCServer Mode] (tmnxVdolfStatPipFCCServerMode)	int	The value of tmnxVdolfStatPipFCCServerMode indicates the mode of the Picture-in-Picture (PIP) Fast Channel Change (FCC) server on this interface.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatPipRTServerState [Vdo If Stat Pip RTServer State] (tmnxVdolfStatPipRTServerState)	boolean	The value of tmnxVdolfStatPipRTServerState indicates whether the Picture-in-Picture (PIP) retransmission server is enabled on this interface.
vdolfStatRTSvrHdRtpPktsReq [Vdo If Stat RTSvr Hd Rtp Pkts Req] (tmnxVdolfStatRTSvrHdRtpPktsReq)	java.math. BigInteger	The value of tmnxVdolfStatRTSvrHdRtpPktsReq indicates the total number of High Definition (HD) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrPipRtpPktsReq [Vdo If Stat RTSvr Pip Rtp Pkts Req] (tmnxVdolfStatRTSvrPipRtpPktsReq)	java.math. BigInteger	The value of tmnxVdolfStatRTSvrPipRtpPktsReq indicates the total number of Picture-In-Picture (PIP) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrRxHdFailedReq [Vdo If Stat RTSvr Rx Hd Failed Req] (tmnxVdolfStatRTSvrRxHdFailedReq)	java.math. BigInteger	The value of tmnxVdolfStatRTSvrRxHdFailedReq indicates the total number of failed Retransmission (RT) requests received from High Definition (HD) channels on this interface.
vdolfStatRTSvrRxHdRTReq [Vdo If Stat RTSvr Rx Hd RTReq] (tmnxVdolfStatRTSvrRxHdRTReq)	java.math. BigInteger	The value of tmnxVdolfStatRTSvrRxHdRTReq indicates the total number of Retransmission (RT) requests received from High Definition (HD) channels on this interface.
vdolfStatRTSvrRxPipFailedReq [Vdo If Stat RTSvr Rx Pip Failed Req] (tmnxVdolfStatRTSvrRxPipFailedReq)	java.math. BigInteger	The value of tmnxVdolfStatRTSvrRxPipFailedReq indicates the total number of failed Retransmission (RT) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatRTSvrRxPipRTReq [Vdo If Stat RTSvr Rx Pip RTReq] (tmnxVdolfStatRTSvrRxPipRTReq)	java.math. BigInteger	The value of tmnxVdolfStatRTSvrRxPipRTReq indicates the total number of Retransmission (RT) requests received from Picture-In-Picture (PIP) channels on this interface.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatRTSvrRxSdFailedReq [Vdo If Stat RTSvr Rx Sd Failed Req] (tmnxVdolfStatRTSvrRxSdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxSdFailedReq indicates the total number of failed Retransmission (RT) requests received from Standard Definition (SD) channels on this interface.
vdolfStatRTSvrRxSdRTReq [Vdo If Stat RTSvr Rx Sd RTReq] (tmnxVdolfStatRTSvrRxSdRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxSdRTReq indicates the total number of Retransmission (RT) requests received from Standard Definition (SD) channels on this interface.
vdolfStatRTSvrSdRtpPktsReq [Vdo If Stat RTSvr Sd Rtp Pkts Req] (tmnxVdolfStatRTSvrSdRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrSdRtpPktsReq indicates the total number of Standard Definition (SD) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrTxHdBytes [Vdo If Stat RTSvr Tx Hd Bytes] (tmnxVdolfStatRTSvrTxHdBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdBytes indicates the total number of High Definition (HD) channel bytes sent from this interface.
vdolfStatRTSvrTxHdPackets [Vdo If Stat RTSvr Tx Hd Packets] (tmnxVdolfStatRTSvrTxHdPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdPackets indicates the total number of High Definition (HD) channel packets sent from this interface.
vdolfStatRTSvrTxHdRTReplies [Vdo If Stat RTSvr Tx Hd RTReplies] (tmnxVdolfStatRTSvrTxHdRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdRTReplies indicates the total number of High Definition (HD) channel Retransmission (RT) replies sent from this interface.
vdolfStatRTSvrTxPipBytes [Vdo If Stat RTSvr Tx Pip Bytes] (tmnxVdolfStatRTSvrTxPipBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipBytes indicates the total number of Picture-In-Picture (PIP) channel bytes sent from this interface.

Table 499 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatRTSvrTxPipPackets [Vdo If Stat RTSvr Tx Pip Packets] (tmnxVdolfStatRTSvrTxPipPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipPackets indicates the total number of Picture-In-Picture (PIP) channel packets sent from this interface.
vdolfStatRTSvrTxPipRTReplies [Vdo If Stat RTSvr Tx Pip RTReplies] (tmnxVdolfStatRTSvrTxPipRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipRTReplies indicates the total number of Picture-In-Picture (PIP) channel Retransmission (RT) replies sent from this interface.
vdolfStatRTSvrTxSdBytes [Vdo If Stat RTSvr Tx Sd Bytes] (tmnxVdolfStatRTSvrTxSdBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdBytes indicates the total number of Standard Definition (SD) channel bytes sent from this interface.
vdolfStatRTSvrTxSdPackets [Vdo If Stat RTSvr Tx Sd Packets] (tmnxVdolfStatRTSvrTxSdPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdPackets indicates the total number of Standard Definition (SD) channel packets sent from this interface.
vdolfStatRTSvrTxSdRTReplies [Vdo If Stat RTSvr Tx Sd RTReplies] (tmnxVdolfStatRTSvrTxSdRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdRTReplies indicates the total number of Standard Definition (SD) channel Retransmission (RT) replies sent from this interface.
vdolfStatSdFCCServerMode [Vdo If Stat Sd FCCServer Mode] (tmnxVdolfStatSdFCCServerMode)	int	The value of tmnxVdolfStatSdFCCServerMode indicates the mode of the Standard Definition (SD) Fast Channel Change (FCC) server on this interface.
vdolfStatSdRTServerState [Vdo If Stat Sd RTServer State] (tmnxVdolfStatSdRTServerState)	boolean	The value of tmnxVdolfStatSdRTServerState indicates whether the Standard Definition (SD) retransmission server is enabled on this interface.
vdolfStatTxFailedPackets [Vdo If Stat Tx Failed Packets] (tmnxVdolfStatTxFailedPackets)	java. math. BigInteger	The value of tmnxVdolfStatTxFailedPackets indicates the total number of failures during the transmission of packets from this video interface. Failure happens when the packet to be sent is not stored in the video cache.

Table 500 sflow statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SflowReceiverStats</p> <p>MIB entry name: tmnxSflowRcvrStatsEntry</p> <p>Entry description: The tmnxSflowRcvrStatsEntry consists of statistics of sFlow information for the given receiver. For every entry in the SFLOW-MIB::sFlowRcvrTable, there is one entry for each tmnxSflowRcvrType in the tmnxSflowRcvrStatsTable.</p> <p>Table description (for tmnxSflowRcvrStatsTable): The tmnxSflowRcvrStatsTable contains statistics objects for the sFlow receivers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sflow.Receiver</p>		
sflowRcvrLastPacketSent [Sflow Rcvr Last Packet Sent] (tmnxSflowRcvrLastPacketSent)	long	The value of tmnxSflowRcvrLastPacketSent indicates the time, since system startup, when the last packet was sent from the given receiver. Zero indicates that no packets have been sent yet.
sflowRcvrPacketErrors [Sflow Rcvr Packet Errors] (tmnxSflowRcvrPacketErrors)	long	The value of tmnxSflowRcvrPacketErrors indicates the number of packet errors that have been detected by the given receiver.
sflowRcvrPacketsSent [Sflow Rcvr Packets Sent] (tmnxSflowRcvrPacketsSent)	long	The value of tmnxSflowRcvrPacketsSent indicates the number of packets sent from the given receiver.
sflowRcvrType [Sflow Rcvr Type] (tmnxSflowRcvrType)	int	The value of tmnxSflowRcvrType specifies the receiver type.

Table 501 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 501 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats MIB entry name: tCpmIPv6FilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created. Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 501 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats MIB entry name: tCpmlpFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created. Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats MIB entry name: tCpmMacFilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFltrEntryId. Entries are created when tCpmMacFilterEntry rows are created. Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 501 sitesecc statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criteria are applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesecc.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesecc.SiteSystemSecurityPublicKey</p>		

Table 501 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 501 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 502 slaprofile statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfileStats</p> <p>MIB entry name: tmnxSubMgmtSlaProfStatsEntry</p> <p>Entry description: Each row entry represents a set of subscriber mgmt SLA-profile statistics.</p> <p>Table description (for tmnxSubMgmtSlaProfStatsTable): The tmnxSubMgmtSlaProfStatsTable contains the subscriber mgmt SLA-profile statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
slaProfileCurrent [Sla Profile Current] (tmnxSubMgmtSlaProfStatsCurr)	long	The value of tmnxSubMgmtSlaProfStatsCurr indicates the number of instances currently present for this SLA-profile.
slaProfileName [Sla Profile Name] (tmnxSubMgmtSlaProfStatsName)	String	The value of tmnxSubMgmtSlaProfStatsName specifies the SLA-profile for these statistics.
slaProfilePeak [Sla Profile Peak] (tmnxSubMgmtSlaProfStatsPeak)	long	The value of tmnxSubMgmtSlaProfStatsPeak indicates the peak number of instances for this SLA-profile.
slaProfileTimeStamp [Sla Profile Time Stamp] (tmnxSubMgmtSlaProfStatsTimestamp)	long	The value of tmnxSubMgmtSlaProfStatsTimestamp indicates the timestamp when the peak number of instances for this SLA-profile was reached.

Table 503 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetFarEndLineCurrentStats MIB entry name: sonetFarEndLineCurrentEntry Entry description: An entry in the SONET/SDH Far End Line Current table. Table description (for sonetFarEndLineCurrentTable): The SONET/SDH Far End Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetFarEndLineCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndLineCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineIntervalStats</p> <p>MIB entry name: sonetFarEndLineIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Line Interval table.</p> <p>Table description (for sonetFarEndLineIntervalTable): The SONET/SDH Far End Line Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndLineIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineIntervalSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathCurrentStats</p> <p>MIB entry name: sonetFarEndPathCurrentEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Current table.</p> <p>Table description (for sonetFarEndPathCurrentTable): The SONET/SDH Far End Path Current table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndPathCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathCurrentSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathIntervalStats</p> <p>MIB entry name: sonetFarEndPathIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Interval table.</p> <p>Table description (for sonetFarEndPathIntervalTable): The SONET/SDH Far End Path Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndPathIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathIntervalSEs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
SonetFarEndVtCurrentStats MIB entry name: sonetFarEndVtCurrentEntry Entry description: An entry in the SONET/SDH Far End VT Current table. Table description (for sonetFarEndVtCurrentTable): The SONET/SDH Far End VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetFarEndVtCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndVtCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVtCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVtCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndVTIntervalStats</p> <p>MIB entry name: sonetFarEndVTIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End VT Interval table.</p> <p>Table description (for sonetFarEndVTIntervalTable): The SONET/SDH Far End VT Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVTIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndVTIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVTIntervalSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVTIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineCurrentStats MIB entry name: sonetLineCurrentEntry Entry description: An entry in the SONET/SDH Line Current table. Table description (for sonetLineCurrentTable): The SONET/SDH Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval.
currentStatus [Current Status] (sonetLineCurrentStatus)	long	This variable indicates the status of the interface. The sonetLineCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetLineNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetLineNoDefect 2 sonetLineAIS 4 sonetLineRDI
erroredSeconds [Errored Seconds] (sonetLineCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineCurrentSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetLineCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineIntervalStats MIB entry name: sonetLineIntervalEntry Entry description: An entry in the SONET/SDH Line Interval table. Table description (for sonetLineIntervalTable): The SONET/SDH Line Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetLineIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetLineIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetPathCurrentStats MIB entry name: sonetPathCurrentEntry Entry description: An entry in the SONET/SDH Path Current table. Table description (for sonetPathCurrentTable): The SONET/SDH Path Current table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval.
currentStatus [Current Status] (sonetPathCurrentStatus)	long	This variable indicates the status of the interface. The sonetPathCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetPathNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetPathNoDefect 2 sonetPathSTSLOP 4 sonetPathSTSAIS 8 sonetPathSTSRDI 16 sonetPathUnequipped 32 sonetPathSignalLabelMismatch
currentWidth [Current Width] (sonetPathCurrentWidth)	int	A value that indicates the type of the SONET/SDH Path. For SONET, the assigned types are the STS-Nc SPEs, where N = 1, 3, 12, 24, 48, 192 and 768. STS-1 is equal to 51.84 Mbps. For SDH, the assigned types are the STM-Nc VCs, where N = 1, 4, 16, 64 and 256.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetPathCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetPathCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval.
<p>SonetPathIntervalStats MIB entry name: sonetPathIntervalEntry Entry description: An entry in the SONET/SDH Path Interval table. Table description (for sonetPathIntervalTable): The SONET/SDH Path Interval table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetPathIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalNumber [Interval Number] (sonetPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathIntervalSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetPathIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in a particular 15-minute interval in the past 24 hours.
SonetSectionCurrentStats MIB entry name: sonetSectionCurrentEntry Entry description: An entry in the SONET/SDH Section Current table. Table description (for sonetSectionCurrentTable): The SONET/SDH Section Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval.
currentStatus [Current Status] (sonetSectionCurrentStatus)	long	This variable indicates the status of the interface. The sonetSectionCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetSectionNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetSectionNoDefect 2 sonetSectionLOS 4 sonetSectionLOF

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetSectionCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionCurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
SonetSectionIntervalStats MIB entry name: sonetSectionIntervalEntry Entry description: An entry in the SONET/SDH Section Interval table. Table description (for sonetSectionIntervalTable): The SONET/SDH Section Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetSectionIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetSectionIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionIntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionIntervalSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
SonetVtCurrentStats MIB entry name: sonetVtCurrentEntry Entry description: An entry in the SONET/SDH VT Current table. Table description (for sonetVtCurrentTable): The SONET/SDH VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVtCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in the current 15 minute interval.
currentStatus [Current Status] (sonetVtCurrentStatus)	long	This variable indicates the status of the interface. The sonetVtCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects and failures simultaneously. The sonetVTNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetVTNoDefect 2 sonetVTLOP 4 sonetVtPathAIS 8 sonetVtPathRDI 16 sonetVtPathRFI 32 sonetVTUnequipped 64 sonetVTSignalLabelMismatch
currentWidth [Current Width] (sonetVtCurrentWidth)	int	A value that indicates the type of the SONET VT and SDH VC. Assigned widths are VT1.5/VC11, VT2/VC12, VT3, VT6/VC2, and VT6c.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetVTCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetVTCurrentSEsS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetVTCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in the current 15 minute interval.
SonetVtIntervalStats MIB entry name: sonetVTIntervalEntry Entry description: An entry in the SONET/SDH VT Interval table. Table description (for sonetVTIntervalTable): The SONET/SDH VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVTIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetVTIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 503 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredSeconds [Severely Errored Seconds] (sonetVTIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetVTIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in a particular 15-minute interval in the past 24 hours.

Table 504 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 504 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 505 subscrauth statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAuthPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.Policy</p>		
rejectedAuthentications [Rejected Authentications] (tmnxSubAuthPlcyReject)	long	The value of tmnxSubAuthPlcyReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the authentication. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
rejectedRadiusFallbackAuthentications [Rejected Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackReject)	long	The value of tmnxSubAuthPlcyFallbackReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the fallback mechanism.
successfulAuthentications [Successful Authentications] (tmnxSubAuthPlcySuccess)	long	The value of tmnxSubAuthPlcySuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
successfulRadiusFallbackAuthentications [Successful Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackSuccess)	long	The value of tmnxSubAuthPlcyFallbackSuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully by the fallback mechanism.

Table 505 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAuthPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific radius server in a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyRadStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.RadiusEntry</p>		
failedAuthenticationOverloadRequests [Failed Authentication Overload Requests] (tmnxSubAuthPlcyRadOvrlSendFail)	long	The value of tmnxSubAuthPlcyRadOvrlSendFail indicates how many authentication requests failed because the packet could not be sent out while the RADIUS server was in overload.
failedAuthenticationRequests [Failed Authentication Requests] (tmnxSubAuthPlcyRadSendFail)	long	The value of tmnxSubAuthPlcyRadSendFail indicates how many authentication requests failed because the packet could not be sent out.
md5VerificationFailedRequests [Md 5 Verification Failed Requests] (tmnxSubAuthPlcyRadMd5Fail)	long	The value of tmnxSubAuthPlcyRadMd5Fail indicates how many times the MD5 verification failed on a msg from this radius server.
pendingAuthenticationRequest [Pending Authentication Request] (tmnxSubAuthPlcyRadPending)	long	The value of tmnxSubAuthPlcyRadPending indicates how many authentication requests are currently pending.
rejectedAuthenticationRequests [Rejected Authentication Requests] (tmnxSubAuthPlcyRadReject)	long	The value of tmnxSubAuthPlcyRadReject indicates how many authentication requests were rejected by this radius server.
successfulAuthenticationRequests [Successful Authentication Requests] (tmnxSubAuthPlcyRadSuccess)	long	The value of tmnxSubAuthPlcyRadSuccess indicates how many authentication requests were accepted by this radius server.

Table 505 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timedOutAuthenticationRequests [Timed Out Authentication Requests] (tmnxSubAuthPlcyRadTimeout)	long	The value of tmnxSubAuthPlcyRadTimeout indicates how many times this radius did not reply to an authentication request within the timeout.

Table 506 subscrprofile statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberProfileStats</p> <p>MIB entry name: tmnxSubMgmtSubProfStatsEntry</p> <p>Entry description: Each row entry represents a set of subscriber mgmt sub-profile statistics.</p> <p>Table description (for tmnxSubMgmtSubProfStatsTable): The tmnxSubMgmtSubProfStatsTable contains the subscriber mgmt sub-profile statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
subscrProfileCurrent [Subscr Profile Current] (tmnxSubMgmtSubProfStatsCurr)	long	The value of tmnxSubMgmtSubProfStatsCurr indicates the number of instances currently present for this sub-profile.
subscrProfileName [Subscr Profile Name] (tmnxSubMgmtSubProfStatsName)	String	The value of tmnxSubMgmtSubProfStatsName specifies the sub-profile for these statistics.
subscrProfilePeak [Subscr Profile Peak] (tmnxSubMgmtSubProfStatsPeak)	long	The value of tmnxSubMgmtSubProfStatsPeak indicates the peak number of instances for this sub-profile.
subscrProfileTimeStamp [Subscr Profile Time Stamp] (tmnxSubMgmtSubProfStatsTimestamp)	long	The value of tmnxSubMgmtSubProfStatsTimestamp indicates the timestamp when the peak number of instances for this sub-profile was reached.

Table 507 svq statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustEgrQosPortIdArbiterStats</p> <p>MIB entry name: custEgrQosPortIdArbitStatsEntry</p> <p>Entry description: Each row entry represents the egress statistics for a customer multi-service-site egress arbiter.</p> <p>Table description (for custEgrQosPortIdArbitStatsTable): The custEgrQosPortIdArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custEgrQosPortIdArbitName)	String	The value of custEgrQosPortIdArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custEgrQosPortIdArbitFwdOcts [Cust Egr Qos Port Id Arbit Fwd Octs] (custEgrQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custEgrQosPortIdArbitFwdPkts [Cust Egr Qos Port Id Arbit Fwd Pkts] (custEgrQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustIngQosPortIdArbiterStats</p> <p>MIB entry name: custIngQosPortIdArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter.</p> <p>Table description (for custIngQosPortIdArbitStatsTable): The custIngQosPortIdArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 507 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (custIngQosPortIdArbitName)	String	The value of custIngQosPortIdArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custIngQosPortIdArbitFwdOcts [Cust Ing Qos Port Id Arbit Fwd Octets] (custIngQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.
custIngQosPortIdArbitFwdPkts [Cust Ing Qos Port Id Arbit Fwd Pkts] (custIngQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.
<p>CustMultiSvcSiteEgrAggrScdrPlcyStats MIB entry name: custMultiSvcSiteEgrStatsEntry Entry description: Egress statistics about a specific customer multi service site egress scheduler. Table description (for custMultiSvcSiteEgrStatsTable): A table that contains egress QoS scheduler statistics for the customer multi service site. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custEgrQosSchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custEgrQosSchedStatsForwardedPackets indicates number of forwarded packets, as determined by the customer multi service site egress scheduler policy.
schedulerName [Scheduler Name] (custEgrQosSchedName)	String	The index of the egress QoS scheduler of this customer multi service site.

Table 507 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteEgrQosArbiterStats MIB entry name: custMssEgrQosArbitStatsEntry Entry description: Each entry represents the egress statistics about a specific customer multi service site egress arbiter. Table description (for custMssEgrQosArbitStatsTable): The custMssEgrQosArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site, organized by arbiter. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssEgrQosArbitName)	String	The value of custMssEgrQosArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custMssEgrQosArbitStatsFwdOcts [Cust Mss Egr Qos Arbit Stats Fwd Octs] (custMssEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custMssEgrQosArbitStatsFwdPkts [Cust Mss Egr Qos Arbit Stats Fwd Pkts] (custMssEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustMultiSvcSiteIngAggrScdrPlcyStats MIB entry name: custMultiSvcSiteIngStatsEntry Entry description: Ingress statistics about a specific customer multi service site ingress scheduler. Table description (for custMultiSvcSiteIngStatsTable): A table that contains ingress QoS scheduler statistics for the customer multi service site. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		

Table 507 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (custIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedPackets indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.
schedulerName [Scheduler Name] (custIngQoS SchedName)	String	The index of the ingress QoS scheduler of this customer multi service site.
<p>CustMultiSvcSiteIngQoSArbiterStats MIB entry name: custMssIngQoSArbitStatsEntry Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter. Table description (for custMssIngQoSArbitStatsTable): The custMssIngQoSArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site, organized by arbiter. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssIngQoSArbitName)	String	The value of custMssIngQoSArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custMssIngQoSArbitStatsFwdOcts [Cust Mss Ing Qos Arbit Stats Fwd Octs] (custMssIngQoSArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssIngQoSArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.

Table 507 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custMssIngQosArbitStatsFwdPkts [Cust Mss Ing Qos Arbit Stats Fwd Pkts] (custMssIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.

Table 508 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appGrpName [App Grp Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSpokeSdpBindingCustRecAppStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSpokeSdpBindingCustRecProtStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSpokeSdpBindingStudyAppStats MIB entry name: tmnxBsxStatAaSubSdyEntry Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType. Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
appName [App Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSpokeSdpBindingStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
GRETunnelStats MIB entry name: tmnxIpTunnelStatsEntry Entry description: The tmnxIpTunnelStatsEntry contains statistics information for a single IP Tunnel. Table description (for tmnxIpTunnelStatsTable): The tmnxIpTunnelStatsTable contains statistics entries per IP tunnel. Supports realtime plotting Supports scheduled collection Monitored class: svt.GRETunnel		
bytesRx [Bytes Rx] (tmnxIpTunnelBytesRx)	java. math. BigInteger	The value of tmnxIpTunnelBytesRx indicates the number of bytes this IP Tunnel has received.
bytesRxHi [Bytes Rx Hi] (tmnxIpTunnelBytesRxHi)	long	The value of tmnxIpTunnelBytesRxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesRx object.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bytesRxLo [Bytes Rx Lo] (tmnxIpTunnelBytesRxLo)	long	The value of tmnxIpTunnelBytesRxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesTx [Bytes Tx] (tmnxIpTunnelBytesTx)	java. math. BigInteger	The value of tmnxIpTunnelBytesTx indicates the number of bytes this IP Tunnel has sent.
bytesTxHi [Bytes Tx Hi] (tmnxIpTunnelBytesTxHi)	long	The value of tmnxIpTunnelBytesTxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesTx object.
bytesTxLo [Bytes Tx Lo] (tmnxIpTunnelBytesTxLo)	long	The value of tmnxIpTunnelBytesTxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesTx object.
invalidChksumRx [Invalid Chksum Rx] (tmnxIpTunnelInvalidChksumRx)	java. math. BigInteger	The value of tmnxIpTunnelInvalidChksumRx indicates the number of packets this IP Tunnel received with invalid checksum and were dropped.
invalidChksumRxHi [Invalid Chksum Rx Hi] (tmnxIpTunnelInvalidChksumRxHi)	long	The value of tmnxIpTunnelInvalidChksumRxHi indicates higher 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
invalidChksumRxLo [Invalid Chksum Rx Lo] (tmnxIpTunnelInvalidChksumRxLo)	long	The value of tmnxIpTunnelInvalidChksumRxLo indicates lower 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
keyIgnoredRx [Key Ignored Rx] (tmnxIpTunnelKeyIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelKeyIgnoredRx indicates the number of packets this IP Tunnel received and processed ignoring key field.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keyIgnoredRxHi [Key Ignored Rx Hi] (tmnxIpTunnelKeyIgnoredRxHi)	long	The value of tmnxIpTunnelKeyIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
keyIgnoredRxLo [Key Ignored Rx Lo] (tmnxIpTunnelKeyIgnoredRxLo)	long	The value of tmnxIpTunnelKeyIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
loopsRx [Loops Rx] (tmnxIpTunnelLoopsRx)	java. math. BigInteger	The value of tmnxIpTunnelLoopsRx indicates the number of packets this IP Tunnel received with payload with destination address which could result in a loop and were dropped.
loopsRxHi [Loops Rx Hi] (tmnxIpTunnelLoopsRxHi)	long	The value of tmnxIpTunnelLoopsRxHi indicates higher 32 bits of the value of tmnxIpTunnelLoopsRx object.
loopsRxLo [Loops Rx Lo] (tmnxIpTunnelLoopsRxLo)	long	The value of tmnxIpTunnelLoopsRxLo indicates lower 32 bits of the value of tmnxIpTunnelLoopsRx object.
pktsRx [Pkts Rx] (tmnxIpTunnelPktsRx)	java. math. BigInteger	The value of tmnxIpTunnelPktsRx indicates the number of packets this IP Tunnel has received.
pktsRxHi [Pkts Rx Hi] (tmnxIpTunnelPktsRxHi)	long	The value of tmnxIpTunnelPktsRxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsRxLo [Pkts Rx Lo] (tmnxIpTunnelPktsRxLo)	long	The value of tmnxIpTunnelPktsRxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsRx object.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsTx [Pkts Tx] (tmnxIpTunnelPktsTx)	java. math. BigInteger	The value of tmnxIpTunnelPktsTx indicates the number of packets this IP Tunnel has sent.
pktsTxHi [Pkts Tx Hi] (tmnxIpTunnelPktsTxHi)	long	The value of tmnxIpTunnelPktsTxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsTx object.
pktsTxLo [Pkts Tx Lo] (tmnxIpTunnelPktsTxLo)	long	The value of tmnxIpTunnelPktsTxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsTx object.
rxErrors [Rx Errors] (tmnxIpTunnelRxErrors)	long	The value of tmnxIpTunnelRxErrors indicates the number of packet receive errors.
seqIgnoredRx [Seq Ignored Rx] (tmnxIpTunnelSeqIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelSeqIgnoredRx indicates the number of packets this IP Tunnel and processed ignoring sequence field.
seqIgnoredRxHi [Seq Ignored Rx Hi] (tmnxIpTunnelSeqIgnoredRxHi)	long	The value of tmnxIpTunnelSeqIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
seqIgnoredRxLo [Seq Ignored Rx Lo] (tmnxIpTunnelSeqIgnoredRxLo)	long	The value of tmnxIpTunnelSeqIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
tooBigTx [Too Big Tx] (tmnxIpTunnelTooBigTx)	java. math. BigInteger	The value of tmnxIpTunnelTooBigTx indicates the number of packets this IP Tunnel received which were too big to transmit.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tooBigTxHi [Too Big Tx Hi] (tmnxIpTunnelTooBigTxHi)	long	The value of tmnxIpTunnelTooBigTxHi indicates higher 32 bits of the value of tmnxIpTunnelTooBigTx object.
tooBigTxLo [Too Big Tx Lo] (tmnxIpTunnelTooBigTxLo)	long	The value of tmnxIpTunnelTooBigTxLo indicates lower 32 bits of the value of tmnxIpTunnelTooBigTx object.
txErrors [Tx Errors] (tmnxIpTunnelTxErrors)	long	The value of tmnxIpTunnelTxErrors indicates the number of packet transmit errors.
versUnsupRx [Vers Unsup Rx] (tmnxIpTunnelVersUnsupRx)	java. math. BigInteger	The value of tmnxIpTunnelVersUnsupRx indicates the number of packets this IP Tunnel received with unsupported IP version and were dropped.
versUnsupRxHi [Vers Unsup Rx Hi] (tmnxIpTunnelVersUnsupRxHi)	long	The value of tmnxIpTunnelVersUnsupRxHi indicates higher 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
versUnsupRxLo [Vers Unsup Rx Lo] (tmnxIpTunnelVersUnsupRxLo)	long	The value of tmnxIpTunnelVersUnsupRxLo indicates lower 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingBaseStats</p> <p>MIB entry name: sdpBindBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SDP Binding.</p> <p>Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmPsnpgErrorStats</p> <p>MIB entry name: sdpBindIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindIgmPsnpgStatsEntry is an entry in the sdpBindIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmPsnpgStatsTable): sdpBindIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgImportPolicyDrops [Sdp Bnd Igm Psnpg Import Policy Drops] (sdpBndIgmPsnpgImportPolicyDrops)	long	The value of the object sdpBndIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmPsnpgMaxNumGroupsDrops [Sdp Bnd Igm Psnpg Max Num Groups Drops] (sdpBndIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmPsnpgMaxNumGrpSourcesDrops [Sdp Bnd Igm Psnpg Max Num Grp Sources Drops] (sdpBndIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SDP Bind.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd IgmP Snpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.

Table 508 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 509 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESSs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESs)	long	The number of Line Errored Seconds.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
<p>DS1FarEndCurrentStats MIB entry name: dsx1FarEndCurrentEntry Entry description: An entry in the DS1 Far End Current table. Table description (for dsx1FarEndCurrentTable): The DS1 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end messages on the Facilities Data Link. The definitions are the same as described for the near-end information. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndCurrentBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndCurrentCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndCurrentDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndCurrentESs)	long	The number of Far End Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx1FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx1FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndCurrentLESs)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndCurrentPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndCurrentSEFSs)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndCurrentSEsSs)	long	The number of Far End Severely Errored Seconds.
timeElapsed [Time Elapsed] (dsx1FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1FarEndCurrentUASs)	long	The number of Unavailable Seconds.
validIntervals [Valid Intervals] (dsx1FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS1FarEndIntervalStats MIB entry name: dsx1FarEndIntervalEntry Entry description: An entry in the DS1 Far End Interval table. Table description (for dsx1FarEndIntervalTable): The DS1 Far End Interval Table contains various statistics collected by each DS1 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1FarEndIntervalNumber) for one specific instance (identified by dsx1FarEndIntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndIntervalBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndIntervalCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndIntervalDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndIntervalESs)	long	The number of Far End Errored Seconds.
intervalNumber [Interval Number] (dsx1FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndIntervalLESs)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndIntervalPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndIntervalSEFSs)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndIntervalSESSs)	long	The number of Far End Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndIntervalUASs)	long	The number of Unavailable Seconds.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1FarEndTotalStats</p> <p>MIB entry name: dsx1FarEndTotalEntry</p> <p>Entry description: An entry in the DS1 Far End Total table.</p> <p>Table description (for dsx1FarEndTotalTable): The DS1 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndTotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndTotalCSSs)	long	The number of Far End Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1FarEndTotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1FarEndTotalESs)	long	The number of Far End Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndTotalLESs)	long	The number of Far End Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pathCodingViolations [Path Coding Violations] (dsx1FarEndTotalPCVs)	long	The number of Far End Path Coding Violations reported via the far end block error count encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndTotalSEFSs)	long	The number of Far End Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndTotalSEsS)	long	The number of Far End Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndTotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESSs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3CurrentStats MIB entry name: dsx3CurrentEntry Entry description: An entry in the DS3/E3 Current table. Table description (for dsx3CurrentTable): The DS3/E3 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3CurrentCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3CurrentCESSs)	long	The number of C-bit Errored Seconds.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3CurrentCSEs)	long	The number of C-bit Severely Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx3CurrentLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3CurrentLEs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx3CurrentPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3CurrentPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3CurrentPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3CurrentSEFs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3CurrentUASs)	long	The counter associated with the number of Unavailable Seconds.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3FarEndCurrentStats</p> <p>MIB entry name: dsx3FarEndCurrentEntry</p> <p>Entry description: An entry in the DS3 Far End Current table.</p> <p>Table description (for dsx3FarEndCurrentTable): The DS3 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end block error code within the C-bits.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndCurrentCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndCurrentCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndCurrentCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx3FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx3FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
timeElapsed [Time Elapsed] (dsx3FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndCurrentUASs)	long	The counter associated with the number of Far End unavailable seconds.
validIntervals [Valid Intervals] (dsx3FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS3FarEndIntervalStats MIB entry name: dsx3FarEndIntervalEntry Entry description: An entry in the DS3 Far End Interval table. Table description (for dsx3FarEndIntervalTable): The DS3 Far End Interval Table contains various statistics collected by each DS3 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndIntervalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndIntervalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in one of the previous 96, individual 15 minute, intervals. In the case where the agent is a proxy and data is not available, return noSuchInstance.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndIntervalCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
unavailableSeconds [Unavailable Seconds] (dsx3FarEndIntervalUASs)	long	The counter associated with the number of Far End unavailable seconds.
<p>DS3FarEndTotalStats MIB entry name: dsx3FarEndTotalEntry Entry description: An entry in the DS3 Far End Total table. Table description (for dsx3FarEndTotalTable): The DS3 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndTotalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndTotalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndTotalCSESs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndTotalUASs)	long	The counter associated with the number of Far End unavailable seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>DS3IntervalStats</p> <p>MIB entry name: dsx3IntervalEntry</p> <p>Entry description: An entry in the DS3/E3 Interval table.</p> <p>Table description (for dsx3IntervalTable): The DS3/E3 Interval Table contains various statistics collected by each DS3/E3 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx3IntervalNumber) and for one specific interface (identified by dsx3IntervalIndex).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3IntervalCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3IntervalCESs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3IntervalCSESs)	long	The number of C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineCodingViolations [Line Coding Violations] (dsx3IntervalLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3IntervalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences).
pBitCodingViolations [PBit Coding Violations] (dsx3IntervalPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3IntervalPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3IntervalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3IntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3IntervalUASs)	long	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS3TotalStats MIB entry name: dsx3TotalEntry Entry description: An entry in the DS3/E3 Total table. Table description (for dsx3TotalTable): The DS3/E3 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3TotalCCVs)	long	The number of C-bit Coding Violations encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3TotalCESSs)	long	The number of C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3TotalCSESs)	long	The number of C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx3TotalLCVs)	long	The counter associated with the number of Line Coding Violations encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx3TotalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences) encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx3TotalPCVs)	long	The counter associated with the number of P-bit Coding Violations, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 509 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitErroredSeconds [PBit Errored Seconds] (dsx3TotalPESs)	long	The counter associated with the number of P-bit Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3TotalPSEs)	long	The counter associated with the number of P-bit Severely Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3TotalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds, encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx3TotalUASs)	long	The counter associated with the number of Unavailable Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 510 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CaptureL2AccessInterfaceStats MIB entry name: msapCaptureSapStatsEntry Entry description: Statistics for a specific 'capture' SAP. Table description (for msapCaptureSapStatsTable): A table that contains statistics for SAPs with a sapSubType value of 'capture'. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface		
captureSapTriggerType [Capture Sap Trigger Type] (msapCaptureSapStatsTriggerType)	int	The value of msapCaptureSapStatsTriggerType indicates the type of trigger packets this entry is for.
droppedPackets [Dropped Packets] (msapCaptureSapStatsPktsDropped)	long	The value of msapCaptureSapStatsPktsDropped indicates the number of packets dropped on this 'capture' SAP.
receivedPackets [Received Packets] (msapCaptureSapStatsPktsRecvd)	long	The value of msapCaptureSapStatsPktsRecvd indicates the number of packets received on this 'capture' SAP.
redirectPackets [Redirect Packets] (msapCaptureSapStatsPktsRedirect)	long	The value of msapCaptureSapStatsPktsRedirect indicates the number of packets redirected on this 'capture' SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CircuitDhcpRelayCfgStats</p> <p>MIB entry name: sdpBindDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS spoke SDP or mesh SDP.</p> <p>Table description (for sdpBindDhcpStatsTable): sdpBindDhcpStatsTable contains DHCP statistics related to a TLS SDP Bind. A row will exist in this table for each spoke or mesh SDP in a TIs Service. Rows are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svt.SdpBinding</p>		
sdpBindDhcpStatsClntDropdPckts [Sdp Bind Dhcp Stats Clnt Dropd Pckts] (sdpBindDhcpStatsClntDropdPckts)	long	The value of the object sdpBindDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SDP bind.
sdpBindDhcpStatsClntForwdPckts [Sdp Bind Dhcp Stats Clnt Forwd Pckts] (sdpBindDhcpStatsClntForwdPckts)	long	The value of the object sdpBindDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsClntProxLSPckts [Sdp Bind Dhcp Stats Clnt Prox LSPckts] (sdpBindDhcpStatsClntProxLSPckts)	long	The value of the object sdpBindDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sdpBindDhcpStatsClntProxNqPckts [Sdp Bind Dhcp Stats Clnt Prox Nq Pckts] (sdpBindDhcpStatsClntProxNqPckts)	long	The value of the object sdpBindDhcpStatsClntProxNqPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a Diameter NASREQ server.
sdpBindDhcpStatsClntProxRadPckts [Sdp Bind Dhcp Stats Clnt Prox Rad Pckts] (sdpBindDhcpStatsClntProxRadPckts)	long	The value of the object sdpBindDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a RADIUS server.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBindDhcpStatsClntSnoopdPkts [Sdp Bind Dhcp Stats Clnt Snoopd Pkts] (sdpBindDhcpStatsClntSnoopdPkts)	long	The value of the object sdpBindDhcpStatsClntSnoopdPkts indicates the number of DHCP client packets that have been snooped on this SDP bind.
sdpBindDhcpStatsGenForceRenPkts [Sdp Bind Dhcp Stats Gen Force Ren Pkts] (sdpBindDhcpStatsGenForceRenPkts)	long	The value of the object sdpBindDhcpStatsGenForceRenPkts indicates the number of DHCP FORCERENEW messages spoofed on this SDP bind to the DHCP clients.
sdpBindDhcpStatsGenReleasePkts [Sdp Bind Dhcp Stats Gen Release Pkts] (sdpBindDhcpStatsGenReleasePkts)	long	The value of the object sdpBindDhcpStatsGenReleasePkts indicates the number of DHCP RELEASE messages spoofed on this SDP bind to the DHCP server.
sdpBindDhcpStatsSrvrDropdPkts [Sdp Bind Dhcp Stats Srvr Dropd Pkts] (sdpBindDhcpStatsSrvrDropdPkts)	long	The value of the object sdpBindDhcpStatsSrvrDropdPkts indicates the number of DHCP server packets that have been dropped on this SDP bind.
sdpBindDhcpStatsSrvrForwdPkts [Sdp Bind Dhcp Stats Srvr Forwd Pkts] (sdpBindDhcpStatsSrvrForwdPkts)	long	The value of the object sdpBindDhcpStatsSrvrForwdPkts indicates the number of DHCP server packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsSrvrSnoopdPkts [Sdp Bind Dhcp Stats Srvr Snoopd Pkts] (sdpBindDhcpStatsSrvrSnoopdPkts)	long	The value of the object sdpBindDhcpStatsSrvrSnoopdPkts indicates the number of DHCP server packets that have been snooped on this SDP bind.
<p>DynSvcCaptureSapDropStats MIB entry name: tmnxDynSvcCaptureSapDropEntry Entry description: Each conceptual row represents information about a specific drop reason. Rows are created and destroyed automatically by the system. Table description (for tmnxDynSvcCaptureSapDropTable): The tmnxDynSvcCaptureSapDropTable contains data-trigger related drop statistics about the capture SAPs of this system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface</p>		

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropNoDynamicSap [Drop No Dynamic Sap] (tmnxDynSvcCSapDropCounter)	long	The value of tmnxDynSvcCSapDropCounter indicates the amount of data-triggers dropped corresponding to this row.
statsId [Stats Id] (tmnxDynSvcCSapDropIndex)	long	The value of tmnxDynSvcCSapDropIndex specifies the index of this row.
<p>DynSvcCaptureSapStats MIB entry name: tmnxDynSvcCaptureSapStatsEntry Entry description: Each conceptual row represents statistics about a particular capture SAP. Rows are created and destroyed automatically by the system. Table description (for tmnxDynSvcCaptureSapStatsTable): The tmnxDynSvcCaptureSapStatsTable contains statistics about the capture SAPs of this system. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface</p>		
receivedPackets [Received Packets] (tmnxDynSvcCSapStatsRxPackets)	long	The value of tmnxDynSvcCSapStatsRxPackets indicates the total number of data packets received by this capture SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EvpnMplsIgmPsnpgErrorStats</p> <p>MIB entry name: eMplsIgmPsnpgStatsEntry</p> <p>Entry description: eMplsIgmPsnpgStatsEntry is an entry in the eMplsIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for an evpn-mpls in a TIs.</p> <p>Table description (for eMplsIgmPsnpgStatsTable): eMplsIgmPsnpgStatsTable contains statistics on IGMP snooping per evpn-mpls.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.BSite • vpls.ISite • vpls.Site 		
eMplsIgmPsnpgImportPolicyDrops [EMpls IgmPsnpg Import Policy Drops] (eMplsIgmPsnpgImportPolicyDrops)	long	The value of the object eMplsIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this evpn-mpls.
eMplsIgmPsnpgMaxNumGroupsDrops [EMpls IgmPsnpg Max Num Groups Drops] (eMplsIgmPsnpgMaxNumGroupsDrops)	long	The value of the object eMplsIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this evpn-mpls.
eMplsIgmPsnpgMaxNumGrpSrcsDrops [EMpls IgmPsnpg Max Num Grp Srcs Drops] (eMplsIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object eMplsIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this evpn-mpls.
eMplsIgmPsnpgMaxNumSourcesDrops [EMpls IgmPsnpg Max Num Sources Drops] (eMplsIgmPsnpgMaxNumSourcesDrops)	long	The value of the object eMplsIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this evpn-mpls.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgMcacPolicyDrops [EMpls Igmp SnpG Mcac Policy Drops] (eMplsIgmPsnpgMcacPolicyDrops)	long	The value of the object eMplsIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this evpn-mpls.
eMplsIgmPsnpgMcsFailures [EMpls Igmp SnpG Mcs Failures] (eMplsIgmPsnpgMcsFailures)	long	The value of the object eMplsIgmPsnpgMcsFailures indicates the number of times an IGMP Group on this evpn-mpls could not be synced to the MCS (multi-chassis synchronization) database.
eMplsIgmPsnpgRxBadEncodedPkts [EMpls Igmp SnpG Rx Bad Encoded Pkts] (eMplsIgmPsnpgRxBadEncodedPkts)	long	The value of the object eMplsIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this evpn-mpls because of a bad encoding.
eMplsIgmPsnpgRxBadIgmPChkSmPkts [EMpls Igmp SnpG Rx Bad Igmp ChkSm Pkts] (eMplsIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object eMplsIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this evpn-mpls because of a bad IGMP header checksum.
eMplsIgmPsnpgRxBadIpChkSmPkts [EMpls Igmp SnpG Rx Bad Ip ChkSm Pkts] (eMplsIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object eMplsIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this evpn-mpls because of a bad IPv4 header checksum.
eMplsIgmPsnpgRxBadLenPkts [EMpls Igmp SnpG Rx Bad Len Pkts] (eMplsIgmPsnpgRxBadLenPkts)	long	The value of the object eMplsIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this evpn-mpls because of a bad length.
eMplsIgmPsnpgRxLocalScopePkts [EMpls Igmp SnpG Rx Local Scope Pkts] (eMplsIgmPsnpgRxLocalScopePkts)	long	The value of the object eMplsIgmPsnpgRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv6 multicast address.
eMplsIgmPsnpgRxNoRtrAlertPkts [EMpls Igmp SnpG Rx No Rtr Alert Pkts] (eMplsIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object eMplsIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this evpn-mpls because the Router Alert Option in the IP packet is not set.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgRxRsvdScopePkts [EMpls Igmp Snpg Rx Rsvd Scope Pkts] (eMplsIgmPsnpgRxRsvdScopePkts)	long	The value of the object eMplsIgmPsnpgRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv6 multicast address.
eMplsIgmPsnpgRxWrongVersionPkts [EMpls Igmp Snpg Rx Wrong Version Pkts] (eMplsIgmPsnpgRxWrongVersionPkts)	long	The value of the object eMplsIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this evpn-mpls.
eMplsIgmPsnpgRxZeroSrcAdrPkts [EMpls Igmp Snpg Rx Zero Src Adr Pkts] (eMplsIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object eMplsIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this evpn-mpls because they contain a zero source IPv4 address.
eMplsIgmPsnpgSendQueryCfgDrops [EMpls Igmp Snpg Send Query Cfg Drops] (eMplsIgmPsnpgSendQueryCfgDrops)	long	The value of the object eMplsIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmPsnpgCfgSendQueries for this evpn-mpls is set to 'enabled(1)'.
<p>EvpnMplsIgmPsnpgStats MIB entry name: eMplsIgmPsnpgStatsEntry Entry description: eMplsIgmPsnpgStatsEntry is an entry in the eMplsIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for an evpn-mpls in a TIs. Table description (for eMplsIgmPsnpgStatsTable): eMplsIgmPsnpgStatsTable contains statistics on IGMP snooping per evpn-mpls. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • vpls.BSite • vpls.ISite • vpls.Site 		
eMplsIgmPsnpgFwdGenQueries [EMpls Igmp Snpg Fwd Gen Queries] (eMplsIgmPsnpgFwdGenQueries)	long	The value of the object eMplsIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this evpn-mpls.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmpSnpGfwdGrpSpecQueries [EMpls Igmp SnpG Fwd Grp Spec Queries] (eMplsIgmpSnpGfwdGrpSpecQueries)	long	The value of the object eMplsIgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this evpn-mpls.
eMplsIgmpSnpGfwdSrcSpecQueries [EMpls Igmp SnpG Fwd Src Spec Queries] (eMplsIgmpSnpGfwdSrcSpecQueries)	long	The value of the object eMplsIgmpSnpGfwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this evpn-mpls.
eMplsIgmpSnpGfwdUnknownType [EMpls Igmp SnpG Fwd Unknown Type] (eMplsIgmpSnpGfwdUnknownType)	long	The value of the object eMplsIgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this evpn-mpls.
eMplsIgmpSnpGfwdV1Reports [EMpls Igmp SnpG Fwd V1 Reports] (eMplsIgmpSnpGfwdV1Reports)	long	The value of the object eMplsIgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this evpn-mpls.
eMplsIgmpSnpGfwdV2Leaves [EMpls Igmp SnpG Fwd V2 Leaves] (eMplsIgmpSnpGfwdV2Leaves)	long	The value of the object eMplsIgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this evpn-mpls.
eMplsIgmpSnpGfwdV2Reports [EMpls Igmp SnpG Fwd V2 Reports] (eMplsIgmpSnpGfwdV2Reports)	long	The value of the object eMplsIgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this evpn-mpls.
eMplsIgmpSnpGfwdV3Reports [EMpls Igmp SnpG Fwd V3 Reports] (eMplsIgmpSnpGfwdV3Reports)	long	The value of the object eMplsIgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this evpn-mpls.
eMplsIgmpSnpGRxGenQueries [EMpls Igmp SnpG Rx Gen Queries] (eMplsIgmpSnpGRxGenQueries)	long	The value of the object eMplsIgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this evpn-mpls.
eMplsIgmpSnpGRxGrpSpecQueries [EMpls Igmp SnpG Rx Grp Spec Queries] (eMplsIgmpSnpGRxGrpSpecQueries)	long	The value of the object eMplsIgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this evpn-mpls.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgRxSrcSpecQueries [EMpls IgmP SnpG Rx Src Spec Queries] (eMplsIgmPsnpgRxSrcSpecQueries)	long	The value of the object eMplsIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this evpn-mpls.
eMplsIgmPsnpgRxUnknownType [EMpls IgmP SnpG Rx Unknown Type] (eMplsIgmPsnpgRxUnknownType)	long	The value of the object eMplsIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this evpn-mpls.
eMplsIgmPsnpgRxV1Reports [EMpls IgmP SnpG Rx V1 Reports] (eMplsIgmPsnpgRxV1Reports)	long	The value of the object eMplsIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this evpn-mpls.
eMplsIgmPsnpgRxV2Leaves [EMpls IgmP SnpG Rx V2 Leaves] (eMplsIgmPsnpgRxV2Leaves)	long	The value of the object eMplsIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this evpn-mpls.
eMplsIgmPsnpgRxV2Reports [EMpls IgmP SnpG Rx V2 Reports] (eMplsIgmPsnpgRxV2Reports)	long	The value of the object eMplsIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this evpn-mpls.
eMplsIgmPsnpgRxV3Reports [EMpls IgmP SnpG Rx V3 Reports] (eMplsIgmPsnpgRxV3Reports)	long	The value of the object eMplsIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this evpn-mpls.
eMplsIgmPsnpgTxGenQueries [EMpls IgmP SnpG Tx Gen Queries] (eMplsIgmPsnpgTxGenQueries)	long	The value of the object eMplsIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this evpn-mpls.
eMplsIgmPsnpgTxGrpSpecQueries [EMpls IgmP SnpG Tx Grp Spec Queries] (eMplsIgmPsnpgTxGrpSpecQueries)	long	The value of the object eMplsIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this evpn-mpls.
eMplsIgmPsnpgTxSrcSpecQueries [EMpls IgmP SnpG Tx Src Spec Queries] (eMplsIgmPsnpgTxSrcSpecQueries)	long	The value of the object eMplsIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this evpn-mpls.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgTxV1Reports [EMpls Igmp Snpg Tx V1 Reports] (eMplsIgmPsnpgTxV1Reports)	long	The value of the object eMplsIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV2Leaves [EMpls Igmp Snpg Tx V2 Leaves] (eMplsIgmPsnpgTxV2Leaves)	long	The value of the object eMplsIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV2Reports [EMpls Igmp Snpg Tx V2 Reports] (eMplsIgmPsnpgTxV2Reports)	long	The value of the object eMplsIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV3Reports [EMpls Igmp Snpg Tx V3 Reports] (eMplsIgmPsnpgTxV3Reports)	long	The value of the object eMplsIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this evpn-mpls.
InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfRxBadEncodings [Tmnx Pim Snpg If Rx Bad Encodings] (tmnxPimSnpgIfRxBadEncodings)	long	The value of tmnxPimSnpgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
tmnxPimSnpgIfRxBadVersionDscrd [Tmnx Pim Snpg If Rx Bad Version Dscrd] (tmnxPimSnpgIfRxBadVersionDscrd)	long	The value of tmnxPimSnpgIfRxBadVersionDscrd indicates the number of PIM messages with bad versions received on this interface.
tmnxPimSnpgIfRxHellos [Tmnx Pim Snpg If Rx Hellos] (tmnxPimSnpgIfRxHellos)	long	The value of tmnxPimSnpgIfRxHellos indicates the number of PIM hello messages received on this interface.
tmnxPimSnpgIfRxHellosDropped [Tmnx Pim Snpg If Rx Hellos Dropped] (tmnxPimSnpgIfRxHellosDropped)	long	The value of tmnxPimSnpgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
tmnxPimSnpgIfRxJoinPruneErrs [Tmnx Pim Snpg If Rx Join Prune Errs] (tmnxPimSnpgIfRxJoinPruneErrs)	long	The value of tmnxPimSnpgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
tmnxPimSnpgIfRxJoinPrunes [Tmnx Pim Snpg If Rx Join Prunes] (tmnxPimSnpgIfRxJoinPrunes)	long	The value of tmnxPimSnpgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
tmnxPimSnpgIfRxBadVersionDscrd [Tmnx Pim Snpg If Rx Nbr Unknown] (tmnxPimSnpgIfRxBadVersionDscrd)	long	The value of tmnxPimSnpgIfRxBadVersionDscrd indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
tmnxPimSnpgIfRxPkts [Tmnx Pim Snpg If Rx Pkts] (tmnxPimSnpgIfRxPkts)	long	The value of tmnxPimSnpgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfSGTypes [Tmnx Pim Snpg If SGTypes] (tmnxPimSnpgIfSGTypes)	long	The value of tmnxPimSnpgIfSGTypes indicates the number of (S,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfStarGTypes [Tmnx Pim Snpg If Star GTypes] (tmnxPimSnpgIfStarGTypes)	long	The value of tmnxPimSnpgIfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfTxJoinPrunes [Tmnx Pim Snpg If Tx Join Prunes] (tmnxPimSnpgIfTxJoinPrunes)	long	The value of tmnxPimSnpgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpgIfTxPkts [Tmnx Pim Snpg If Tx Pkts] (tmnxPimSnpgIfTxPkts)	long	The value of tmnxPimSnpgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>L2AccessInterfaceIgmppSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmpp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgMaxNumGroupsDrops [Sap Igmp Snpg Max Num Groups Drops] (sapIgmPsnPgMaxNumGroupsDrops)	long	The value of the object sapIgmPsnPgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapIgmPsnPgMaxNumGrpSourcesDrops [Sap Igmp Snpg Max Num Grp Sources Drops] (sapIgmPsnPgMaxNumGrpSrcsDrops)	long	The value of the object sapIgmPsnPgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SAP.
sapIgmPsnPgMaxNumSourcesDrops [Sap Igmp Snpg Max Num Sources Drops] (sapIgmPsnPgMaxNumSourcesDrops)	long	The value of the object sapIgmPsnPgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
sapIgmPsnPgMcacPolicyDrops [Sap Igmp Snpg Mcac Policy Drops] (sapIgmPsnPgMcacPolicyDrops)	long	The value of the object sapIgmPsnPgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.
sapIgmPsnPgMcsFailures [Sap Igmp Snpg Mcs Failures] (sapIgmPsnPgMcsFailures)	long	The value of the object sapIgmPsnPgMcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapIgmPsnPgRxBadEncodedPkts [Sap Igmp Snpg Rx Bad Encoded Pkts] (sapIgmPsnPgRxBadEncodedPkts)	long	The value of the object sapIgmPsnPgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
sapIgmPsnPgRxBadIgmPChkSmPkts [Sap Igmp Snpg Rx Bad Igmp ChkSm Pkts] (sapIgmPsnPgRxBadIgmPChkSmPkts)	long	The value of the object sapIgmPsnPgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
sapIgmPsnPgRxBadIpChkSmPkts [Sap Igmp Snpg Rx Bad Ip ChkSm Pkts] (sapIgmPsnPgRxBadIpChkSmPkts)	long	The value of the object sapIgmPsnPgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadLenPkts [Sap Igmp SnpgrxBadLenPkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap Igmp SnpgrxNoRtrAlertPkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap Igmp SnpgrxWrongVersionPkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap Igmp SnpgrxZeroSrcAdrPkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpgrSendQueryCfgDrops [Sap Igmp SnpgrSendQueryCfgDrops] (saplgmpSnpgrSendQueryCfgDrops)	long	The value of the object saplgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this SAP is set to 'enabled(1)'. L2AccessInterfaceIgmprSnpgrStats MIB entry name: saplgmpSnpgrStatsEntry Entry description: saplgmpSnpgrStatsEntry is an entry in the saplgmpSnpgrStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for saplgmpSnpgrStatsTable): saplgmpSnpgrStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGenQueries [Sap Igmp SnpG Fwd Gen Queries] (saplgmpSnpGfwdGenQueries)	long	The value of the object saplgmpSnpGfwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdSrcSpecQueries [Sap Igmp SnpG Fwd Src Spec Queries] (saplgmpSnpGfwdSrcSpecQueries)	long	The value of the object saplgmpSnpGfwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxGrpSpecQueries [Sap Igmp Snpgrx Grp Spec Queries] (saplgmpSnpgrxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgTxSrcSpecQueries [Sap Igmp SnpG Tx Src Spec Queries] (sapIgmPsnPgTxSrcSpecQueries)	long	The value of the object sapIgmPsnPgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.
sapIgmPsnPgTxV1Reports [Sap Igmp SnpG Tx V1 Reports] (sapIgmPsnPgTxV1Reports)	long	The value of the object sapIgmPsnPgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
sapIgmPsnPgTxV2Leaves [Sap Igmp SnpG Tx V2 Leaves] (sapIgmPsnPgTxV2Leaves)	long	The value of the object sapIgmPsnPgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
sapIgmPsnPgTxV2Reports [Sap Igmp SnpG Tx V2 Reports] (sapIgmPsnPgTxV2Reports)	long	The value of the object sapIgmPsnPgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
sapIgmPsnPgTxV3Reports [Sap Igmp SnpG Tx V3 Reports] (sapIgmPsnPgTxV3Reports)	long	The value of the object sapIgmPsnPgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
L2AccessInterfaceMldMvrStats MIB entry name: sapMldSnpGStatsEntry Entry description: sapMldSnpGStatsEntry is an entry in the sapMldSnpGStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs. Table description (for sapMldSnpGStatsTable): sapMldSnpGStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapMldSnpGMvrFromVplsCfgDrops [Sap Mld SnpG Mvr From Vpls Cfg Drops] (sapMldSnpGMvrFromVplsCfgDrops)	long	The value of the object sapMldSnpGMvrFromVplsCfgDrops indicates the number of times an MLD group or Query is dropped because of applying the sapMldSnpGCfgMvrFromVplsId configuration on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgMvrToSapCfgDrops [Sap Mld Snpg Mvr To Sap Cfg Drops] (sapMldSnpgMvrToSapCfgDrops)	long	The value of the object sapMldSnpgMvrToSapCfgDrops indicates the number times an MLD Report or Query is dropped because of applying the sapMldSnpgCfgMvrToSapPortId and sapMldSnpgCfgMvrToSapEncapVal configuration on this SAP.
L2AccessInterfaceMldSnpgErrorStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'. L2AccessInterfaceMldSnpgStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats MIB entry name: saplgmpSnpgStatsEntry Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpgMvrFromVplsCfgDrops [Sap Igmp Snpg Mvr From Vpls Cfg Drops] (saplgmpSnpgMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpgCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpgMvrToSapCfgDrops [Sap Igmp Snpg Mvr To Sap Cfg Drops] (saplgmpSnpgMvrToSapCfgDrops)	long	The value of the object saplgmpSnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpgCfgMvrToSapPortId and saplgmpSnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTlsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTlsDhcpStatsTable): sapTlsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTlsInfoTable, and contains an entry for each Tls SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTlsDhcpStatsCIntDropdPckts [Sap Tls Dhcp Stats CInt Dropd Pckts] (sapTlsDhcpStatsCIntDropdPckts)	long	The value of the object sapTlsDhcpStatsCIntDropdPckts indicates the number of DHCP client packets that have been dropped on this SAP.
sapTlsDhcpStatsCIntForwdPckts [Sap Tls Dhcp Stats CInt Forwd Pckts] (sapTlsDhcpStatsCIntForwdPckts)	long	The value of the object sapTlsDhcpStatsCIntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsCIntProxLSPckts [Sap Tls Dhcp Stats CInt Prox LSPckts] (sapTlsDhcpStatsCIntProxLSPckts)	long	The value of the object sapTlsDhcpStatsCIntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsCIntProxLUDBPckts [Sap Tls Dhcp Stats CInt Prox LUDBPckts] (sapTlsDhcpStatsCIntProxLUDBPckts)	long	The value of the object sapTlsDhcpStatsCIntProxLUDBPckts indicates the number of DHCP client packets that have been proxied on this SAP based on the local user database.
sapTlsDhcpStatsCIntProxNqPckts [Sap Tls Dhcp Stats CInt Prox Nq Pckts] (sapTlsDhcpStatsCIntProxNqPckts)	long	The value of the object sapTlsDhcpStatsCIntProxNqPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a Diameter NASREQ server.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgErrorStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'. SdpBindingMldSnpgStats MIB entry name: sdpBindMldSnpgStatsEntry Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SDP Bind in a TIs. Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SdpBindingMldSnpgCfg

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.
numStarGTypes [Num Star GTypes] (tmnxPimSnpgGenStatsStarGTypes)	long	The value of tmnxPimSnpgGenStatsStarGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'starG'.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteSourceGroupRecordPimSnoopingStats</p> <p>MIB entry name: tmnxPimSnpGrpSrcStatsEntry</p> <p>Entry description: An entry in the tmnxPimSnpGrpSrcStatsTable.</p> <p>Table description (for tmnxPimSnpGrpSrcStatsTable): tmnxPimSnpGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpGrpSrcStatsFwdedOct [Tmnx Pim Snp Grp Src Stats Fwded Oct] (tmnxPimSnpGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpGrpSrcStatsFwdedPkts [Tmnx Pim Snp Grp Src Stats Fwded Pkts] (tmnxPimSnpGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGrpSrcClfTable lists all the interfaces in the outgoing interface list.
<p>VxlanIcmpSnpErrorStats</p> <p>MIB entry name: vxlanIcmpSnpStatsEntry</p> <p>Entry description: vxlanIcmpSnpStatsEntry is an entry in the vxlanIcmpSnpStatsTable. Each entry contains IGMP snooping statics for a VXLAN in a TIs.</p> <p>Table description (for vxlanIcmpSnpStatsTable): vxlanIcmpSnpStatsTable contains statistics on IGMP snooping per VXLAN.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.Site</p>		
vxlanIcmpSnpImportPolicyDrops [Vxlan Icmp Snp Import Policy Drops] (vxlanIcmpSnpImportPolicyDrops)	long	The value of the object vxlanIcmpSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this VXLAN.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIcmpSnpgMaxNumGroupsDrops [Vxlan Icmp Snpg Max Num Groups Drops] (vxlanIcmpSnpgMaxNumGroupsDrops)	long	The value of the object vxlanIcmpSnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this VXLAN.
vxlanIcmpSnpgMaxNumGrpSrcsDrops [Vxlan Icmp Snpg Max Num Grp Srcs Drops] (vxlanIcmpSnpgMaxNumGrpSrcsDrops)	long	The value of the object vxlanIcmpSnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this VXLAN.
vxlanIcmpSnpgMaxNumSourcesDrops [Vxlan Icmp Snpg Max Num Sources Drops] (vxlanIcmpSnpgMaxNumSourcesDrops)	long	The value of the object vxlanIcmpSnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this VXLAN.
vxlanIcmpSnpgMcacPolicyDrops [Vxlan Icmp Snpg Mcac Policy Drops] (vxlanIcmpSnpgMcacPolicyDrops)	long	The value of the object vxlanIcmpSnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this VXLAN.
vxlanIcmpSnpgMcsFailures [Vxlan Icmp Snpg Mcs Failures] (vxlanIcmpSnpgMcsFailures)	long	The value of the object vxlanIcmpSnpgMcsFailures indicates the number of times an IGMP Group on this VXLAN could not be synced to the MCS (multi-chassis synchronization) database.
vxlanIcmpSnpgRxBadEncodedPkts [Vxlan Icmp Snpg Rx Bad Encoded Pkts] (vxlanIcmpSnpgRxBadEncodedPkts)	long	The value of the object vxlanIcmpSnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this VXLAN because of a bad encoding.
vxlanIcmpSnpgRxBadIcmpChksumPkts [Vxlan Icmp Snpg Rx Bad Icmp Chksum Pkts] (vxlanIcmpSnpgRxBadIcmpChksumPkts)	long	The value of the object vxlanIcmpSnpgRxBadIcmpChksumPkts indicates the number of dropped IGMP packets on this VXLAN because of a bad IGMP header checksum.
vxlanIcmpSnpgRxBadIpChksumPkts [Vxlan Icmp Snpg Rx Bad Ip Chksum Pkts] (vxlanIcmpSnpgRxBadIpChksumPkts)	long	The value of the object vxlanIcmpSnpgRxBadIpChksumPkts indicates the number of dropped IGMP packets on this VXLAN because of a bad IPv4 header checksum.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIcmpSnpgRxBadLenPkts [Vxlan Icmp Snpg Rx Bad Len Pkts] (vxlanIcmpSnpgRxBadLenPkts)	long	The value of the object vxlanIcmpSnpgRxBadLenPkts indicates the number of IGMP packets dropped on this VXLAN because of a bad length.
vxlanIcmpSnpgRxLocalScopePkts [Vxlan Icmp Snpg Rx Local Scope Pkts] (vxlanIcmpSnpgRxLocalScopePkts)	long	The value of the object vxlanIcmpSnpgRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv6 multicast address.
vxlanIcmpSnpgRxNoRtrAlertPkts [Vxlan Icmp Snpg Rx No Rtr Alert Pkts] (vxlanIcmpSnpgRxNoRtrAlertPkts)	long	The value of the object vxlanIcmpSnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this VXLAN because the Router Alert Option in the IP packet is not set.
vxlanIcmpSnpgRxRsvdScopePkts [Vxlan Icmp Snpg Rx Rsvd Scope Pkts] (vxlanIcmpSnpgRxRsvdScopePkts)	long	The value of the object vxlanIcmpSnpgRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv6 multicast address.
vxlanIcmpSnpgRxWrongVersionPkts [Vxlan Icmp Snpg Rx Wrong Version Pkts] (vxlanIcmpSnpgRxWrongVersionPkts)	long	The value of the object vxlanIcmpSnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this VXLAN.
vxlanIcmpSnpgRxZeroSrcAdrPkts [Vxlan Icmp Snpg Rx Zero Src Adr Pkts] (vxlanIcmpSnpgRxZeroSrcAdrPkts)	long	The value of the object vxlanIcmpSnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this VXLAN because they contain a zero source IPv4 address.
vxlanIcmpSnpgSendQueryCfgDrops [Vxlan Icmp Snpg Send Query Cfg Drops] (vxlanIcmpSnpgSendQueryCfgDrops)	long	The value of the object vxlanIcmpSnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIcmpSnpgCfgSendQueries for this VXLAN is set to 'enabled(1)'.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VxlanIcmpSnpgStats</p> <p>MIB entry name: vxlanIcmpSnpgStatsEntry</p> <p>Entry description: vxlanIcmpSnpgStatsEntry is an entry in the vxlanIcmpSnpgStatsTable. Each entry contains IGMP snooping statics for a VXLAN in a TIs.</p> <p>Table description (for vxlanIcmpSnpgStatsTable): vxlanIcmpSnpgStatsTable contains statistics on IGMP snooping per VXLAN.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.Site</p>		
vxlanIcmpSnpgFwdGenQueries [Vxlan Icmp Snpg Fwd Gen Queries] (vxlanIcmpSnpgFwdGenQueries)	long	The value of the object vxlanIcmpSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this VXLAN.
vxlanIcmpSnpgFwdGrpSpecQueries [Vxlan Icmp Snpg Fwd Grp Spec Queries] (vxlanIcmpSnpgFwdGrpSpecQueries)	long	The value of the object vxlanIcmpSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this VXLAN.
vxlanIcmpSnpgFwdSrcSpecQueries [Vxlan Icmp Snpg Fwd Src Spec Queries] (vxlanIcmpSnpgFwdSrcSpecQueries)	long	The value of the object vxlanIcmpSnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this VXLAN.
vxlanIcmpSnpgFwdUnknownType [Vxlan Icmp Snpg Fwd Unknown Type] (vxlanIcmpSnpgFwdUnknownType)	long	The value of the object vxlanIcmpSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this VXLAN.
vxlanIcmpSnpgFwdV1Reports [Vxlan Icmp Snpg Fwd V1 Reports] (vxlanIcmpSnpgFwdV1Reports)	long	The value of the object vxlanIcmpSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this VXLAN.
vxlanIcmpSnpgFwdV2Leaves [Vxlan Icmp Snpg Fwd V2 Leaves] (vxlanIcmpSnpgFwdV2Leaves)	long	The value of the object vxlanIcmpSnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this VXLAN.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIcmpSnpgFwdV2Reports [Vxlan Icmp Snpg Fwd V2 Reports] (vxlanIcmpSnpgFwdV2Reports)	long	The value of the object vxlanIcmpSnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this VXLAN.
vxlanIcmpSnpgFwdV3Reports [Vxlan Icmp Snpg Fwd V3 Reports] (vxlanIcmpSnpgFwdV3Reports)	long	The value of the object vxlanIcmpSnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this VXLAN.
vxlanIcmpSnpgRxGenQueries [Vxlan Icmp Snpg Rx Gen Queries] (vxlanIcmpSnpgRxGenQueries)	long	The value of the object vxlanIcmpSnpgRxGenQueries indicates the number of IGMP General Queries received on this VXLAN.
vxlanIcmpSnpgRxGrpSpecQueries [Vxlan Icmp Snpg Rx Grp Spec Queries] (vxlanIcmpSnpgRxGrpSpecQueries)	long	The value of the object vxlanIcmpSnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this VXLAN.
vxlanIcmpSnpgRxSrcSpecQueries [Vxlan Icmp Snpg Rx Src Spec Queries] (vxlanIcmpSnpgRxSrcSpecQueries)	long	The value of the object vxlanIcmpSnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this VXLAN.
vxlanIcmpSnpgRxUnknownType [Vxlan Icmp Snpg Rx Unknown Type] (vxlanIcmpSnpgRxUnknownType)	long	The value of the object vxlanIcmpSnpgRxUnknownType indicates the number of IGMP unknown type packets received on this VXLAN.
vxlanIcmpSnpgRxV1Reports [Vxlan Icmp Snpg Rx V1 Reports] (vxlanIcmpSnpgRxV1Reports)	long	The value of the object vxlanIcmpSnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
vxlanIcmpSnpgRxV2Leaves [Vxlan Icmp Snpg Rx V2 Leaves] (vxlanIcmpSnpgRxV2Leaves)	long	The value of the object vxlanIcmpSnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this VXLAN.
vxlanIcmpSnpgRxV2Reports [Vxlan Icmp Snpg Rx V2 Reports] (vxlanIcmpSnpgRxV2Reports)	long	The value of the object vxlanIcmpSnpgRxV2Reports indicates the number of IGMPv2 Reports received on this VXLAN.

Table 510 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpG Rx V3 Reports [Vxlan Igmp SnpG Rx V3 Reports] (vxlanIgmpSnpG Rx V3 Reports)	long	The value of the object vxlanIgmpSnpG Rx V3 Reports indicates the number of IGMPv3 Reports received on this SAP.
vxlanIgmpSnpG Tx Gen Queries [Vxlan Igmp SnpG Tx Gen Queries] (vxlanIgmpSnpG Tx Gen Queries)	long	The value of the object vxlanIgmpSnpG Tx Gen Queries indicates the number of IGMP General Queries transmitted on this VXLAN.
vxlanIgmpSnpG Tx Grp Spec Queries [Vxlan Igmp SnpG Tx Grp Spec Queries] (vxlanIgmpSnpG Tx Grp Spec Queries)	long	The value of the object vxlanIgmpSnpG Tx Grp Spec Queries indicates the number of IGMP Group-Specific Queries transmitted on this VXLAN.
vxlanIgmpSnpG Tx Src Spec Queries [Vxlan Igmp SnpG Tx Src Spec Queries] (vxlanIgmpSnpG Tx Src Spec Queries)	long	The value of the object vxlanIgmpSnpG Tx Src Spec Queries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this VXLAN.
vxlanIgmpSnpG Tx V1 Reports [Vxlan Igmp SnpG Tx V1 Reports] (vxlanIgmpSnpG Tx V1 Reports)	long	The value of the object vxlanIgmpSnpG Tx V1 Reports indicates the number of IGMPv1 Reports transmitted on this VXLAN.
vxlanIgmpSnpG Tx V2 Leaves [Vxlan Igmp SnpG Tx V2 Leaves] (vxlanIgmpSnpG Tx V2 Leaves)	long	The value of the object vxlanIgmpSnpG Tx V2 Leaves indicates the number of IGMPv2 Leaves transmitted on this VXLAN.
vxlanIgmpSnpG Tx V2 Reports [Vxlan Igmp SnpG Tx V2 Reports] (vxlanIgmpSnpG Tx V2 Reports)	long	The value of the object vxlanIgmpSnpG Tx V2 Reports indicates the number of IGMPv2 Reports transmitted on this VXLAN.
vxlanIgmpSnpG Tx V3 Reports [Vxlan Igmp SnpG Tx V3 Reports] (vxlanIgmpSnpG Tx V3 Reports)	long	The value of the object vxlanIgmpSnpG Tx V3 Reports indicates the number of IGMPv3 Reports transmitted on this VXLAN.

Table 511 vprn statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDataTrigStats</p> <p>MIB entry name: tmnxSapDataTrigStatsEntry</p> <p>Entry description: Each conceptual row contains detailed data trigger statistics information about a SAP. Entries in this table are created and removed automatically by the system. The system creates conceptual rows in this table only for SAP's where the value of sapStatHostMacLearnOptions is equal to 'dataTriggered'. The system does not create rows unless there is at least one non-zero counter.</p> <p>Table description (for tmnxSapDataTrigStatsTable): The tmnxSapDataTrigStatsTable contains detailed statistics information about the data triggers involved in creating data-triggered subscriber hosts. The typical usage of this table is to fill in the part of the index that identifies a SAP, and perform a partial walk to get all the statistics applicable to that SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vprn.ServiceAccessPoint</p>		
dropUnsupportedProtocol [Drop Unsupported Protocol] (tmnxSapDataTrigStatsVal)	java. math. BigInteger	The value of the object tmnxSapDataTrigStatsVal indicates the value of the statistics contained in this conceptual row.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
servicId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.

Table 511 vprn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsId [Stats Id] (tmnxSapDataTrigStatsId)	long	The value of tmnxSapDataTrigStatsId indicates the identifier of the SAP data trigger statistics contained in this conceptual row. It is a meaningless number generated by this system.

Table 512 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 512 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 512 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

Table 512 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceV6AdditionalStats</p> <p>MIB entry name: tVrrpRtrStatisticsEntry</p> <p>Entry description: Each row entry in the tVrrpRtrStatisticsTable represents additional columns in the vrrpRouterStatisticsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tVrrpRtrStatisticsTable): The tVrrpRtrStatisticsTable provides an extension of the vrrpRouterStatisticsTable in the TIMETRA-VRRP-V3-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatisticsTable, and the augmenting table, tVrrpRtrStatisticsTable. This in effect extends the vrrpRouterStatisticsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.InstanceV6</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tVrrpStatAdvIntvlDiscards)	long	The value of tVrrpStatAdvIntvlDiscards indicates the total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tVrrpStatAdvertiseSent)	long	The value of tVrrpStatAdvertiseSent indicates the total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tVrrpStatMasterChanges)	long	The value for tVrrpStatMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tVrrpStatPreemptEvents)	long	The value for tVrrpStatPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tVrrpStatPreemptedEvents)	long	The value for tVrrpStatPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.

Table 512 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalDiscards [Total Discards] (tVrrpStatTotalDiscards)	long	The value of tVrrpStatTotalDiscards indicates the total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceV6Stats MIB entry name: vrrpRouterStatisticsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatisticsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.InstanceV6		
addressListErrors [Address List Errors] (vrrpStatisticsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatisticsAdvIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseRcvd [Advertise Rcvd] (vrrpStatisticsRcvdAdvertisements)	long	The total number of VRRP advertisements received by this virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 512 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeMaster [Become Master] (vrrpStatisticsMasterTransitions)	long	The total number of times that this virtual router's state has transitioned to MASTER. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
invalidAuthType [Invalid Auth Type] (vrrpStatisticsRcvdInvalidAuthentications)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatisticsRcvdInvalidTypePkts)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
ipTtlErrors [Ip Ttl Errors] (vrrpStatisticsIpTtlErrors)	long	The total number of VRRP packets received by the Virtual router with IPv4 TTL (for VRRP over IPv4) or IPv6 Hop Limit (for VRRP over IPv6) not equal to 255. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
packetLengthErrors [Packet Length Errors] (vrrpStatisticsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatisticsRcvdPriZeroPackets)	long	The total number of VRRP packets received by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 512 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatisticsSentPriZeroPackets)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 513 wlanw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaMemberUsageStats</p> <p>MIB entry name: tmnxWlanGwIsaMemberEntry</p> <p>Entry description: Each conceptual row contains WLAN Gateway-specific status and basic statistics information about a member of a WLAN Gateway ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxWlanGwIsaMemberTable): The tmnxWlanGwIsaMemberTable contains status and statistics information about the members of a WLAN Gateway ISA Group. A member of a WLAN Gateway ISA Group can be mapped to a physical ISA MDA.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wlanw.IsaMember</p>		
activatedEgrEncapGrpMembers [Activated Egr Encap Grp Members] (tmnxWlanGwIsaMemberEegMemberAct)	long	The value of tmnxWlanGwIsaMemberEegMemberAct indicates the number of activated Egress Encapsulation Group members associated with this ISA group member.
numOfUEs [Num Of UEs] (tmnxWlanGwIsaMemberNumUe)	long	The value of tmnxWlanGwIsaMemberNumUe indicates the number of UE processed by the MDA associated with this member.
pendingEgrEncapGrpMembers [Pending Egr Encap Grp Members] (tmnxWlanGwIsaMemberEegMemberPend)	long	The value of tmnxWlanGwIsaMemberEegMemberPend indicates the number of pending Egress Encapsulation Group members associated with this ISA group member.
softGRETunnels [Soft GRE Tunnels] (tmnxWlanGwIsaMemberNumSoftGreTu)	long	The value of tmnxWlanGwIsaMemberNumSoftGreTu indicates the number of tunnels processed by the MDA associated with this member.
tunnelQoSProblems [Tunnel QoS Problems] (tmnxWlanGwIsaMemberTuQoSProblem)	long	The value of tmnxWlanGwIsaMemberTuQoSProblem indicates the number of tunnel QoS infrastructure configuration instances on the MDA associated with this ISA group member that have a resource issue.

Table 513 wlanw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MgwPeerStats</p> <p>MIB entry name: tmnxWlanGwMgwEntry</p> <p>Entry description: Each conceptual row represents information about a particular Mobile Gateway connected to this system. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxWlanGwMgwTable): The tmnxWlanGwMgwTable contains information about Mobile Gateways connected to this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wlanw.MgwPeer</p>		
peerIpAddress [Peer Ip Address] (tmnxWlanGwMgwRemoteAddr)	String	The value of the object tmnxWlanGwMgwRemoteAddr indicates the IP address of the Mobile Gateway, that is the source IP address in the tunnel header of received packets.
peerIpAddressType [Peer Ip Address Type] (tmnxWlanGwMgwRemoteAddrType)	int	The value of tmnxWlanGwMgwRemoteAddrType indicates the address type of tmnxWlanGwMgwRemoteAddr. The only values allowed are 'ipv4' and 'ipv6'.
peerTcpPort [Peer Tcp Port] (tmnxWlanGwMgwRemotePort)	long	The value of tmnxWlanGwMgwRemotePort indicates the remote port.
statsId [Stats Id] (tmnxWlanMgwStatsId)	long	The value of tmnxWlanMgwStatsId indicates the identifier of the WLAN Gateway statistics contained in this conceptual row. It is a meaningless number generated by this system.
statsName [Stats Name] (tmnxWlanMgwStatsName)	String	The value of the object tmnxWlanMgwStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxWlanMgwStatsVal)	java. math. BigInteger	The value of the object tmnxWlanMgwStatsVal indicates the value of the statistics contained in this conceptual row.

Table 513 wlanGw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>WlanGwGtpStats MIB entry name: tmnxWlanGwGtpStatsEntry Entry description: Each conceptual row contains detailed information about a GTP statistic. Entries in this table are created and removed automatically by the system. Table description (for tmnxWlanGwGtpStatsTable): The tmnxWlanGwGtpStatsTable contains detailed statistics information about the GTP protocol in this system. The typical usage of this table is to perform a walk to get all the statistics. Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
statsId [Stats Id] (tmnxWlanGwGtpStatsId)	long	The value of tmnxWlanGwGtpStatsId indicates the identifier of the GTP statistics contained in this conceptual row. It is a meaningless number generated by this system.
wlanGwGtpStatsName [Wlan Gw Gtp Stats Name] (tmnxWlanGwGtpStatsName)	String	The value of the object tmnxWlanGwGtpStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
wlanGwGtpStatsVal [Wlan Gw Gtp Stats Val] (tmnxWlanGwGtpStatsVal)	java. math. BigInteger	The value of the object tmnxWlanGwGtpStatsVal indicates the value of the statistics contained in this conceptual row.

Table 513 wlanw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WlanGwIsaMemberStats</p> <p>MIB entry name: tmnxWlanGwGrpEntry</p> <p>Entry description: Each conceptual row represents a WLAN Gateway Integrated Service Adaptor Group. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxWlanGwGrpTable): The tmnxWlanGwGrpTable contains objects to configure WLAN Gateway Integrated Service Adaptor (ISA) Groups. A WLAN Gateway ISA group is used to represent multiple hardware adaptors as a single entity, allowing for warm redundancy between multiple WLAN Gateway ISA's.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wlanw.IsaMember</p>		
grpId [Grp Id] (tmnxWlanGwGrpId)	long	The value of the object tmnxWlanGwGrpId specifies the identifier of the WLAN Gateway Integrated Service Adaptor group.
isaMemberId [Isa Member Id] (tmnxWlanGwIsaMemberId)	long	The value of the object tmnxWlanGwIsaMemberId indicates the identifier of this WLAN Gateway ISA Group member.
wlanGwIsaMemberStatsName [Wlan Gw Isa Member Stats Name] (tmnxWlanGwIsaMemberStatsName)	String	The value of the object tmnxWlanGwIsaMemberStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
wlanGwIsaMemberStatsType [Wlan Gw Isa Member Stats Type] (tmnxWlanGwIsaMemberStatsType)	long	The value of tmnxWlanGwIsaMemberStatsType indicates the type of WLAN Gateway statistics contained in this conceptual row.
wlanGwIsaMemberStatsVal [Wlan Gw Isa Member Stats Val] (tmnxWlanGwIsaMemberStatsVal)	long	The value of the object tmnxWlanGwIsaMemberStatsVal indicates the lower 32-bits word of the statistics contained in this conceptual row.

Table 513 wlan gw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
WlanGwStats MIB entry name: tmnxWlanGwObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
gtpSessionNumber [Gtp Session Number] (tmnxWlanGwMgwNumHeldSe)	long	The value of the object tmnxWlanGwMgwNumHeldSe indicates the actual number of GTP session contexts held by this system while their associated UE are disconnected.
mgwNumber [Mgw Number] (tmnxWlanGwNumMgw)	long	The value of the object tmnxWlanGwNumMgw indicates the actual number of Mobile Gateways connected to this system. It is equal to the number of rows in the tmnxWlanGwMgwTable.
resourceProblem [Resource Problem] (tmnxWlanGwResrcProblem)	boolean	The value of the object tmnxWlanGwResrcProblem indicates if there is a resource problem detected while attempting to activate some part of the WLAN Gateway configuration of this system.
softGreTunnelNumber [Soft Gre Tunnel Number] (tmnxWlanGwNumSoftGreTu)	long	The value of the object tmnxWlanGwNumSoftGreTu indicates the actual number of tunnels terminated by this system.
softGreTunnelPeakNumber [Soft Gre Tunnel Peak Number] (tmnxWlanGwPeakNumSoftGreTu)	long	The value of the object tmnxWlanGwPeakNumSoftGreTu indicates the peak number of tunnels terminated by this system at any time, since the system was last initialized or the value of this object was last reset.
ueNumber [Ue Number] (tmnxWlanGwNumUe)	long	The value of the object tmnxWlanGwNumUe indicates the actual number of UE processed by this system.

Table 513 wlanw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uePeakNumber [Ue Peak Number] (tmnxWlanGwPeakNumUe)	long	The value of the object tmnxWlanGwPeakNumUe indicates the peak number of UE processed by this system at any time, since the system was last initialized or the value of this object was last reset.

Table 514 wpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WppPortalStats</p> <p>MIB entry name: tmnxWppPortalEntry</p> <p>Entry description: Each conceptual row represents information about a particular WPP portal. Entries in this table can be created or deleted via SNMP operations. In order to create a conceptual row in this table, a row in the tmnxWppTable with the same value of the object vRtrID must exist.</p> <p>Table description (for tmnxWppPortalTable): The tmnxWppPortalTable contains objects to configure the WPP portals of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wpp.Portal</p>		
portalName [Portal Name] (tmnxWppPortalName)	String	The value of tmnxWppPortalName specifies the name of this WPP portal.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
wppPortalStatsInstance [Wpp Portal Stats Instance] (tmnxWppPortalStatsInstance)	long	The value of the object tmnxWppPortalStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppPortalStatsType it indicates unambiguously what the value of tmnxWppPortalStatsVal means. For example: if the value of the object tmnxWppPortalStatsType is equal to 'event', the value of tmnxWppPortalStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppPortalStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.

Table 514 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppPortalStatsName [Wpp Portal Stats Name] (tmnxWppPortalStatsName)	String	The value of the object tmnxWppPortalStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppPortalStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppPortalStatsType [Wpp Portal Stats Type] (tmnxWppPortalStatsType)	int	The value of the object tmnxWppPortalStatsType indicates the type of WPP statistics contained in this conceptual row.
wppPortalStatsVal [Wpp Portal Stats Val] (tmnxWppPortalStatsVal)	long	The value of the object tmnxWppPortalStatsVal indicates the value of the statistics contained in this conceptual row.
<p>WppStats MIB entry name: vRtrConfEntry Entry description: Each row entry represents a virtual router in the system. Entries can be created and deleted via SNMP SET operations. Creation requires a SET request containing vRtrRowStatus, vRtrName and vRtrType. Note that rows in this table are usually created by the agent itself as a side affect of some other configuration; for example, when a service vprn is created by setting the appropriate objects in the TIMETRA-SERV-MIB. There will always be at least two row entries in this table, one of these entries represents the base or transport router and the other represents the management router. These entries are created when the system is initialized and can never be deleted. Table description (for vRtrConfTable): The vRtrConfTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: wpp.Site</p>		
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 514 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppStatsInstance [Wpp Stats Instance] (tmnxWppStatsInstance)	long	The value of the object tmnxWppStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppStatsType it indicates unambiguously what the value of tmnxWppStatsVal means. For example: if the value of the object tmnxWppStatsType is equal to 'event', the value of tmnxWppStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.
wppStatsName [Wpp Stats Name] (tmnxWppStatsName)	String	The value of the object tmnxWppStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppStatsType [Wpp Stats Type] (tmnxWppStatsType)	int	The value of the object tmnxWppStatsType indicates the type of WPP statistics contained in this conceptual row.
wppStatsVal [Wpp Stats Val] (tmnxWppStatsVal)	long	The value of the object tmnxWppStatsVal indicates the value of the statistics contained in this conceptual row.

29 7750 SR-MG performance statistics counters

29.1 Performance statistics counters

29.1.1 Counters

Table 515 aaa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaRadiusServerStats</p> <p>MIB entry name: tmnxRadIsaSrvStatsEntry</p> <p>Entry description: Each conceptual row represents a type of statistics of a connection with a particular RADIUS server. Rows in this table are automatically created and destroyed by the system.</p> <p>Table description (for tmnxRadIsaSrvStatsTable): The tmnxRadIsaSrvStatsTable contains statistics information about the connections with ISA RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.IsaRadiusServerConnection</p>		
statsName [Stats Name] (tmnxRadIsaSrvStatsName)	String	The value of the object tmnxRadIsaSrvStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxRadIsaSrvStatsType)	long	The value of tmnxRadIsaSrvStatsType indicates the type of ISA RADIUS server statistics contained in this conceptual row.
statsVal [Stats Val] (tmnxRadIsaSrvStatsValue)	long	The value of the object tmnxRadIsaSrvStatsValue indicates the value of the statistics contained in this conceptual row.
<p>L2tpRadiusEntryStats</p> <p>MIB entry name: tmnxL2tpApServStatsEntry</p> <p>Entry description: Each row represents statistics about a specific server of a specify L2TP accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxL2tpApServStatsTable): The tmnxL2tpApServStatsTable presents statistics of l2tp-accounting-policies' RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.L2tpRadiusEntry</p>		

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedRequestsPackets [Failed Requests Packets] (tmnxL2tpApServStatsReqSendFail)	long	The value of tmnxL2tpApServStatsReqSendFail indicates the number of RADIUS request packets that could not be transmitted for this server.
invAuthReponsesPackets [Inv Auth Reponses Packets] (tmnxL2tpApServStatsRespInvAuth)	long	The value of tmnxL2tpApServStatsRespInvAuth indicates the number of RADIUS response packets with an invalid Authenticator received from this server.
pendingRequestsPackets [Pending Requests Packets] (tmnxL2tpApServStatsReqPending)	long	The value of tmnxL2tpApServStatsReqPending indicates the number of RADIUS requests that are currently pending for this server.
reponsesPackets [Reponses Packets] (tmnxL2tpApServStatsRxResponses)	long	The value of tmnxL2tpApServStatsRxResponses indicates the number of RADIUS response packets received from this server.
requestsPackets [Requests Packets] (tmnxL2tpApServStatsTxRequests)	long	The value of tmnxL2tpApServStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.
statRetries [Stat Retries] (tmnxL2tpApServStatsSendRetries)	long	The value of tmnxL2tpApServStatsSendRetries indicates the number of retries to a different server for a single accounting request for this connection with this RADIUS server.
timeOut [Time Out] (tmnxL2tpApServStatsReqTimeout)	long	The value of tmnxL2tpApServStatsReqTimeout indicates the number of RADIUS requests that have timed out for this server.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadPSStats</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatsRxAcctRequest [Rad PSSStats Rx Acct Request] (tmnxRadPSStatsRxAcctRequest)	long	The value of tmnxRadPSStatsRxAcctRequest indicates the number of Accounting-Request packets received by this RADIUS Proxy Server.
radPSStatsRxAdminDown [Rad PSSStats Rx Admin Down] (tmnxRadPSStatsRxAdminDown)	long	The value of tmnxRadPSStatsRxAdminDown indicates the number of packets received by this RADIUS Proxy Server that were rejected because it is administratively shut down.
radPSStatsRxAuthRequest [Rad PSSStats Rx Auth Request] (tmnxRadPSStatsRxAuthRequest)	long	The value of tmnxRadPSStatsRxAuthRequest indicates the number of Access-Request packets received by this RADIUS Proxy Server.
radPSStatsRxDropped [Rad PSSStats Rx Dropped] (tmnxRadPSStatsRxDropped)	long	The value of tmnxRadPSStatsRxDropped indicates the number of packets received by this RADIUS Proxy Server but dropped.
radPSStatsRxDroppedByPython [Rad PSSStats Rx Dropped By Python] (tmnxRadPSStatsRxDroppedByPython)	long	The value of tmnxRadPSStatsRxDroppedByPython indicates the number of packets received by this RADIUS Proxy Server but dropped by Python.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxInvAcctAuth [Rad PSSStats Rx Inv Acct Auth] (tmnxRadPSStatsRxInvAcctAuth)	long	The value of tmnxRadPSStatsRxInvAcctAuth indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Authenticator field.
radPSStatsRxInvAcctStatusTyp [Rad PSSStats Rx Inv Acct Status Typ] (tmnxRadPSStatsRxInvAcctStatusTyp)	long	The value of tmnxRadPSStatsRxInvAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Acct-Status-Type attribute.
radPSStatsRxInvAttr [Rad PSSStats Rx Inv Attr] (tmnxRadPSStatsRxInvAttr)	long	The value of tmnxRadPSStatsRxInvAttr indicates the number of packets received by this RADIUS Proxy Server that were rejected because one of the attributes was incorrectly encoded.
radPSStatsRxInvCode [Rad PSSStats Rx Inv Code] (tmnxRadPSStatsRxInvCode)	long	The value of tmnxRadPSStatsRxInvCode indicates the number of packets received by this RADIUS Proxy Server that were rejected because they had an invalid Code field.
radPSStatsRxInvLen [Rad PSSStats Rx Inv Len] (tmnxRadPSStatsRxInvLen)	long	The value of tmnxRadPSStatsRxInvLen indicates the number of packets received by this RADIUS Proxy Server that were rejected because their length was invalid.
radPSStatsRxInvMsgAuth [Rad PSSStats Rx Inv Msg Auth] (tmnxRadPSStatsRxInvMsgAuth)	long	The value of tmnxRadPSStatsRxInvMsgAuth indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid Message-Authenticator attribute.
radPSStatsRxInvPassword [Rad PSSStats Rx Inv Password] (tmnxRadPSStatsRxInvPassword)	long	The value of tmnxRadPSStatsRxInvPassword indicates the number of packets received by this RADIUS Proxy Server that were rejected because the User-Password attribute could not be decoded.
radPSStatsRxInvUserName [Rad PSSStats Rx Inv User Name] (tmnxRadPSStatsRxInvUserName)	long	The value of tmnxRadPSStatsRxInvUserName indicates the number of packets received by this RADIUS Proxy Server that were rejected because they contained an invalid User-Name attribute.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsRxNoAaaPol [Rad PSSStats Rx No Aaa Pol] (tmnxRadPSStatsRxNoAaaPol)	long	The value of tmnxRadPSStatsRxNoAaaPol indicates the number of packets received by this RADIUS Proxy Server that were rejected because it has no RADIUS server policy configured for that type of packet.
radPSStatsRxNoAcctStatusTyp [Rad PSSStats Rx No Acct Status Typ] (tmnxRadPSStatsRxNoAcctStatusTyp)	long	The value of tmnxRadPSStatsRxNoAcctStatusTyp indicates the number of accounting packets received by this RADIUS Proxy Server that were rejected because they contained no Acct-Status-Type attribute.
radPSStatsRxNoLoadBKey [Rad PSSStats Rx No Load BKey] (tmnxRadPSStatsRxNoLoadBKey)	long	The value of tmnxRadPSStatsRxNoLoadBKey indicates the number of packets received by this RADIUS Proxy Server that were rejected because the selected RADIUS server policy's algorithm (tmnxRadSrvPlcyAlgorithm) is set to 'hashBased' and no load balance key (tmnxRadProxSrvLoadBalanceKey) is configured.
radPSStatsRxNoMemory [Rad PSSStats Rx No Memory] (tmnxRadPSStatsRxNoMemory)	long	The value of tmnxRadPSStatsRxNoMemory indicates the number of packets that were rejected by this RADIUS server because there was not enough memory to store them.
radPSStatsRxPacket [Rad PSSStats Rx Packet] (tmnxRadPSStatsRxPacket)	long	The value of tmnxRadPSStatsRxPacket indicates the number of packets received by this RADIUS Proxy Server.
radPSStatsRxRetransmit [Rad PSSStats Rx Retransmit] (tmnxRadPSStatsRxRetransmit)	long	The value of tmnxRadPSStatsRxRetransmit indicates the number of packets received by this RADIUS Proxy Server that were rejected because they are retransmitted.
radPSStatsRxUserOverload [Rad PSSStats Rx User Overload] (tmnxRadPSStatsRxUserOverload)	long	The value of tmnxRadPSStatsRxUserOverload indicates the number of packets that were rejected by this RADIUS server because the registered user indicated to be in overload.
radPSStatsTxAcctResponse [Rad PSSStats Tx Acct Response] (tmnxRadPSStatsTxAcctResponse)	long	The value of tmnxRadPSStatsTxAcctResponse indicates the number of Accounting-Response packets transmitted by this RADIUS Proxy Server.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxAuthAck [Rad PSSStats Tx Auth Ack] (tmnxRadPSStatsTxAuthAck)	long	The value of tmnxRadPSStatsTxAuthAck indicates the number of Access-Accept packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthChallenge [Rad PSSStats Tx Auth Challenge] (tmnxRadPSStatsTxAuthChallenge)	long	The value of tmnxRadPSStatsTxAuthChallenge indicates the number of Access-Challenge packets transmitted by this RADIUS Proxy Server.
radPSStatsTxAuthReject [Rad PSSStats Tx Auth Reject] (tmnxRadPSStatsTxAuthReject)	long	The value of tmnxRadPSStatsTxAuthReject indicates the number of Access-Reject packets transmitted by this RADIUS Proxy Server.
radPSStatsTxCacheAttrTooLong [Rad PSSStats Tx Cache Attr Too Long] (tmnxRadPSStatsTxCacheAttrTooLong)	long	The value of tmnxRadPSStatsTxCacheAttrTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the total length of the attributes is too long.
radPSStatsTxCacheKeyTooLong [Rad PSSStats Tx Cache Key Too Long] (tmnxRadPSStatsTxCacheKeyTooLong)	long	The value of tmnxRadPSStatsTxCacheKeyTooLong indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information present in the packet was too long.
radPSStatsTxCacheMaxEntries [Rad PSSStats Tx Cache Max Entries] (tmnxRadPSStatsTxCacheMaxEntries)	long	The value of tmnxRadPSStatsTxCacheMaxEntries indicates the number of packets that could not be cached by this RADIUS Proxy Server because the limit has been reached.
radPSStatsTxCacheNoKey [Rad PSSStats Tx Cache No Key] (tmnxRadPSStatsTxCacheNoKey)	long	The value of tmnxRadPSStatsTxCacheNoKey indicates the number of packets that could not be cached by this RADIUS Proxy Server because the key information was not present in the packet.
radPSStatsTxDropped [Rad PSSStats Tx Dropped] (tmnxRadPSStatsTxDropped)	long	The value of tmnxRadPSStatsTxDropped indicates the number of packets dropped by this RADIUS Proxy Server before transmission.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxDroppedByPython [Rad PSSStats Tx Dropped By Python] (tmnxRadPSStatsTxDroppedByPython)	long	The value of tmnxRadPSStatsTxDroppedByPython indicates the number of packets that were dropped by this RADIUS server because the packet was dropped by the Python script.
radPSStatsTxNoMemory [Rad PSSStats Tx No Memory] (tmnxRadPSStatsTxNoMemory)	long	The value of tmnxRadPSStatsTxNoMemory indicates the number of packets that could not be transmitted by this RADIUS Proxy Server because there was not enough memory.
radPSStatsTxNoRadiusServer [Rad PSSStats Tx No Radius Server] (tmnxRadPSStatsTxNoRadiusServer)	long	The value of tmnxRadPSStatsTxNoRadiusServer indicates the number of packets that were dropped by this RADIUS server because the RADIUS server policy has no servers configured.
radPSStatsTxSendFailure [Rad PSSStats Tx Send Failure] (tmnxRadPSStatsTxSendFailure)	long	The value of tmnxRadPSStatsTxSendFailure indicates the number of packets that were dropped by this RADIUS server because the packet could not get transmitted to one of the servers in the RADIUS server policy.
radPSStatsTxServerAuthFail [Rad PSSStats Tx Server Auth Fail] (tmnxRadPSStatsTxServerAuthFail)	long	The value of tmnxRadPSStatsTxServerAuthFail indicates the number of packets that were dropped because the RADIUS server replied with a packet which failed authentication (invalid response Authenticator or Message-Authenticator attribute).
radPSStatsTxServerInvAttr [Rad PSSStats Tx Server Inv Attr] (tmnxRadPSStatsTxServerInvAttr)	long	The value of tmnxRadPSStatsTxServerInvAttr indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid attribute.
radPSStatsTxServerInvCode [Rad PSSStats Tx Server Inv Code] (tmnxRadPSStatsTxServerInvCode)	long	The value of tmnxRadPSStatsTxServerInvCode indicates the number of packets that were dropped because the RADIUS server replied with a packet with an invalid Code field.
radPSStatsTxServerTimeout [Rad PSSStats Tx Server Timeout] (tmnxRadPSStatsTxServerTimeout)	long	The value of tmnxRadPSStatsTxServerTimeout indicates the number of packets that were dropped because the RADIUS servers have timed out.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radPSStatsTxUserOverload [Rad PSSStats Tx User Overload] (tmnxRadPSStatsTxUserOverload)	long	The value of tmnxRadPSStatsTxUserOverload indicates the number of packets that were dropped because the registered user indicated to be in overload.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadPSStatus</p> <p>MIB entry name: tmnxRadProxSrvEntry</p> <p>Entry description: Each conceptual row represents information about a particular RADIUS Proxy Server. Entries in this table can be created or deleted via SNMP operations.</p> <p>Table description (for tmnxRadProxSrvTable): The tmnxRadProxSrvTable contains objects to configure the RADIUS Proxy Servers of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusProxyServer</p>		
proxSrvName [Prox Srv Name] (tmnxRadProxSrvName)	String	The value of tmnxRadProxSrvName specifies the name of this RADIUS Proxy server.
radPSStatusCacheEntries [Rad PSSStatus Cache Entries] (tmnxRadPSStatusCacheEntries)	long	The value of tmnxRadPSStatusCacheEntries indicates the number of entries in the cache of this RADIUS Proxy Server.
radPSStatusCacheEntriesReg [Rad PSSStatus Cache Entries Reg] (tmnxRadPSStatusCacheEntriesReg)	long	The value of tmnxRadPSStatusCacheEntriesReg indicates the number of entries in the cache of this RADIUS Proxy Server. Pending entries have a registered application. An example of an application that could register to a cache entry is Subscriber Management of DHCP clients.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>RadRouteDownloadStats</p> <p>MIB entry name: tmnxRadRDStatsEntry</p> <p>Entry description: Each conceptual row represents statistics about a particular Route Downloader. Rows are created and destroyed automatically by the system.</p> <p>Table description (for tmnxRadRDStatsTable): The tmnxRadRDStatsTable contains statistics about the RADIUS Route Downloaders of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RouteDownloadPolicy</p>		
accessAcceptedPkts [Access Accepted Pkts] (tmnxRadRDStatsRxAccessAccept)	long	The value of tmnxRadRDStatsRxAccessReject indicates the number of Access-Accept packets received by this Route Downloader.
accessDroppedPkts [Access Dropped Pkts] (tmnxRadRDStatsRxAccessAcceptDrop)	long	The value of tmnxRadRDStatsRxAccessAcceptDrop indicates the number of Access-Accept packets received but dropped by this Route Downloader.
accessRejectedPkts [Access Rejected Pkts] (tmnxRadRDStatsRxAccessReject)	long	The value of tmnxRadRDStatsRxAccessReject indicates the number of Access-Reject packets received by this Route Downloader.
accessRequests [Access Requests] (tmnxRadRDStatsTxAccessRequest)	long	The value of tmnxRadRDStatsTxAccessRequest indicates the number of Access-Requests sent by this Route Downloader.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accessRetries [Access Retries] (tmnxRadRDStatsTxAccessReqRetry)	long	The value of tmnxRadRDStatsTxAccessReqRetry indicates the number of Access-Requests retries for this Route Downloader.
installingFailures [Installing Failures] (tmnxRadRDStatsRtmFailures)	long	The value of tmnxRadRDStatsRtmFailures indicates the number of times installing received routes failed for this Route Downloader.
lastAccessAccept [Last Access Accept] (tmnxRadRDStatsRxLastAccessAccept)	long	The value of tmnxRadRDStatsRxLastAccessAccept indicates when this Route Downloader last received an Access-Accept packet.
lastAccessReject [Last Access Reject] (tmnxRadRDStatsRxLastAccessReject)	long	The value of tmnxRadRDStatsRxLastAccessReject indicates when this Route Downloader last received an Access-Reject packet.
lastAccessRequest [Last Access Request] (tmnxRadRDStatsTxLastAccessReq)	long	The value of tmnxRadRDStatsTxLastAccessReq indicates when this Route Downloader last sent an Access-Request packet.
lastAccessRetry [Last Access Retry] (tmnxRadRDStatsTxLastAccReqRetry)	long	The value of tmnxRadRDStatsTxLastAccReqRetry indicates the time of the last Access-Request retry.
numOfDownloads [Num Of Downloads] (tmnxRadRDStatsDownloads)	long	The value of tmnxRadRDStatsDownloads indicates the number of downloads started by this Route Downloader.
remainingTime [Remaining Time] (tmnxRadRDStatsRemainingDownlTime)	long	The value of tmnxRadRDStatsRemainingDownlTime indicates the remaining time before the next download attempt.
retryTime [Retry Time] (tmnxRadRDStatsRemainingRetryTime)	long	The value of tmnxRadRDStatsRemainingRetryTime indicates the remaining time before the next download retry.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routesReceived [Routes Received] (tmnxRadRDStatsRoutesReceived)	long	The value of tmnxRadRDStatsRoutesReceived indicates the number of routes received in the last completed route download process.
<p>RadSrvPlcyMsgBufStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.RadiusServerPolicy</p>		
bufMsgPlcyName [Buf Msg Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
lastBufClean [Last Buf Clean] (tmnxRadSrvPlcyLastBufClean)	long	The value of tmnxRadSrvPlcyLastBufClean indicates the sysUpTime at the time of the most recent reset (empty) of the message buffer.
lastBufStatsClean [Last Buf Stats Clean] (tmnxRadSrvPlcyLastBufStatsClean)	long	The value of tmnxRadSrvPlcyLastBufStatsClean indicates the sysUpTime at the time of the most recent reset of the message buffer statistics.
nbrAcctInterimBuf [Nbr Acct Interim Buf] (tmnxRadSrvPlcyNbrAcctInterimBuf)	long	The value of tmnxRadSrvPlcyNbrAcctInterimBuf indicates the number of RADIUS accounting interim update messages that are currently buffered for this radius server policy.
nbrAcctInterimDrop [Nbr Acct Interim Drop] (tmnxRadSrvPlcyNbrAcctInterimDrop)	long	The value of tmnxRadSrvPlcyNbrAcctInterimDrop indicates the number of RADIUS accounting interim update messages that were dropped from the buffer because their lifetime expired.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nbrAcctStopBuf [Nbr Acct Stop Buf] (tmnxRadSrvPlcyNbrAcctStopBuf)	long	The value of tmnxRadSrvPlcyNbrAcctStopBuf indicates the number of RADIUS accounting stop messages that are currently buffered for this radius server policy.
nbrAcctStopDrop [Nbr Acct Stop Drop] (tmnxRadSrvPlcyNbrAcctStopDrop)	long	The value of tmnxRadSrvPlcyNbrAcctStopDrop indicates the number of RADIUS accounting stop messages that were dropped from the buffer because their lifetime expired.
<p>RadSrvPlcyStats MIB entry name: tmnxRadSrvPlcyEntry Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus. Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers. Supports realtime plotting Supports scheduled collection Monitored class: aaa.RadiusServerPolicy</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvPlcyStatsAcctFailed [Rad Srv Plcy Stats Acct Failed] (tmnxRadSrvPlcyStatsAcctFailed)	long	The value of tmnxRadSrvPlcyStatsAcctFailed indicates the number of accounting failures for this policy.
radSrvPlcyStatsAuthFailed [Rad Srv Plcy Stats Auth Failed] (tmnxRadSrvPlcyStatsAuthFailed)	long	The value of tmnxRadSrvPlcyStatsAuthFailed indicates the number of authentication failures for this policy.
radSrvPlcyStatsRatioFailure [Rad Srv Plcy Stats Ratio Failure] (tmnxRadSrvPlcyStatsFailureRatio)	int	The value of tmnxRadSrvPlcyStatsFailureRatio indicates the transaction failure ratio for this policy.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvPlcyStatsRatioReject [Rad Srv Plcy Stats Ratio Reject] (tmnxRadSrvPlcyStatsRejectRatio)	int	The value of tmnxRadSrvPlcyStatsRejectRatio indicates the ratio of access-rejects in the auth responses for this policy.
radSrvPlcyStatsRatioSuccess [Rad Srv Plcy Stats Ratio Success] (tmnxRadSrvPlcyStatsSuccessRatio)	int	The value of tmnxRadSrvPlcyStatsSuccessRatio indicates the transaction success ratio for this policy.
radSrvPlcyStatsReqRejected [Rad Srv Plcy Stats Req Rejected] (tmnxRadSrvPlcyStatsReqRejected)	long	The value of tmnxRadSrvPlcyStatsReqRejected indicates the number of RADIUS transaction requests that were not transmitted due to unacceptable configuration.
radSrvPlcyStatsReqSendFail [Rad Srv Plcy Stats Req Send Fail] (tmnxRadSrvPlcyStatsReqSendFail)	long	The value of tmnxRadSrvPlcyStatsReqSendFail indicates the number of RADIUS transaction requests that could not be transmitted.
radSrvPlcyStatsReqSendRetry [Rad Srv Plcy Stats Req Send Retry] (tmnxRadSrvPlcyStatsReqSendRetry)	long	The value of tmnxRadSrvPlcyStatsReqSendRetry indicates the number of times a RADIUS request packet was retransmitted to a server.
radSrvPlcyStatsReqTimeout [Rad Srv Plcy Stats Req Timeout] (tmnxRadSrvPlcyStatsReqTimeout)	long	The value of tmnxRadSrvPlcyStatsReqTimeout indicates the number of RADIUS transaction requests that have timed out.
radSrvPlcyStatsRxResponses [Rad Srv Plcy Stats Rx Responses] (tmnxRadSrvPlcyStatsRxResponses)	long	The value of tmnxRadSrvPlcyStatsRxResponses indicates the number of RADIUS transaction responses received.
radSrvPlcyStatsTxRequests [Rad Srv Plcy Stats Tx Requests] (tmnxRadSrvPlcyStatsTxRequests)	long	The value of tmnxRadSrvPlcyStatsTxRequests indicates the number of RADIUS transaction requests transmitted.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadSrvStats</p> <p>MIB entry name: tmnxRadSrvPlcyEntry</p> <p>Entry description: Each entry represents the configuration for a specific RADIUS servers policy. Entries in this table can be created and deleted via SNMP SET operations to tmnxRadSrvPlcyRowStatus.</p> <p>Table description (for tmnxRadSrvPlcyTable): The tmnxRadSrvPlcyTable allows configuration of how to access a group of RADIUS servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aaa.ServerEntry</p>		
plcyName [Plcy Name] (tmnxRadSrvPlcyName)	String	The value of tmnxRadSrvPlcyName specifies a specific RADIUS servers policy.
radSrvStatsAcctAvgDelay10 [Rad Srv Stats Acct Avg Delay 10] (tmnxRadSrvStatsAcctAvgDelay10)	long	The value of tmnxRadSrvStatsAcctAvgDelay10 indicates in microseconds, the average response delay for the last 10 accounting packets.
radSrvStatsAcctAvgDelay100 [Rad Srv Stats Acct Avg Delay 100] (tmnxRadSrvStatsAcctAvgDelay100)	long	The value of tmnxRadSrvStatsAcctAvgDelay100 indicates in microseconds, the average response delay for the last 100 accounting packets.
radSrvStatsAcctAvgDelay1000 [Rad Srv Stats Acct Avg Delay 1000] (tmnxRadSrvStatsAcctAvgDelay1000)	long	The value of tmnxRadSrvStatsAcctAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 accounting packets.
radSrvStatsAcctAvgDelay10000 [Rad Srv Stats Acct Avg Delay 10000] (tmnxRadSrvStatsAcctAvgDelay10000)	long	The value of tmnxRadSrvStatsAcctAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 accounting packets.
radSrvStatsAuthAvgDelay10 [Rad Srv Stats Auth Avg Delay 10] (tmnxRadSrvStatsAuthAvgDelay10)	long	The value of tmnxRadSrvStatsAuthAvgDelay10 indicates in microseconds, the average response delay for the last 10 authentication packets.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsAuthAvgDelay100 [Rad Srv Stats Auth Avg Delay 100] (tmnxRadSrvStatsAuthAvgDelay100)	long	The value of tmnxRadSrvStatsAuthAvgDelay100 indicates in microseconds, the average response delay for the last 100 authentication packets.
radSrvStatsAuthAvgDelay1000 [Rad Srv Stats Auth Avg Delay 1000] (tmnxRadSrvStatsAuthAvgDelay1000)	long	The value of tmnxRadSrvStatsAuthAvgDelay1000 indicates in microseconds, the average response delay for the last 1000 authentication packets.
radSrvStatsAuthAvgDelay10000 [Rad Srv Stats Auth Avg Delay 10000] (tmnxRadSrvStatsAuthAvgDelay10000)	long	The value of tmnxRadSrvStatsAuthAvgDelay10000 indicates in microseconds, the average response delay for the last 10000 authentication packets.
radSrvStatsFailedAcct [Rad Srv Stats Failed Acct] (tmnxRadSrvStatsAcctFailed)	long	The value of tmnxRadSrvStatsAcctFailed indicates the number of accounting failures for this server.
radSrvStatsFailedAuth [Rad Srv Stats Failed Auth] (tmnxRadSrvStatsAuthFailed)	long	The value of tmnxRadSrvStatsAuthFailed indicates the number of authentication failures for this server.
radSrvStatsReqOvrlSendFail [Rad Srv Stats Req Ovr Id Send Fail] (tmnxRadSrvStatsReqOvrlSendFail)	long	The value of tmnxRadSrvStatsReqOvrlSendFail indicates the number of RADIUS request packets that could not be transmitted while the RADIUS server was in overload.
radSrvStatsReqPending [Rad Srv Stats Req Pending] (tmnxRadSrvStatsReqPending)	long	The value of tmnxRadSrvStatsReqPending indicates the number of RADIUS request packets that are currently waiting for reply from this server.
radSrvStatsReqSendFailure [Rad Srv Stats Req Send Failure] (tmnxRadSrvStatsReqSendFailure)	long	The value of tmnxRadSrvStatsReqSendFailure indicates the number of RADIUS request packets that could not be transmitted for this server.
radSrvStatsReqTimeout [Rad Srv Stats Req Timeout] (tmnxRadSrvStatsReqTimeout)	long	The value of tmnxRadSrvStatsReqTimeout indicates the number of RADIUS request packets that have timed out for this server.

Table 515 aaa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
radSrvStatsRespInvAuth [Rad Srv Stats Resp Inv Auth] (tmnxRadSrvStatsRespInvAuth)	long	The value of tmnxRadSrvStatsRespInvAuth indicate the number of RADIUS response packets with an invalid Authenticator received from this server.
radSrvStatsRespInvMsgAuth [Rad Srv Stats Resp Inv Msg Auth] (tmnxRadSrvStatsRespInvMsgAuth)	long	The value of tmnxRadSrvStatsRespInvMsgAuth indicate the number of RADIUS response packets with an invalid Message-Authenticator attribute received from this server.
radSrvStatsRxResponses [Rad Srv Stats Rx Responses] (tmnxRadSrvStatsRxResponses)	long	The value of tmnxRadSrvStatsRxResponses indicates the number of RADIUS response packets received from this server.
radSrvStatsTxRequests [Rad Srv Stats Tx Requests] (tmnxRadSrvStatsTxRequests)	long	The value of tmnxRadSrvStatsTxRequests indicates the number of RADIUS request packets transmitted for this server.

Table 516 aapolicy statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AAIcapServerStats</p> <p>MIB entry name: tmnxBsxIcapServerStatsEntry</p> <p>Entry description: Each entry represents the statistics for a particular AA URL filter and ICAP server. An index with a valid ICAP server (an existing row in tmnxBsxIcapServerTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the following per group, URL Filter and ICAP server: * the summarized statistics, and * the worst case values for tmnxBsxIcapServerStatsRoundTrip and tmnxBsxIcapServerStatsConnUtil Entries will appears in this table only for equipped ISA-AA MDAs associated with an AA group, URL filter and ICAP server.</p> <p>Table description (for tmnxBsxIcapServerStatsTable): The tmnxBsxIcapServerStatsTable contains operational information related to a particular ICAP server associated with a particular URL filter. Each row contains the status and performance-oriented statistics information per group, URL filter and ICAP server for an ISA-AA uniquely identified by the tmnxChassisIndex, tmnxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AAIcapServer</p>		
connEstCount [Conn Est Count] (tmnxBsxIcapServerStatsConnEst)	long	The value of tmnxBsxIcapServerStatsConnEst indicates the current number of TCP connections which are established with the ICAP server.
connTotalCount [Conn Total Count] (tmnxBsxIcapServerStatsConnTotal)	long	The value of tmnxBsxIcapServerStatsConnTotal indicates the number of TCP connections which can be established with the ICAP server.
connUtilCount [Conn Util Count] (tmnxBsxIcapServerStatsConnUtil)	long	The value of tmnxBsxIcapServerStatsConnUtil indicates the percentage of TCP connections utilized over the last 10 second period.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
reqErrorsCount [Req Errors Count] (tmnxBsxlcapServerStatsReqErrors)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsReqErrors indicates the number of ICAP requests that were unable to be sent to the ICAP server.
reqRateCount [Req Rate Count] (tmnxBsxlcapServerStatsReqRate)	long	The value of tmnxBsxlcapServerStatsReqRate indicates the average number of ICAP requests sent per second over the last 10 second period.
requestsCount [Requests Count] (tmnxBsxlcapServerStatsRequests)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRequests indicates the number of ICAP requests which have been sent to this ICAP server.
respAllowCount [Resp Allow Count] (tmnxBsxlcapServerStatsRespAllow)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespAllow indicates the number of ICAP allow responses which have been received from the ICAP server.
respBlockCount [Resp Block Count] (tmnxBsxlcapServerStatsRespBlock)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespBlock indicates the number of ICAP block responses which have been received from the ICAP server.
respRedirCount [Resp Redir Count] (tmnxBsxlcapServerStatsRespRedir)	java. math. BigInteger	The value of tmnxBsxlcapServerStatsRespRedir indicates the number of ICAP redirect responses which have been received from the ICAP server.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
roundTripCount [Round Trip Count] (tmnxBsxIcapServerStatsRoundTrip)	long	The value of tmnxBsxIcapServerStatsRoundTrip indicates the average amount of time it took to receive ICAP Responses over the last 10 second period.
slotId [Slot Id] (tmnxBsxCardSlotNum)	int	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
<p>AAUrlFilterStats</p> <p>MIB entry name: tmnxMDAEntry</p> <p>Entry description: Each row entry represents a MDA slot in an IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxCardEntry has tmnxCardAssignedType or tmnxCardEquippedType equal to an IOM card type that supports MDA slots, a tmnxMDAEntry is created by the agent for each MDA slot on that IOM card. Before a tmnxCardEntry can be deleted, each tmnxMDAEntry for that card must be in the proper state for removal.</p> <p>Table description (for tmnxMDATable): The tmnxMDATable has an entry for each MDA slot in each IOM card in this chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AAUrlFilter</p>		
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
httpReqErrorsCount [Http Req Errors Count] (tmnxBsxUrIFltrStatsHttpReqErrors)	java. math. BigInteger	The value of tmnxBsxUrIFltrStatsHttpReqErrors indicates the number of times the HTTP request that were unable to be sent to the ICAP server.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
httpRequestsCount [Http Requests Count] (tmnxBsxUriFiltrStatsHttpRequests)	java. math. BigInteger	The value of tmnxBsxUriFiltrStatsHttpRequests indicates the number of HTTP requests received.
httpRespAllowCount [Http Resp Allow Count] (tmnxBsxUriFiltrStatsHttpRespAllow)	java. math. BigInteger	The value of tmnxBsxUriFiltrStatsHttpRespAllow indicates the number of times the HTTP response has been allowed.
httpRespBlockCount [Http Resp Block Count] (tmnxBsxUriFiltrStatsHttpRespBlock)	java. math. BigInteger	The value of tmnxBsxUriFiltrStatsHttpRespBlock indicates the number of times the HTTP response has been blocked.
httpRespDefCount [Http Resp Def Count] (tmnxBsxUriFiltrStatsHttpRespDef)	java. math. BigInteger	The value of tmnxBsxUriFiltrStatsHttpRespDef indicates the number of times the tmnxBsxUriFilterDefaultAction has been taken on the HTTP response.
httpRespRedirCount [Http Resp Redir Count] (tmnxBsxUriFiltrStatsHttpRespRedir)	java. math. BigInteger	The value of tmnxBsxUriFiltrStatsHttpRespRedir indicates the number of times the HTTP response has been redirected.
icapLateRespCount [Icap Late Resp Count] (tmnxBsxUriFiltrStatsIcapLateResp)	java. math. BigInteger	The value of tmnxBsxUriFiltrStatsIcapLateResp indicates the number of times the HTTP response was received prior to the ICAP response.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAARadiusAccountingPolicyStats</p> <p>MIB entry name: tmnxBsxRadApStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an AA RADIUS accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxBsxRadApStatTable): The tmnxBsxRadApStatTable presents statistics of AA RADIUS accounting policies.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AARadiusAccountingPolicy</p>		
reqSendFail [Req Send Fail] (tmnxBsxRadApSendFail)	long	The value of tmnxBsxRadApSendFail indicates how many RADIUS accounting requests failed because the packet could not be sent.
reqTimeouts [Req Timeouts] (tmnxBsxRadApReqTimeouts)	long	The value of tmnxBsxRadApReqTimeouts indicates the number of RADIUS accounting requests which have timed out for this policy.
rxResponses [Rx Responses] (tmnxBsxRadApRxResponses)	long	The value of tmnxBsxRadApRxResponses indicates the number of RADIUS accounting responses received for this policy.
sendRetries [Send Retries] (tmnxBsxRadApSendRetries)	long	The value of tmnxBsxRadApSendRetries indicates the number of retries to a different server for a single RADIUS accounting request for this policy.
txRequests [Tx Requests] (tmnxBsxRadApTxRequests)	long	The value of tmnxBsxRadApTxRequests indicates the number of RADIUS accounting requests transmitted for this policy.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAARadiusAccountingServerStats</p> <p>MIB entry name: tmnxBsxRadApServStatEntry</p> <p>Entry description: Each row represents statistics about a specific server for a specific AA RADIUS accounting policy. Rows in this table are created automatically by the system.</p> <p>Table description (for tmnxBsxRadApServStatTable): The tmnxBsxRadApServStatTable presents statistics of AA RADIUS accounting policy servers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AARadiusAccountingServer</p>		
reqSendFail [Req Send Fail] (tmnxBsxRadApServReqSendFail)	long	The value of tmnxBsxRadApServReqSendFail indicates the number of RADIUS accounting requests that failed because the packet could not be sent.
reqTimeouts [Req Timeouts] (tmnxBsxRadApServReqTimeouts)	long	The value of tmnxBsxRadApServReqTimeouts indicates the number of RADIUS accounting requests that have timed out for this server.
rxResponses [Rx Responses] (tmnxBsxRadApServRxResponses)	long	The value of tmnxBsxRadApServRxResponses indicates the number of RADIUS accounting responses received for this server.
txRequests [Tx Requests] (tmnxBsxRadApServTxRequests)	long	The value of tmnxBsxRadApServTxRequests indicates the number of RADIUS accounting requests transmitted for this server.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAaAccountingStats</p> <p>MIB entry name: tmnxBsxStatAaEntry</p> <p>Entry description: Each tmnxBsxStatAaEntry contains the statistics for a particular group, partition, statistics type and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaTable): The tmnxBsxStatAaTable contains an entry for each system wide statistics type and statistics name per group and partition.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.Application • aapolicy.ApplicationGroup • isa.AaGroup • isa.AaPartition 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAaAppFilterStats</p> <p>MIB entry name: tmnxBsxStatAaAppFilterEntry</p> <p>Entry description: Each tmnxBsxStatAaAppFilterEntry row contains statistics for a specific filter entry.</p> <p>Table description (for tmnxBsxStatAaAppFilterTable): The tmnxBsxStatAaAppFilterTable contains statistics for application filters as defined in the tmnxBsxAppFilterTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.ApplicationFilter</p>		
flows [Flows] (tmnxBsxStatAaAppFilterHCFloWS)	java. math. BigInteger	The value of tmnxBsxStatAaAppFilterHCFloWS indicates the number of flows that have matched this entry.
octets [Octets] (tmnxBsxStatAaAppFilterFlowHCOctC)	java. math. BigInteger	The value of tmnxBsxStatAaAppFilterFlowHCOctC indicates the number of octets in the flows that have matched this entry.
<p>BsxAaSubAccountingStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • service.AccessInterface 		

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.ApplicationGroup</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.
<p>BsxAppQosPolicyStats MIB entry name: tmnxBsxAqpStatsEntry Entry description: Each tmnxBsxAqpStatsEntry indicates statistics available to collect for each application QoS policy entry. Table description (for tmnxBsxAqpStatsTable): The tmnxBsxAqpStatsTable contains the application qos policy statistics. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AppQosPolicy</p>		
hcConflicts [Hc Conflicts] (tmnxBsxAqpStatsHCConflicts)	java. math. BigInteger	The value of tmnxBsxAqpStatsHCConflicts indicates the number of flows that have hit this AQP entry, but resulted in a conflict with the match criteria.
hcFlows [Hc Flows] (tmnxBsxAqpStatsHCFlows)	java. math. BigInteger	The value of tmnxBsxAqpStatsHCFlows indicates the number of flows that have hit this entry. In certain cases, a flow may change its attributes thus undergoing a second policy evaluation. In these cases, the flow may be counted against two different AQP entries.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.Application</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxCustProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.CustomProtocol</p>		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxDnsIpCacheStats</p> <p>MIB entry name: tmnxBsxDnsIpCacheStatEntry</p> <p>Entry description: Each tmnxBsxDnsIpCacheStatEntry specifies Application Assurance DNS IP Cache statistics. An index with a valid DNS IP Cache (an existing row in tmnxBsxDnsIpCacheTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and DNS IP Cache.</p> <p>Table description (for tmnxBsxDnsIpCacheStatTable): The tmnxBsxDnsIpCacheStatTable contains an entry for each configured Application Assurance DNS IP Cache. Rows in this table are automatically created and destroyed when DNS IP Caches are created or destroyed using the tmnxBsxDnsIpCacheTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.DnsIpCache</p>		
alarmClear [Alarm Clear] (tmnxBsxDnsIpCacheStatAlarmClear)	boolean	The value of tmnxBsxDnsIpCacheStatAlarmClear indicates the state of the threshold alarm for this cache. A value of 'true (1)' indicates the alarm is clear, and a value of 'false (2)' indicates the alarm is set.
disconnectTime [Disconnect Time] (tmnxBsxDnsIpCacheStatDiscntTime)	long	The value of tmnxBsxDnsIpCacheStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
domainsMatch [Domains Match] (tmnxBsxDnsIpCacheStatDomMtch)	java.math.BigInteger	The value of tmnxBsxDnsIpCacheStatDomMtch indicates the number of DNS response domains that have matched an entry in the tmnxBsxDnsIpCacheDomainTable associated with this cache.
entriesAdd [Entries Add] (tmnxBsxDnsIpCacheStatEntrAdd)	java.math.BigInteger	The value of tmnxBsxDnsIpCacheStatEntrAdd indicates the total number of entries that have been added to this cache.
entriesRemove [Entries Remove] (tmnxBsxDnsIpCacheStatEntrRmvd)	java.math.BigInteger	The value of tmnxBsxDnsIpCacheStatEntrRmvd indicates the total number of entries that have been removed from this cache.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fullCount [Full Count] (tmnxBsxDnsIpCacheStatFullCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatFullCnt indicates the number of times an entry could not be added because the cache was full.
hitCount [Hit Count] (tmnxBsxDnsIpCacheStatHitCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatHitCnt indicates the number of times an IP address lookup in this cache was successful.
missCount [Miss Count] (tmnxBsxDnsIpCacheStatMissCnt)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatMissCnt indicates the number of times an IP address lookup in this cache was unsuccessful.
responsesCount [Responses Count] (tmnxBsxDnsIpCacheStatDnsResp)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatDnsResp indicates the number of DNS responses that have been compared to the entries in the tmnxBsxDnsIpCacheDomainTable and the tmnxBsxDnsIpCacheServerTable associated with this cache.
serversMatch [Servers Match] (tmnxBsxDnsIpCacheStatDomSerMtch)	java. math. BigInteger	The value of tmnxBsxDnsIpCacheStatDomSerMtch indicates the number of DNS responses whose domain matched an entry in the tmnxBsxDnsIpCacheDomainTable and server IP address matched an entry in the tmnxBsxDnsIpCacheServerTable associated with this cache.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxHttpEnrichStats</p> <p>MIB entry name: tmnxBsxHttpEnrichStatEntry</p> <p>Entry description: Each tmnxBsxHttpEnrichStatEntry contains statistics for HTTP enrichment. An index with a valid tmnxBsxAaGrpPartIndex/tmnxBsxHttpEnrichName (an existing row in tmnxBsxHttpEnrichTable), tmnxChassisIndex set to one, and a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized per group and HTTP enrichment template statistics. Entries will appear in this table only for equipped ISA-AA MDAs associated with an AA group and an HTTP enrichment template.</p> <p>Table description (for tmnxBsxHttpEnrichStatTable): The tmnxBsxHttpEnrichStatTable contains statistics for HTTP enrichment. Each row contains the performance-oriented statistics information per group and HTTP enrichment template for an ISA-AA uniquely identified by the tmnxChassisIndex, tmnxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
antiSpoofMod [Anti Spoof Mod] (tmnxBsxHttpEnrichAntiSpoofMod)	java. math. BigInteger	The value of tmnxBsxHttpEnrichAntiSpoofMod indicates the number of HTTP header modifications that have been made for anti-spoofing. A value of 0 is returned if the value of tmnxBsxHttpEnrichFieldAntiSpoof is disabled.
antiSpoofShort [Anti Spoof Short] (tmnxBsxHttpEnrichNoAntiSpfShort)	java. math. BigInteger	The value of tmnxBsxHttpEnrichNoAntiSpfShort indicates the number of HTTP header modifications that were not made for anti-spoofing due to an HTTP header field value being short enough to result in a packet size increase if anti-spoofing were applied. A value of 0 is returned if the value of tmnxBsxHttpEnrichFieldAntiSpoof is disabled.
cardSlotNum [Card Slot Num] (tmnxBsxCardSlotNum)	long	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
disconnectTime [Disconnect Time] (tmnxBsxHttpEnrichStatDiscontTime)	long	The value of tmnxBsxHttpEnrichStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
httpEnrichName [Http Enrich Name] (tmnxBsxHttpEnrichName)	String	The value of tmnxBsxHttpEnrichName specifies the name of the HTTP header enrichment template.
maxPacket [Max Packet] (tmnxBsxHttpEnrichHCExceedMaxPkt)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCExceedMaxPkt indicates the number of HTTP requests not enriched due to the packet size being greater than the maximum HTTP enrichment packet size specified in tmnxBsxIsaAaGrpHttpEnrichMaxPkt.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
msgCount [Msg Count] (tmnxBsxHttpEnrichHCNumEnriched)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCNumEnriched indicates the number of enriched requests.
noSubData [No Sub Data] (tmnxBsxHttpEnrichHCMissngSubData)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCMissngSubData indicates the number of HTTP requests not enriched due to missing subscriber data.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpEnrichHCNumNoResource)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCNumNoResource indicates the number of HTTP requests not enriched due to resource issues.
templateDisabled [Template Disabled] (tmnxBsxHttpEnrichHCTpiNotEnabled)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCTpiNotEnabled indicates the number of HTTP requests not enriched due to the template not being enabled.
trafficChar [Traffic Char] (tmnxBsxHttpEnrichHCTrafficChar)	java. math. BigInteger	The value of tmnxBsxHttpEnrichHCTrafficChar indicates the number of HTTP requests not enriched due to traffic characteristics.
<p>BsxHttpErrorRedirectStats MIB entry name: tmnxBsxGrpMdaEntry Entry description: Each tmnxBsxGrpMdaEntry indicates a ISA-AA MDA is associated to a tmnxBsxIsaAaGrpEntry. Table description (for tmnxBsxGrpMdaTable): The tmnxBsxGrpMdaTable contains an entry for each ISA-AA MDA configured within a group. This table is populated when an MDA is configured with an MDA type of ISA-AA, and associated with an ISA-AA group. Supports realtime plotting Supports scheduled collection Monitored class: aapolicy.AppQosPolicy</p>		
cardSlotNum [Card Slot Num] (tmnxBsxCardSlotNum)	long	The value of tmnxBsxCardSlotNum indicates the slot number of this ISA-AA MDA.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
disconnectTime [Disconnect Time] (tmnxBsxHttpRdStatDiscontTime)	long	The value of tmnxBsxHttpRdStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
errorCode [Error Code] (tmnxBsxHttpRedirErrCode)	long	The value of tmnxBsxHttpRedirErrCode specifies the error code for a HTTP Error Redirect. Error codes are defined in the tmnxBsxTListAttribTable in rows where the index tmnxBsxTListName has a value of 'http-error-redirect-error-code' and the index tmnxBsxTListAttribName has a value of 'code'.
errorCount [Error Count] (tmnxBsxHttpRdStatHCNotRedir)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCNotRedir indicates the number of message redirects that did not occur due to errors.
fileTypeCount [File Type Count] (tmnxBsxHttpRdStatHCNotRedirFType)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCNotRedirFType indicates the number of message redirects that did not occur due to the file type.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
httpErrRedirName [Http Err Redir Name] (tmnxBsxHttpRedirErrName)	String	The value of tmnxBsxHttpRedirErrName specifies the name of the HTTP Error Redirect.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
msgCount [Msg Count] (tmnxBsxHttpRdStatHCRedir)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCRedir indicates the number of redirected messages.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpRdStatHCOutOfResource)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCOutOfResource indicates the number of message redirects that did not occur due to lack of resources.
sizeExceededCount [Size Exceeded Count] (tmnxBsxHttpRdStatHCSizeExceeded)	java. math. BigInteger	The value of tmnxBsxHttpRdStatHCSizeExceeded indicates the number of messages that have exceeded the custom message size associated with the error code.
<p>BsxHttpRedirectStats</p> <p>MIB entry name: tmnxChassisEntry</p> <p>Entry description: tmnxChassisEntry consists of the system level information pertaining to the hardware present in the system. Only one entry is created and maintained by the system, which is assigned the tmnxChassisIndex value '1'. Once this entry is created, it cannot be destroyed. Additional entries cannot be manually created or destroyed. Support of multiple chassis' are managed through the use of tmnxPhysChassisTable.</p> <p>Table description (for tmnxChassisTable): tmnxChassisTable contains Nokia 7x50 system level information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
disconnectTime [Disconnect Time] (tmnxBsxHttpPcyRdStatDiscontTime)	long	The value of tmnxBsxHttpPcyRdStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
errorCount [Error Count] (tmnxBsxHttpPcyRdStatHCNotRedir)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCNotRedir indicates the number of message that were not redirected due to errors.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
httpRedirName [Http Redir Name] (tmnxBsxHttpRedirName)	String	The value of tmnxBsxHttpRedirName specifies the name of the HTTP Redirect.
msgCount [Msg Count] (tmnxBsxHttpPcyRdStatHCRedir)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCRedir indicates the number of redirected messages.
outOfResourceCount [Out Of Resource Count] (tmnxBsxHttpPcyRdStatHCOutOfRes)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatHCOutOfRes indicates the number of messages that were not redirected due to lack of resources.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tcpClientResetCount [Tcp Client Reset Count] (tmnxBsxHttpPcyRdStatTcpResets)	java. math. BigInteger	The value of tmnxBsxHttpPcyRdStatTcpResets indicates the number of TCP client resets that have been sent.
<p>BsxProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
aaName [Aa Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaActFlwsFmSb)	long	The value of tmnxBsxStatAaActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaActFlwsToSb)	long	The value of tmnxBsxStatAaActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyFmSb indicates the total number of flows the dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaFlwsDnyToSb.
numOfSubscribers [Num Of Subscribers] (tmnxBsxStatAaNumSubscribers)	long	The value of tmnxBsxStatAaNumSubscribers indicates the number of subscribers at the most recent 5-minute snapshot of statistics.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaPktsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaHCTermFlws indicates the total number of allowed flows in both directions that have terminated. This object is a 64-bit version of tmnxBsxStatAaTermFlws.
<p>BsxSapCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLNgDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSapStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSapStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSessionFilterStats</p> <p>MIB entry name: tmnxBsxSessFltrStatsEntry</p> <p>Entry description: Each tmnxBsxSessFltrStatsEntry indicates statistics available for each application assurance session filter match entry.</p> <p>Table description (for tmnxBsxSessFltrStatsTable): The tmnxBsxSessFltrStatsTable contains the application assurance session filter statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AASessionFilterParams</p>		
flowsCount [Flows Count] (tmnxBsxSessFltrStatsFlows)	java. math. BigInteger	The value of tmnxBsxSessFltrStatsFlows indicates the number of flows that have hit this entry.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcaFtrEnStats</p> <p>MIB entry name: tmnxBsxTcaFtrEnStatsEntry</p> <p>Entry description: Each tmnxBsxTcaFtrEnStatsEntry specifies Application Assurance filter entry TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaFtrEnCfgTable.</p> <p>Table description (for tmnxBsxTcaFtrEnStatsTable): The tmnxBsxTcaFtrEnStatsTable contains an entry for each configured Application Assurance filter entry TCA, as configured in tmnxBsxStatTcaFtrEnCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaFtrEntryCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaFtrEnStatsTmLastCleared)	long	The value of tmnxBsxTcaFtrEnStatsTmLastCleared indicates the last time, since system startup, when the tmnxBsxTcaFtrEnStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaFtrEnStatsTmLastRaised)	long	The value of tmnxBsxTcaFtrEnStatsTmLastRaised indicates the last time, since system startup, when the tmnxBsxTcaFtrEnStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaFtrEnStatsTcaState)	int	The value of tmnxBsxTcaFtrEnStatsTcaState indicates the state of the filter entry TCA.
triggerType [Trigger Type] (tmnxBsxTcaFtrEnStatsTcaTrigType)	int	The value of tmnxBsxTcaFtrEnStatsTcaTrigType indicates the trigger type used.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcaFtrStats</p> <p>MIB entry name: tmnxBsxTcaFtrStatsEntry</p> <p>Entry description: Each tmnxBsxTcaFtrStatsEntry specifies Application Assurance filter TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaFtrCfgTable.</p> <p>Table description (for tmnxBsxTcaFtrStatsTable): The tmnxBsxTcaFtrStatsTable contains an entry for each configured Application Assurance filter TCA, as configured in tmnxBsxStatTcaFtrCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaFilterCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaFtrStatsTimeLastCleared)	long	The value of tmnxBsxTcaFtrStatsTimeLastCleared indicates the last time, since system startup, when the tmnxBsxTcaFtrStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaFtrStatsTimeLastRaised)	long	The value of tmnxBsxTcaFtrStatsTimeLastRaised indicates the last time, since system startup, when the tmnxBsxTcaFtrStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaFtrStatsTcaState)	int	The value of tmnxBsxTcaFtrStatsTcaState indicates the state of the filter TCA.
triggerType [Trigger Type] (tmnxBsxTcaFtrStatsTcaTrigType)	int	The value of tmnxBsxTcaFtrStatsTcaTrigType indicates the trigger type used.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcaPolcrStats</p> <p>MIB entry name: tmnxBsxTcaPolcrStatsEntry</p> <p>Entry description: Each tmnxBsxTcaPolcrStatsEntry specifies Application Assurance policer TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaPolcrCfgTable.</p> <p>Table description (for tmnxBsxTcaPolcrStatsTable): The tmnxBsxTcaPolcrStatsTable contains an entry for each configured Application Assurance policer TCA, as configured in tmnxBsxStatTcaPolcrCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaPolicerCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaPolcrStatsTmLastCleared)	long	The value of tmnxBsxTcaPolcrStatsTmLastCleared indicates the last time, since system startup, when the tmnxBsxTcaPolcrStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaPolcrStatsTmLastRaised)	long	The value of tmnxBsxTcaPolcrStatsTmLastRaised indicates the last time, since system startup, when the tmnxBsxTcaPolcrStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaPolcrStatsTcaState)	int	The value of tmnxBsxTcaPolcrStatsTcaState indicates the state of the policer TCA.
triggerType [Trigger Type] (tmnxBsxTcaPolcrStatsTcaTrigType)	int	The value of tmnxBsxTcaPolcrStatsTcaTrigType indicates the trigger type used.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcaStats</p> <p>MIB entry name: tmnxBsxTcaStatsEntry</p> <p>Entry description: Each tmnxBsxTcaStatsEntry specifies Application Assurance TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxStatTcaCfgTable.</p> <p>Table description (for tmnxBsxTcaStatsTable): The tmnxBsxTcaStatsTable contains an entry for each configured Application Assurance TCA, as configured in tmnxBsxStatTcaCfgTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaStatTcaCfg</p>		
lastCleared [Last Cleared] (tmnxBsxTcaStatsTimeLastCleared)	long	The value of tmnxBsxTcaStatsTimeLastCleared indicates the last time, since system startup, when the tmnxBsxTcaStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcaStatsTimeLastRaised)	long	The value of tmnxBsxTcaStatsTimeLastRaised indicates the last time, since system startup, when the tmnxBsxTcaStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcaStatsTcaState)	int	The value of tmnxBsxTcaStatsTcaState indicates the state of the TCA.
triggerType [Trigger Type] (tmnxBsxTcaStatsTcaTrigType)	int	The value of tmnxBsxTcaStatsTcaTrigType indicates the trigger type used.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcpOptStats</p> <p>MIB entry name: tmnxBsxTcpOptStatEntry</p> <p>Entry description: Each tmnxBsxTcpOptStatEntry specifies Application Assurance TCP optimizer statistics. Entries are automatically created and destroyed when TCP optimizers are created or destroyed using the tmnxBsxTcpOptTable. An index with a valid TCP optimizer (an existing row in tmnxBsxTcpOptTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and TCP optimizer.</p> <p>Table description (for tmnxBsxTcpOptStatTable): The tmnxBsxTcpOptStatTable contains an entry for each configured Application Assurance TCP optimizer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpOpt</p>		
buffersInUse [Buffers In Use] (tmnxBsxTcpOptStatBuffersInUse)	java. math. BigInteger	The value of tmnxBsxTcpOptStatBuffersInUse indicates the number of buffers in use by the TCP optimizer.
discntTime [Discnt Time] (tmnxBsxTcpOptStatDiscntTime)	long	The value of tmnxBsxTcpOptStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when an ISA-AA MDA within the group last changed status.
maxAvailBuffers [Max Avail Buffers] (tmnxBsxTcpOptStatMaxAvailBuffers)	java. math. BigInteger	The value of tmnxBsxTcpOptStatMaxAvailBuffers indicates the maximum number of buffers available to the TCP optimizer.
octsRetranFmSub [Octs Retran Fm Sub] (tmnxBsxTcpOptStatOctsRetranFmSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatOctsRetranFmSub indicates the number of octets retransmitted by the TCP optimizer in the subscriber to network direction.
octsRetranToSub [Octs Retran To Sub] (tmnxBsxTcpOptStatOctsRetranToSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatOctsRetranToSub indicates the number of octets retransmitted by the TCP optimizer in the network to subscriber direction.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsRxFmSub [Octs Rx Fm Sub] (tmnxBsxTcpOptStatOctsRxFmSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatOctsRxFmSub indicates the number of octets received by the TCP optimizer in the subscriber to network direction.
octsRxToSub [Octs Rx To Sub] (tmnxBsxTcpOptStatOctsRxToSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatOctsRxToSub indicates the number of octets received by the TCP optimizer in the network to subscriber direction.
octsTxFmSub [Octs Tx Fm Sub] (tmnxBsxTcpOptStatOctsTxFmSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatOctsTxFmSub indicates the number of octets transmitted by the TCP optimizer in the subscriber to network direction.
octsTxToSub [Octs Tx To Sub] (tmnxBsxTcpOptStatOctsTxToSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatOctsTxToSub indicates the number of octets transmitted by the TCP optimizer in the network to subscriber direction.
pktsRetranFmSub [Pkts Retran Fm Sub] (tmnxBsxTcpOptStatPktsRetranFmSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatPktsRetranFmSub indicates the number of packets retransmitted by the TCP optimizer in the subscriber to network direction.
pktsRetranToSub [Pkts Retran To Sub] (tmnxBsxTcpOptStatPktsRetranToSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatPktsRetranToSub indicates the number of packets retransmitted by the TCP optimizer in the network to subscriber direction.
pktsRxFmSub [Pkts Rx Fm Sub] (tmnxBsxTcpOptStatPktsRxFmSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatPktsRxFmSub indicates the number of packets received by the TCP optimizer in the subscriber to network direction.
pktsRxToSub [Pkts Rx To Sub] (tmnxBsxTcpOptStatPktsRxToSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatPktsRxToSub indicates the number of packets received by the TCP optimizer in the network to subscriber direction.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsTxFmSub [Pkts Tx Fm Sub] (tmnxBsxTcpOptStatPktsTxFmSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatPktsTxFmSub indicates the number of packets transmitted by the TCP optimizer in the subscriber to network direction.
pktsTxToSub [Pkts Tx To Sub] (tmnxBsxTcpOptStatPktsTxToSub)	java. math. BigInteger	The value of tmnxBsxTcpOptStatPktsTxToSub indicates the number of packets transmitted by the TCP optimizer in the network to subscriber direction.
sessAbInact [Sess Ab Inact] (tmnxBsxTcpOptStatSessAbInact)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessAbInact indicates the number of sessions whose optimization was abandoned by the TCP optimizer due to inactivity.
sessAbOther [Sess Ab Other] (tmnxBsxTcpOptStatSessAbOther)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessAbOther indicates the number of sessions whose optimization was abandoned by the TCP optimizer due to other reasons.
sessAbPktErr [Sess Ab Pkt Err] (tmnxBsxTcpOptStatSessAbPktErr)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessAbPktErr indicates the number of sessions whose optimization was abandoned by the TCP optimizer due to a packet error.
sessAbUnsupPkt [Sess Ab Unsup Pkt] (tmnxBsxTcpOptStatSessAbUnsupPkt)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessAbUnsupPkt indicates the number of sessions whose optimization was abandoned by the TCP optimizer due to an unsupported packet format.
sessActive [Sess Active] (tmnxBsxTcpOptStatSessActive)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessActive indicates the number of sessions being optimized by the TCP optimizer.
sessOptimized [Sess Optimized] (tmnxBsxTcpOptStatSessOptimized)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessOptimized indicates the number of sessions that have been optimized by the TCP optimizer.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessUnExistSess [Sess Un Exist Sess] (tmnxBsxTcpOptStatSessUnExistSess)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessUnExistSess indicates the number of sessions that have not been optimized by the TCP optimizer due to an existing session.
sessUnInact [Sess Un Inact] (tmnxBsxTcpOptStatSessUnInact)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessUnInact indicates the number of sessions that have not been optimized by the TCP optimizer due to inactivity.
sessUnNoBuffers [Sess Un No Buffers] (tmnxBsxTcpOptStatSessUnNoBuffers)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessUnNoBuffers indicates the number of sessions that have not been optimized by the TCP optimizer due to no available buffers.
sessUnOther [Sess Un Other] (tmnxBsxTcpOptStatSessUnOther)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessUnOther indicates the number of sessions that have not been optimized by the TCP optimizer due to other reasons.
sessUnPktErr [Sess Un Pkt Err] (tmnxBsxTcpOptStatSessUnPktErr)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessUnPktErr indicates the number of sessions that have not been optimized by the TCP optimizer due to a packet error.
sessUnUnsupPkt [Sess Un Unsup Pkt] (tmnxBsxTcpOptStatSessUnUnsupPkt)	java. math. BigInteger	The value of tmnxBsxTcpOptStatSessUnUnsupPkt indicates the number of sessions that have not been optimized by the TCP optimizer due to an unsupported packet format.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxTcpValStats</p> <p>MIB entry name: tmnxBsxTcpValStatsEntry</p> <p>Entry description: Each tmnxBsxTcpValStatsEntry specifies Application Assurance TCP validation template statistics per group/partition. Rows in this table are automatically created and destroyed when validation templates are created or destroyed in the tmnxBsxTcpValTable. An index with a valid TCP validation template (an existing row in tmnxBsxTcpValTable) and tmnxChassisIndex set to one with a zero value for each of tmnxBsxCardSlotNum and tmnxMDASlotNum will return the summarized statistics per group and TCP validation template.</p> <p>Table description (for tmnxBsxTcpValStatsTable): The tmnxBsxTcpValTcaStatsTable contains an entry for each configured Application Assurance TCP validation template, as configured in tmnxBsxTcpValTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpValidation</p>		
allowed [Allowed] (tmnxBsxTcpValStatsAllowed)	java. math. BigInteger	The value of tmnxBsxTcpValStatsAllowed indicates the number allowed by the TCP validation template.
daughterCardSlotId [Daughter Card Slot Id] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
direction [Direction] (tmnxBsxTcpValStatsDirection)	int	The value of tmnxBsxTcpValStatsDirection indicates the direction of the TCP validation template statistics.
discntTime [Discnt Time] (tmnxBsxTcpValStatsDiscntTime)	long	The compliance statement for management of BSX features for SROS release 15.0 in the TIMETRA-BSX-NG-MIB.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropAfterRST [Drop After RST] (tmnxBsxTcpValStatsDropAfterRST)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAfterRST indicates the number dropped by the TCP validation template due to use after a reset (RST).
dropAlreadyEst [Drop Already Est] (tmnxBsxTcpValStatsDropAlreadyEst)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAlreadyEst indicates the number dropped by the TCP validation template due to being already established.
dropAsymmetric [Drop Asymmetric] (tmnxBsxTcpValStatsDropAsymmetric)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropAsymmetric indicates the number dropped by the TCP validation template due to asymmetric routing.
dropBadACK [Drop Bad ACK] (tmnxBsxTcpValStatsDropBadACK)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadACK indicates the number dropped by the TCP validation template due to an invalid acknowledgement number (ACK).
dropBadFlag [Drop Bad Flag] (tmnxBsxTcpValStatsDropBadFlag)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadFlag indicates the number dropped by the TCP validation template due to an invalid flag.
dropBadOption [Drop Bad Option] (tmnxBsxTcpValStatsDropBadOption)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadOption indicates the number dropped by the TCP validation template due to an invalid Option.
dropBadSEQ [Drop Bad SEQ] (tmnxBsxTcpValStatsDropBadSEQ)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropBadSEQ indicates the number dropped by the TCP validation template due to an invalid sequence number (SEQ).
dropFragmented [Drop Fragmented] (tmnxBsxTcpValStatsDropFragmented)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropFragmented indicates the number dropped by the TCP validation template due to fragmentation.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropNoEstmen [Drop No Estmen] (tmnxBsxTcpValStatsDropNoEstment)	java. math. BigInteger	The value of tmnxBsxTcpValStatsDropNoEstment indicates the number dropped by the TCP validation template due to no establishment.
units [Units] (tmnxBsxTcpValStatsUnits)	int	The value of tmnxBsxTcpValStatsUnits indicates the units of the TCP validation template statistics.
<p>BsxTcpValTcaStats</p> <p>MIB entry name: tmnxBsxTcpValTcaStatsEntry</p> <p>Entry description: Each tmnxBsxTcpValTcaStatsEntry specifies Application Assurance TCP validate TCA statistics per group/partition and TCA. Rows in this table are automatically created and destroyed when TCAs are created or destroyed in the tmnxBsxTcpValTcaTable.</p> <p>Table description (for tmnxBsxTcpValTcaStatsTable): The tmnxBsxTcpValTcaStatsTable contains an entry for each configured Application Assurance TCP validate TCA, as configured in tmnxBsxTcpValTcaTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AaTcpValidationTca</p>		
lastCleared [Last Cleared] (tmnxBsxTcpValTcaStatsLastCleared)	long	The value of tmnxBsxTcpValTcaStatsLastCleared indicates the last time, since system startup, when the tmnxBsxTcpValTcaStatsTcaState changed from 'raised (1)' to 'cleared (0)'.
lastRaised [Last Raised] (tmnxBsxTcpValTcaStatsLastRaised)	long	The value of tmnxBsxTcpValTcaStatsLastRaised indicates the last time, since system startup, when the tmnxBsxTcpValTcaStatsTcaState changed from 'cleared (0)' to 'raised (1)'.
tcaState [Tca State] (tmnxBsxTcpValTcaStatsTcaState)	int	The value of tmnxBsxTcpValTcaStatsTcaState indicates the state of the policer TCA.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
triggerType [Trigger Type] (tmnxBsxTcpValTcaStatsTcaTrigType)	int	The value of tmnxBsxTcpValTcaStatsTcaTrigType indicates the trigger type used.
<p>BsxTrafStats</p> <p>MIB entry name: tmnxBsxTrafStatEntry</p> <p>Entry description: Each tmnxBsxTrafStatEntry contains the traffic statistics for a particular group, partition, IP Protocol and IP Family.</p> <p>Table description (for tmnxBsxTrafStatTable): The tmnxBsxTrafStatTable contains an entry for each system wide IP Protocol and IP Family pairing per group and partition.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxTrafStatActFlwsFmSb)	long	The value of tmnxBsxTrafStatActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxTrafStatActFlwsToSb)	long	The value of tmnxBsxTrafStatActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxTrafStatLngDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxTrafStatMedDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxTrafStatShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxTrafStatFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxTrafStatFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxTrafStatFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxTrafStatFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction.
ipFamily [Ip Family] (tmnxBsxTrafStatIpFamily)	int	The value of tmnxBsxTrafStatIpFamily specifies the IP Family for the traffic statistics. IP Family values may be one of: ipv4 (1) - IPv4 ipv6 (2) - IPv6 dsLite (3) - IPv4 tunneled inside IPv6 sixRd (4) - IPv6 tunneled inside IPv4, includes 6rd, 6to4 teredo (5) - IPv6 tunneled inside UDP, tunneled inside IPv4
ipProtocol [Ip Protocol] (tmnxBsxTrafStatIpProtocol)	int	The value of tmnxBsxTrafStatIpProtocol specifies the IP Protocol for the traffic statistics. IP Protocol values may be one of: other (1) - all IP protocols not listed below tcp (2) - TCP traffic udp (3) - UDP traffic

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxTrafStatOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxTrafStatOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxTrafStatOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxTrafStatOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxTrafStatPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxTrafStatPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxTrafStatPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxTrafStatPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxTrafStatPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxTrafStatTermFlwDur)	java. math. BigInteger	The value of tmnxBsxTrafStatTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated.
termFlows [Term Flows] (tmnxBsxTrafStatTermFlws)	java. math. BigInteger	The value of tmnxBsxTrafStatTermFlws indicates the total number of allowed flows in both directions that have terminated.
<p>BsxTransitSubCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxTransitSubStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxTransitSubStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubSdyEntry</p> <p>Entry description: Each tmnxBsxStatAaSubSdyEntry contains the application assurance per-special study subscriber statistics for a combination of group, partition, statistics interval, statistics type, subscriber, and statistics name. A value of 'chargingGroup (4)' is not supported for the tmnxBsxStatAaType.</p> <p>Table description (for tmnxBsxStatAaSubSdyTable): The tmnxBsxStatAaSubSdyTable contains an entry for each application-assurance special study subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the special study subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>DbInfoTransitSubscriberSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: aapolicy.DbInfoTransitSubscriber</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHcMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHcMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHcShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHcShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHcFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHcFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHcFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHcFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHcFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHcFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHcFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHcFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>HttpNotifStats</p> <p>MIB entry name: tmnxChassisEntry</p> <p>Entry description: tmnxChassisEntry consists of the system level information pertaining to the hardware present in the system. Only one entry is created and maintained by the system, which is assigned the tmnxChassisIndex value '1'. Once this entry is created, it cannot be destroyed. Additional entries cannot be manually created or destroyed. Support of multiple chassis' are managed through the use of tmnxPhysChassisTable.</p> <p>Table description (for tmnxChassisTable): tmnxChassisTable contains Nokia 7x50 system level information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: aapolicy.AppQosPolicy</p>		
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
criteriaNoMatchCount [Criteria No Match Count] (tmnxBsxHttpNotifStatCritNoMtch)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatCritNoMtch indicates the number of messages which did not match the selection criteria for insertion of the script URL.

Table 516 aapolicy statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedCount [Failed Count] (tmnxBsxHttpNotifStatFailed)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatFailed indicates the number of times a HTTP notification is known to have failed.
grpPartIndex [Grp Part Index] (tmnxBsxAaGrpPartIndex)	long	The value of tmnxBsxAaGrpPartIndex specifies the partition index within an AA group. The corresponding row for the AA group must have already been created in the tmnxBsxIsaAaGrpTable. Partition index '0' indicates group wide AA policy information, and is automatically created when the AA group is created in the tmnxBsxIsaAaGrpTable.
insertedCount [Inserted Count] (tmnxBsxHttpNotifStatInserted)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatInserted indicates the number of times the script URL was inserted into a message.
mdaSlotNum [Mda Slot Num] (tmnxMDASlotNum)	long	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
statusLastChangedTime [Status Last Changed Time] (tmnxBsxHttpNotifStatDiscntTime)	long	The value of tmnxBsxHttpNotifStatDiscntTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
successCount [Success Count] (tmnxBsxHttpNotifStatSuccess)	java. math. BigInteger	The value of tmnxBsxHttpNotifStatSuccess indicates the number of times a HTTP notification success report was received.

Table 517 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 517 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 517 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 518 acfilterli statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LilpFilterEntryStats</p> <p>MIB entry name: tLilpFilterParamsInfoEntry</p> <p>Entry description: This row complements the corresponding row in the tLilpFilterParamsTable with read-only operational info. Entries are created and deleted automatically by the system when a corresponding entry in tLilpFilterParamsTable is created / deleted.</p> <p>Table description (for tLilpFilterParamsInfoTable): The table tLilpFilterParamsInfoTable contains read-only information pertaining to LI IP filter match entries of LI IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • acfilterli.LilpFilterEntry • acfilterli.Lilpv6FilterEntry 		
egressHitBytes [Egress Hit Bytes] (tLilpFltrParamsInfEgrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLilpFltrParamsInfEgrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLilpFltrParamsInfIngrHitBytes)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLilpFltrParamsInfIngrHitCount)	java. math. BigInteger	The value of the object tLilpFltrParamsInfIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 518 acfilterli statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LiMacFilterEntryStats</p> <p>MIB entry name: tLiMacFilterParamsEntry</p> <p>Entry description: An LI MAC filter match entry.</p> <p>Table description (for tLiMacFilterParamsTable): The table tLiMacFilterParamsTable contains all LI MAC filter match entries for all LI MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilterli.LiMacFilterEntry</p>		
egressHitBytes [Egress Hit Bytes] (tLiMacFilterParamsEgrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsEgrHitBytes indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tLiMacFilterParamsEgrHitCount)	java. math. BigInteger	This object tLiMacFilterParamsEgrHitCount indicates the number of times an egress packet matched this entry.
ingressHitBytes [Ingress Hit Bytes] (tLiMacFilterParamsIngrHitBytes)	java. math. BigInteger	The value of tLiMacFilterParamsIngrHitBytes indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tLiMacFilterParamsIngrHitCount)	java. math. BigInteger	The object tLiMacFilterParamsIngrHitCount indicates the number of times an ingress packet matched this entry.

Table 519 aps statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ApsChannelStats MIB entry name: apsChanStatusEntry Entry description: A conceptual row in the apsChanStatusTable. Table description (for apsChanStatusTable): This table contains status information for all SONET LTE interfaces that are included in APS groups. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsChannel</p>		
discontinuityTime [Discontinuity Time] (apsChanStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this channel's counters suffered a discontinuity. The relevant counters are the specific instances associated with this channel of any Counter32 object contained in apsChanStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.
lastSwitchover [Last Switchover] (apsChanStatusLastSwitchover)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the value of sysUpTime when this channel last completed a switch to the protection line. If this channel has never switched to the protection line, the value 0 will be returned. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the value of sysUpTime the last time that a working channel was switched back to the working line from this protection line. If no working channel has ever switched back to the working line from this protection line, the value 0 will be returned.

Table 519 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalDegrades [Signal Degrades] (apsChanStatusSignalDegrades)	long	A count of Signal Degrade conditions. This condition occurs when the line Bit Error Rate exceeds the currently configured value of the relevant instance of apsConfigSdBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
signalFailures [Signal Failures] (apsChanStatusSignalFailures)	long	A count of Signal Failure conditions that have been detected on the incoming signal. This condition occurs when a loss of signal, loss of frame, AIS-L or a Line bit error rate exceeding the currently configured value of the relevant instance of apsConfigSfBerThreshold. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
switchoverSeconds [Switchover Seconds] (apsChanStatusSwitchoverSeconds)	long	The cumulative Protection Switching Duration (PSD) time in seconds. For a working channel, this is the cumulative number of seconds that service was carried on the protection line. For the protection line, this is the cumulative number of seconds that the protection line has been used to carry any working channel traffic. This information is only valid if revertive switching is enabled. The value 0 will be returned otherwise. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime. For example, if the value of an instance of apsChanStatusSwitchoverSeconds changes from a non-zero value to zero due to revertive switching being disabled, it is expected that the corresponding value of apsChanStatusDiscontinuityTime will be updated to reflect the time of the configuration change.

Table 519 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
switchovers [Switchovers] (apsChanStatusSwitchovers)	long	When queried with index value apsChanConfigNumber other than 0, this object will return the number of times this channel has switched to the protection line. When queried with index value apsChanConfigNumber set to 0, which is the protection line, this object will return the number of times that any working channel has been switched back to the working line from this protection line. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsChanStatusDiscontinuityTime.
<p>ApsGroupStats MIB entry name: apsStatusEntry Entry description: A conceptual row in the apsStatusTable. Table description (for apsStatusTable): This table provides status information about APS groups that have been configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: aps.ApsGroup</p>		
channelMismatches [Channel Mismatches] (apsStatusChannelMismatches)	long	A count of Channel Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
discontinuityTime [Discontinuity Time] (apsStatusDiscontinuityTime)	long	The value of sysUpTime on the most recent occasion at which any one or more of this APS group's counters suffered a discontinuity. The relevant counters are the specific instances associated with this APS group of any Counter32 object contained in apsStatusTable. If no such discontinuities have occurred since the last re-initialization of the local management subsystem, then this object contains a zero value.

Table 519 aps statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fEPLFs [fEPLFs] (apsStatusfEPLFs)	long	A count of Far-End Protection-Line Failure conditions. This condition is declared based on receiving SF on the protection line in the K1 byte. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
modeMismatches [Mode Mismatches] (apsStatusModeMismatches)	long	A count of Mode Mismatch conditions. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.
pSBFs [PSBFs] (apsStatusPSBFs)	long	A count of Protection Switch Byte Failure conditions. This condition occurs when either an inconsistent APS byte or an invalid code is detected. An inconsistent APS byte occurs when no three consecutive K1 bytes of the last 12 successive frames are identical, starting with the last frame containing a previously consistent byte. An invalid code occurs when the incoming K1 byte contains an unused code or a code irrelevant for the specific switching operation (e.g., Reverse Request while no switching request is outstanding) in three consecutive frames. An invalid code also occurs when the incoming K1 byte contains an invalid channel number in three consecutive frames. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of apsStatusDiscontinuityTime.

Table 520 arp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapArpHostStats</p> <p>MIB entry name: sapArpHostStatEntry</p> <p>Entry description: ARP host specific status and statistics information about a SAP.</p> <p>Table description (for sapArpHostStatTable): A table that contains ARP host status and statistics information about SAP's.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		
numAuthReq [Num Auth Req] (sapArpHostStatNumAuthReq)	long	The value of sapArpHostStatNumAuthReq indicates the number of times that the system initiated an authentication request for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numCreated [Num Created] (sapArpHostStatNumCreated)	long	The value of sapArpHostStatNumCreated indicates the number of times that an ARP host was created on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numDeleted [Num Deleted] (sapArpHostStatNumDeleted)	long	The value of sapArpHostStatNumDeleted indicates the number of times that an ARP host was deleted on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
numForcedVerif [Num Forced Verif] (sapArpHostStatNumForcedVerif)	long	The value of sapArpHostStatNumForcedVerif indicates the number of times that the system started a forced subscriber host connectivity verification for an ARP host on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 520 arp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numHosts [Num Hosts] (sapArpHostStatNumHosts)	long	The value of sapArpHostStatNumHosts indicates the actual number of ARP hosts on this SAP.
numUpdated [Num Updated] (sapArpHostStatNumUpdated)	long	The value of sapArpHostStatNumUpdated indicates the number of times that an ARP host was updated on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
trigIgnQFull [Trig Ign QFull] (sapArpHostStatTrigIgnQFull)	long	The value of sapArpHostStatTrigIgnQFull indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host because the internal ARP trigger event queue of the system was full, since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
triggersIgnored [Triggers Ignored] (sapArpHostStatTriggersIgnored)	long	The value of sapArpHostStatTriggersIgnored indicates the number of ARP triggers received on this SAP that did not result in the creation of a new ARP host since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared. This number does not include the number indicated by sapArpHostStatTrigIgnQFull.
triggersRx [Triggers Rx] (sapArpHostStatTriggersRx)	long	The value of sapArpHostStatTriggersRx indicates the number of ARP triggers received on this SAP since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 521 atm statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ATMCpStats</p> <p>MIB entry name: tAtmCpStatisticsEntry</p> <p>Entry description: An entry in the tAtmCpStatisticsTable contains statistics information applicable to a particular connection profile assigned to a particular interface.</p> <p>Table description (for tAtmCpStatisticsTable): The tAtmCpStatisticsTable is used to gather statistics on connection profiles assigned to interfaces.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmCpStatsClp0CellsRxd [TAtm Cp Stats Clp 0 Cells Rxd] (tAtmCpStatsClp0CellsRxd)	java. math. BigInteger	The value of tAtmCpStatsClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the connection profile.
tAtmCpStatsClp0CellsTxd [TAtm Cp Stats Clp 0 Cells Txd] (tAtmCpStatsClp0CellsTxd)	java. math. BigInteger	The value of tAtmCpStatsClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the connection profile.
tAtmCpStatsDrpCellsRxd [TAtm Cp Stats Drp Cells Rxd] (tAtmCpStatsDrpCellsRxd)	long	The value of tAtmCpStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the connection profile. This excludes any buffer management discards (if applicable).
tAtmCpStatsDrpClp0CellsRxd [TAtm Cp Stats Drp Clp 0 Cells Rxd] (tAtmCpStatsDrpClp0CellsRxd)	long	The value of tAtmCpStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the connection profile. This excludes any buffer management discards (if applicable).
tAtmCpStatsDrpClp0CellsTxd [TAtm Cp Stats Drp Clp 0 Cells Txd] (tAtmCpStatsDrpClp0CellsTxd)	long	The value of tAtmCpStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this connection profile. This includes both discards due to buffer management and policer.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmCpStatsTagCells [TAtm Cp Stats Tag Cells] (tAtmCpStatsTagCells)	long	The tAtmIImiLinkStatusChange notification is sent whenever a status change occurs on an ILMI link. This includes changes to the ILMI link's administrative status and the ILMI link's operational status.
tAtmCpStatsTotalCellsRxd [TAtm Cp Stats Total Cells Rxd] (tAtmCpStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmCpStatsTotalCellsRxd indicates the number of valid ATM cells received by the connection profile. If traffic policing is implemented, then cells are counted prior to the application of traffic policing. To obtain the byte count multiply tAtmCpStatsTotalCellsRxd by 53.
tAtmCpStatsTotalCellsTxd [TAtm Cp Stats Total Cells Txd] (tAtmCpStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmCpStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the connection profile. If traffic policing is implemented, then cells are counted prior to the application of traffic policing. To obtain the byte count multiply tAtmCpStatsTotalCellsTxd by 53.
<p>AtmCellVclStatistics</p> <p>MIB entry name: tAtmCellVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmCellVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmCellVclStatisticsTable): tAtmCellVclStatisticsTable is used to gather cell-level statistics on a particular VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
tAtmCellVclStatsClp0CellsRxd [TAtm Cell Vcl Stats Clp 0 Cells Rxd] (tAtmCellVclStatsClp0CellsRxd)	java. math. BigInteger	The value of tAtmCellVclStatsClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VCL.
tAtmCellVclStatsClp0CellsTxd [TAtm Cell Vcl Stats Clp 0 Cells Txd] (tAtmCellVclStatsClp0CellsTxd)	java. math. BigInteger	The value of tAtmCellVclStatsClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VCL.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmCellVclStatsDrpCellsRxd [TAtm Cell Vcl Stats Drp Cells Rxd] (tAtmCellVclStatsDrpCellsRxd)	long	The value of tAtmCellVclStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VCL. This excludes any buffer management discards (if applicable).
tAtmCellVclStatsDrpClp0CellsRxd [TAtm Cell Vcl Stats Drp Clp 0 Cells Rxd] (tAtmCellVclStatsDrpClp0CellsRxd)	long	The value of tAtmCellVclStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VCL. This excludes any buffer management discards (if applicable).
tAtmCellVclStatsDrpClp0CellsTxd [TAtm Cell Vcl Stats Drp Clp 0 Cells Txd] (tAtmCellVclStatsDrpClp0CellsTxd)	long	The value of tAtmCellVclStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VCL. This includes both discards due to buffer management and policer.
tAtmCellVclStatsTagCells [TAtm Cell Vcl Stats Tag Cells] (tAtmCellVclStatsTagCells)	long	The value of tAtmCellVclStatsTagCells indicates the number of tagged CLP=0 cells of the VCL. The egress may or may not discard these cells.
<p>AtmIfcStatistics</p> <p>MIB entry name: tAtmIfcStatisticsEntry</p> <p>Entry description: An entry in the tAtmIfcStatisticsTable containing statistics information applicable to a particular IFC entry.</p> <p>Table description (for tAtmIfcStatisticsTable): The tAtmIfcStatisticsTable is used to gather cell-level statistics on a particular IFC entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IfConnection</p>		
tAtmIfcStatsDrpCellsRxd [TAtm Ifc Stats Drp Cells Rxd] (tAtmIfcStatsDrpCellsRxd)	long	The value of tAtmIfcStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the IFC. This excludes any buffer management discards (if applicable).
tAtmIfcStatsDrpClp0CellsRxd [TAtm Ifc Stats Drp Clp 0 Cells Rxd] (tAtmIfcStatsDrpClp0CellsRxd)	long	The value of tAtmIfcStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the IFC. This excludes any buffer management discards (if applicable).

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmIfcStatsDrpClp0CellsTxd [TAtm Ifc Stats Drp Clp 0 Cells Txd] (tAtmIfcStatsDrpClp0CellsTxd)	long	The value of tAtmIfcStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this IFC. This includes both discards due to buffer management and policer.
tAtmIfcStatsTagCells [TAtm Ifc Stats Tag Cells] (tAtmIfcStatsTagCells)	long	The value of tAtmIfcStatsTagCells indicates the number of tagged CLP=0 cells of the IFC. The egress may or may not discard these cells.
tAtmIfcStatsTotalBytesRxd [TAtm Ifc Stats Total Bytes Rxd] (tAtmIfcStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesTxd indicates the number of bytes transmitted by this IFC. This is the number of tAtmIfcStatsTotalCellsTxd multiplied by 53.
tAtmIfcStatsTotalBytesTxd [TAtm Ifc Stats Total Bytes Txd] (tAtmIfcStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalBytesRxd indicates the number of bytes received by this IFC. This is the number of tAtmIfcStatsTotalCellsRxd multiplied by 53.
tAtmIfcStatsTotalCellsRxd [TAtm Ifc Stats Total Cells Rxd] (tAtmIfcStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsRxd indicates the number of valid ATM cells received by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalCellsTxd [TAtm Ifc Stats Total Cells Txd] (tAtmIfcStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the IFC including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsRxd [TAtm Ifc Stats Total Clp 0 Cells Rxd] (tAtmIfcStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmIfcStatsTotalClp0CellsTxd [TAtm Ifc Stats Total Clp 0 Cells Txd] (tAtmIfcStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmIfcStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the IFC. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmOamVplStatistics</p> <p>MIB entry name: tAtmOamVplStatisticsEntry</p> <p>Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB.</p> <p>Table description (for tAtmOamVplStatisticsTable): The tAtmOamVplStatisticsTable is used to gather oam statistics on a particular VPL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VPConnection</p>		
tAtmOamVplStatsAISCellsRxd [TAtm Oam Vpl Stats AISCells Rxd] (tAtmOamVplStatsAISCellsRxd)	long	The value of tAtmOamVplStatsAISCellsRxd indicates the number of AIS cells received on this VPL for both end to end and segment.
tAtmOamVplStatsAISCellsTxd [TAtm Oam Vpl Stats AISCells Txd] (tAtmOamVplStatsAISCellsTxd)	long	The value of tAtmOamVplStatsAISCellsTxd indicates the number of AIS cells transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsCrc10Errors [TAtm Oam Vpl Stats Crc 10 Errors] (tAtmOamVplStatsCrc10Errors)	long	The value of tAtmOamVplStatsCrc10Errors indicates the number of OAM cells discarded on this VPL with CRC 10 errors.
tAtmOamVplStatsLoopbackCellsRxd [TAtm Oam Vpl Stats Loopback Cells Rxd] (tAtmOamVplStatsLoopbackCellsRxd)	long	The value of tAtmOamVplStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VPL for both end to end and segment.
tAtmOamVplStatsLoopbackCellsTxd [TAtm Oam Vpl Stats Loopback Cells Txd] (tAtmOamVplStatsLoopbackCellsTxd)	long	The value of tAtmOamVplStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VPL for both end to end and segment.
tAtmOamVplStatsOtherCellsRxd [TAtm Oam Vpl Stats Other Cells Rxd] (tAtmOamVplStatsOtherCellsRxd)	long	This value of tAtmOamVplStatsOtherCellsRxd indicates the number of OAM cells that are received on this VPL but not identified.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmOamVplStatsRDICellsRxd [TAtm Oam Vpl Stats RDICells Rxd] (tAtmOamVplStatsRDICellsRxd)	long	The value of tAtmOamVplStatsRDICellsRxd indicates the number of RDI cells received on this VPL for both end to end and segment.
tAtmOamVplStatsRDICellsTxd [TAtm Oam Vpl Stats RDICells Txd] (tAtmOamVplStatsRDICellsTxd)	long	The value of tAtmOamVplStatsRDICellsTxd indicates the number of RDI cells transmitted on this VPL for both end to end and segment.
<p>AtmVplStatistics MIB entry name: tAtmVplStatisticsEntry Entry description: An entry in the tAtmVplStatisticsTable containing statistics information applicable to a particular VPL entry in the AToM MIB. Table description (for tAtmVplStatisticsTable): The tAtmVplStatisticsTable is used to gather cell-level statistics on a particular VPL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.VPConnection</p>		
tAtmVplStatsDrpCellsRxd [TAtm Vpl Stats Drp Cells Rxd] (tAtmVplStatsDrpCellsRxd)	long	The value of tAtmVplStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsRxd [TAtm Vpl Stats Drp Clp 0 Cells Rxd] (tAtmVplStatsDrpClp0CellsRxd)	long	The value of tAtmVplStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VPL. This excludes any buffer management discards (if applicable).
tAtmVplStatsDrpClp0CellsTxd [TAtm Vpl Stats Drp Clp 0 Cells Txd] (tAtmVplStatsDrpClp0CellsTxd)	long	The value of tAtmVplStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VPL. This includes both discards due to buffer management and policer.
tAtmVplStatsTagCells [TAtm Vpl Stats Tag Cells] (tAtmVplStatsTagCells)	long	The value of tAtmVplStatsTagCells indicates the number of tagged CLP=0 cells of the VPL. The egress may or may not discard these cells.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVplStatsTotalBytesRxd [TAtm Vpl Stats Total Bytes Rxd] (tAtmVplStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesRxd indicates the number of bytes received by this VPL. This is the number of tAtmVplStatsTotalCellsRxd multiplied by 53.
tAtmVplStatsTotalBytesTxd [TAtm Vpl Stats Total Bytes Txd] (tAtmVplStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalBytesTxd indicates the number of bytes transmitted by this VPL. This is the number of tAtmVplStatsTotalCellsTxd multiplied by 53.
tAtmVplStatsTotalCellsRxd [TAtm Vpl Stats Total Cells Rxd] (tAtmVplStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsRxd indicates the number of valid ATM cells received by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalCellsTxd [TAtm Vpl Stats Total Cells Txd] (tAtmVplStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VPL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsRxd [TAtm Vpl Stats Total Clp 0 Cells Rxd] (tAtmVplStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVplStatsTotalClp0CellsTxd [TAtm Vpl Stats Total Clp 0 Cells Txd] (tAtmVplStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVplStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VPL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AtmVtlStatistics</p> <p>MIB entry name: tAtmVtlStatisticsEntry</p> <p>Entry description: An entry in the tAtmVtlStatisticsTable containing statistics information applicable to a particular VTL entry.</p> <p>Table description (for tAtmVtlStatisticsTable): The tAtmVtlStatisticsTable is used to gather cell-level statistics on a particular VTL entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.VTConnection</p>		
tAtmVtlStatsDrpCellsRxd [TAtm Vtl Stats Drp Cells Rxd] (tAtmVtlStatsDrpCellsRxd)	long	The value of tAtmVtlStatsDrpCellsRxd indicates the number of all policer cells discards (CLP=0+1) of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsRxd [TAtm Vtl Stats Drp Clp 0 Cells Rxd] (tAtmVtlStatsDrpClp0CellsRxd)	long	The value of tAtmVtlStatsDrpClp0CellsRxd indicates the number of all policer CLP=0 cells discards of the VTL. This excludes any buffer management discards (if applicable).
tAtmVtlStatsDrpClp0CellsTxd [TAtm Vtl Stats Drp Clp 0 Cells Txd] (tAtmVtlStatsDrpClp0CellsTxd)	long	The value of tAtmVtlStatsDrpClp0CellsTxd indicates the number of all CLP=0 cells discards of this VTL. This includes both discards due to buffer management and policer.
tAtmVtlStatsTagCells [TAtm Vtl Stats Tag Cells] (tAtmVtlStatsTagCells)	long	The value of tAtmVtlStatsTagCells indicates the number of tagged CLP=0 cells of the VTL. The egress may or may not discard these cells.
tAtmVtlStatsTotalBytesRxd [TAtm Vtl Stats Total Bytes Rxd] (tAtmVtlStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalBytesTxd indicates the number of bytes transmitted by this VTL. This is the number of tAtmVtlStatsTotalCellsTxd multiplied by 53.
tAtmVtlStatsTotalBytesTxd [TAtm Vtl Stats Total Bytes Txd] (tAtmVtlStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalBytesRxd indicates the number of bytes received by this VTL. This is the number of tAtmVtlStatsTotalCellsRxd multiplied by 53.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tAtmVtlStatsTotalCellsRxd [TAtm Vtl Stats Total Cells Rxd] (tAtmVtlStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalCellsRxd indicates the number of valid ATM cells received by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalCellsTxd [TAtm Vtl Stats Total Cells Txd] (tAtmVtlStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VTL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsRxd [TAtm Vtl Stats Total Clp 0 Cells Rxd] (tAtmVtlStatsTotalClp0CellsRxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsRxd indicates the number of valid ATM CLP=0 cells received by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmVtlStatsTotalClp0CellsTxd [TAtm Vtl Stats Total Clp 0 Cells Txd] (tAtmVtlStatsTotalClp0CellsTxd)	java. math. BigInteger	The value of tAtmVtlStatsTotalClp0CellsTxd indicates the number of valid ATM CLP=0 cells transmitted by the VTL. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
<p>IlmiStatistics</p> <p>MIB entry name: tAtmIlmiLinkStatisticsEntry</p> <p>Entry description: An entry in the tAtmIlmiLinkStatisticsTable containing statistics information applicable to a particular ILMI link on an ATM interface.</p> <p>Table description (for tAtmIlmiLinkStatisticsTable): The tAtmIlmiLinkStatisticsTable is used to gather statistics on a particular ILMI Link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.IlmiLink</p>		
inBadValueErrors [In Bad Value Errors] (tAtmIlmiLinkInBadValueErrors)	long	The value of tAtmIlmiLinkInBadValueErrors indicates the total number SNMP 'BadValue' error messages received on this ILMI link.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inGeneralErrors [In General Errors] (tAtmIImiLinkInGeneralErrors)	long	The value of tAtmIImiLinkInGeneralErrors indicates the total number SNMP 'General' error messages received on this ILMI link.
inGetNextRequest [In Get Next Request] (tAtmIImiLinkInGetNextRequestPdus)	long	The value of tAtmIImiLinkInGetNextRequestPdus indicates the total number 'GetNextRequest' SNMP PDUs received on this ILMI link.
inGetRequest [In Get Request] (tAtmIImiLinkInGetRequestPdus)	long	The value of tAtmIImiLinkInGetRequestPdus indicates the total number GetRequest SNMP PDUs received on this ILMI link.
inGetResponse [In Get Response] (tAtmIImiLinkInGetResponsePdus)	long	The value of tAtmIImiLinkInGetResponsePdus indicates the total number 'GetResponse' SNMP PDUs received on this ILMI link in response to 'GetRequest', 'GetNextRequest' and 'SetRequests' sent.
inNoSuchNameErrors [In No Such Name Errors] (tAtmIImiLinkInNoSuchNameErrors)	long	The value of tAtmIImiLinkInNoSuchNameErrors indicates the total number SNMP 'NoSuchName' error messages received on this ILMI link.
inPdu [In Pdu] (tAtmIImiLinkInPdus)	long	The value of tAtmIImiLinkInPdus indicates the total number SNMP PDUs received on this ILMI link.
inReadOnlyErrors [In Read Only Errors] (tAtmIImiLinkInReadOnlyErrors)	long	The value of tAtmIImiLinkInReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages received on this ILMI link.
inSetRequestPackets [In Set Request Packets] (tAtmIImiLinkInSetRequestPdus)	long	The value of tAtmIImiLinkInSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs received on this ILMI link.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTooBigErrors [In Too Big Errors] (tAtmIImiLinkInTooBigErrors)	long	The value of tAtmIImiLinkInTooBigErrors indicates the total number SNMP `TooBig' error messages received on this ILMI link.
inTraps [In Traps] (tAtmIImiLinkInTrapPdus)	long	The value of tAtmIImiLinkInTrapPdus indicates the total number Trap SNMP PDUs received on this ILMI link.
outBadValueErrors [Out Bad Value Errors] (tAtmIImiLinkOutBadValueErrors)	long	The value of tAtmIImiLinkOutBadValueErrors indicates the total number SNMP `BadValue' error messages sent on this ILMI link.
outGeneralErrors [Out General Errors] (tAtmIImiLinkOutGeneralErrors)	long	The value of tAtmIImiLinkOutGeneralErrors indicates the total number SNMP `General' error messages sent on this ILMI link.
outGetNextRequest [Out Get Next Request] (tAtmIImiLinkOutGetNextRequestPdus)	long	The value of tAtmIImiLinkOutGetNextRequestPdus indicates the total number GetNextRequest SNMP PDUs sent on this ILMI link.
outGetRequest [Out Get Request] (tAtmIImiLinkOutGetRequestPdus)	long	The value of tAtmIImiLinkOutGetRequestPdus indicates the total number GetRequest SNMP PDUs sent on this ILMI link.
outGetResponse [Out Get Response] (tAtmIImiLinkOutGetResponsePdus)	long	The value of tAtmIImiLinkOutGetResponsePdus indicates the total number GetResponse SNMP PDUs sent on this ILMI link in response to GetRequest, GetNextRequest and 'SetRequests' received.
outNoSuchNameErrors [Out No Such Name Errors] (tAtmIImiLinkOutNoSuchNameErrors)	long	The value of tAtmIImiLinkOutNoSuchNameErrors indicates the total number SNMP `NoSuchName' error messages sent on this ILMI link.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outPdu [Out Pdu] (tAtmIImiLinkOutPdus)	long	The value of tAtmIImiLinkOutPdus indicates the total number SNMP PDUs sent on this ILMI link.
outReadOnlyErrors [Out Read Only Errors] (tAtmIImiLinkOutReadOnlyErrors)	long	The value of tAtmIImiLinkOutReadOnlyErrors indicates the total number SNMP 'ReadOnly' error messages sent on this ILMI link.
outSetRequestPackets [Out Set Request Packets] (tAtmIImiLinkOutSetRequestPdus)	long	The value of tAtmIImiLinkOutSetRequestPdus indicates the total number 'SetRequest' SNMP PDUs sent on this ILMI link.
outTooBigErrors [Out Too Big Errors] (tAtmIImiLinkOutTooBigErrors)	long	The value of tAtmIImiLinkOutTooBigErrors indicates the total number SNMP 'TooBig' error messages sent on this ILMI link.
outTraps [Out Traps] (tAtmIImiLinkOutTrapPdus)	long	The value of tAtmIImiLinkOutTrapPdus indicates the total number Trap SNMP PDUs sent on this ILMI link.
snmpCommStringErrors [Snmp Comm String Errors] (tAtmIImiLinkInInvalidSnmpCommunityStringPdus)	long	The value of tAtmIImiLinkInInvalidSnmpCommunityStringPdus indicates the total number SNMP PDUs received with invalid community string on this ILMI link.
snmpFormatErrors [Snmp Format Errors] (tAtmIImiLinkInInvalidSnmpFormatPdus)	long	The value of tAtmIImiLinkInInvalidSnmpFormatPdus indicates the total number SNMP PDUs received with invalid ASN.1 format on this ILMI link.
snmpVersionErrors [Snmp Version Errors] (tAtmIImiLinkInInvalidSnmpVersionPdus)	long	The value of tAtmIImiLinkInInvalidSnmpVersionPdus indicates the total number SNMP PDUs received with invalid version on this ILMI link.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAal5Stats</p> <p>MIB entry name: tAtmIntfAal5StatsEntry</p> <p>Entry description: An entry in the tAtmIntfAal5StatsEntry containing statistics information applicable to an ATM interface at the AAL5 Layer.</p> <p>Table description (for tAtmIntfAal5StatsTable): The tAtmIntfAal5StatsTable contains ATM interface stats at the AAL5 Layer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
tAtmInterfaceAal5StatsTotalCrc32Errors [TAtm Interface Aal5 Stats Total Crc 32 Errors] (tAtmIntfAal5StatsTotalCrc32Err)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalCrc32Err indicates the number of Errors detected by the 32 bit cyclic redundancy check.
tAtmInterfaceAal5StatsTotalPktsDroppedRxd [TAtm Interface Aal5 Stats Total Pkts Dropped Rxd] (tAtmIntfAal5StatsTotalPktsDrpRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpRxd indicates the number of AAL5 PDUs dropped by the ATM interface in the receive direction. This count does not include crc32 Errors or oversized SDU discards
tAtmInterfaceAal5StatsTotalPktsDroppedTxd [TAtm Interface Aal5 Stats Total Pkts Dropped Txd] (tAtmIntfAal5StatsTotalPktsDrpTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsDrpTxd indicates the number of AAL5 PDUs dropped in the transmit direction. This count does not include crc32 Errors or oversized SDU discards.
tAtmInterfaceAal5StatsTotalPktsRxd [TAtm Interface Aal5 Stats Total Pkts Rxd] (tAtmIntfAal5StatsTotalPktsRxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsRxd indicates the number of AAL5 PDUs that are received by the ATM interface.
tAtmInterfaceAal5StatsTotalPktsTxd [TAtm Interface Aal5 Stats Total Pkts Txd] (tAtmIntfAal5StatsTotalPktsTxd)	java. math. BigInteger	The value of tAtmIntfAal5StatsTotalPktsTxd indicates the number of AAL5 PDUs that are transmitted by the ATM interface.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: tAtmIntfStatsEntry Entry description: An entry in the tAtmIntfStatsEntry containing statistics information applicable to an ATM interface. Table description (for tAtmIntfStatsTable): The tAtmIntfStatsTable contains ATM interface stats at the ATM Layer. Supports realtime plotting Supports scheduled collection Monitored class: atm.Interface		
tAtmInterfaceStatsTotalBytesRxd [TAtm Interface Stats Total Bytes Rxd] (tAtmIntfStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesRxd indicates the number of bytes received on this interface. This is the number of tAtmIntfStatsTotalCellsRxd multiplied by 53.
tAtmInterfaceStatsTotalBytesTxd [TAtm Interface Stats Total Bytes Txd] (tAtmIntfStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalBytesTxd indicates the number of bytes transmitted on this interface. This is the number of tAtmIntfStatsTotalCellsTxd multiplied by 53.
tAtmInterfaceStatsTotalCellsRxd [TAtm Interface Stats Total Cells Rxd] (tAtmIntfStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsRxd indicates the number of valid ATM cells received by the ATM interface including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
tAtmInterfaceStatsTotalCellsTxd [TAtm Interface Stats Total Cells Txd] (tAtmIntfStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmIntfStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the ATM interface including both CLP=0 and CLP=1 cells.
tAtmInterfaceStatsTotalUnknownCellsDropped [TAtm Interface Stats Total Unknown Cells Dropped] (tAtmIntfStatsTotalUnknCellsDrp)	long	The value of tAtmIntfStatsTotalUnknCellsDrp indicates the number of cells dropped due to an unknown VPI/VCI.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionAal5PerformanceStats</p> <p>MIB entry name: aal5VccEntry</p> <p>Entry description: This list contains the AAL5 VCC performance parameters and is indexed by ifIndex values of AAL5 interfaces and the associated VPI/VCI values.</p> <p>Table description (for aal5VccTable): This table contains AAL5 VCC performance parameters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
aal5CrcErrors [Aal5 Crc Errors] (aal5VccCrcErrors)	long	The number of AAL5 CPCS PDUs received with CRC-32 errors on this AAL5 VCC at the interface associated with an AAL5 entity.
aal5OverSizedSDUs [Aal5 Over Sized SDUs] (aal5VccOverSizedSDUs)	long	The number of AAL5 CPCS PDUs discarded on this AAL5 VCC at the interface associated with an AAL5 entity because the AAL5 SDUs were too large.
aal5SarTimeOuts [Aal5 Sar Time Outs] (aal5VccSarTimeOuts)	long	The number of partially re-assembled AAL5 CPCS PDUs which were discarded on this AAL5 VCC at the interface associated with an AAL5 entity because they were not fully re-assembled within the required time period. If the re-assembly timer is not supported, then this object contains a zero value.
<p>PvcConnectionAal5Stats</p> <p>MIB entry name: tAal5VccStatisticsEntry</p> <p>Entry description: An entry in the tAal5VccStatisticsTable containing statistics information applicable to a particular AAL5 VCC entry in the AToM MIB.</p> <p>Table description (for tAal5VccStatisticsTable): tAal5VccStatisticsTable is used to gather AAL5-level statistics on a particular AAL5 VCC entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aal5DroppedPacketsRxd [Aal5 Dropped Packets Rxd] (tAal5VccStatsDrpPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsRxd indicates the number of dropped AAL-5 SDUs that have been received on the AAL-5 VCC.
aal5DroppedPacketsTxd [Aal5 Dropped Packets Txd] (tAal5VccStatsDrpPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsDrpPacketsTxd indicates the number of dropped AAL-5 SDUs that would have been transmitted on the AAL-5 VCC.
aal5PacketsRxd [Aal5 Packets Rxd] (tAal5VccStatsPacketsRxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsRxd indicates the number of valid AAL-5 SDUs and AAL-5 SDUs with CRC-32 errors received by the AAL-5 VCC.
aal5PacketsTxd [Aal5 Packets Txd] (tAal5VccStatsPacketsTxd)	java. math. BigInteger	The value of tAal5VccStatsPacketsTxd indicates the number of AAL-5 SDUs transmitted by the AAL-5 VCC.
PvcConnectionOamStats MIB entry name: tAtmOamVclStatisticsEntry Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB. Table description (for tAtmOamVclStatisticsTable): The tAtmOamVclStatisticsTable is used to gather oam statistics on a particular VCL entry in the RFC 2515 AToM MIB. Supports realtime plotting Supports scheduled collection Monitored class: atm.PvcConnection		
oamAISCellsRxd [Oam AISCells Rxd] (tAtmOamVclStatsAISCellsRxd)	long	The value of tAtmOamVclStatsAISCellsRxd indicates the number of AIS cells received on this VC for both end to end and segment.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oamAISCellsTxd [Oam AISCells Txd] (tAtmOamVclStatsAISCellsTxd)	long	The value of tAtmOamVclStatsAISCellsTxd indicates the number of AIS cells transmitted on this VC for both end to end and segment.
oamCrc10Errors [Oam Crc 10 Errors] (tAtmOamVclStatsCrc10Err)	long	The value of tAtmOamVclStatsCrc10Err indicates the number of oam cells discarded with CRC 10 Errors.
oamLoopbackCellsRxd [Oam Loopback Cells Rxd] (tAtmOamVclStatsLoopbackCellsRxd)	long	The value of tAtmOamVclStatsLoopbackCellsRxd indicates the number of loopback requests and responses received on this VC for both end to end and segment.
oamLoopbackCellsTxd [Oam Loopback Cells Txd] (tAtmOamVclStatsLoopbackCellsTxd)	long	The value of tAtmOamVclStatsLoopbackCellsTxd indicates the number of loopback requests and responses transmitted on this VC for both end to end and segment.
oamOtherCellsRxd [Oam Other Cells Rxd] (tAtmOamVclStatsOtherCellsRxd)	long	This value of tAtmOamVclStatsOtherCellsRxd indicates the number of oam cells that are received but not identified.
oamRDICellsRxd [Oam RDICells Rxd] (tAtmOamVclStatsRDICellsRxd)	long	The value of tAtmOamVclStatsRDICellsRxd indicates the number of RDI cells received on this VC for both end to end and segment.
oamRDICellsTxd [Oam RDICells Txd] (tAtmOamVclStatsRDICellsTxd)	long	The value of tAtmOamVclStatsRDICellsTxd indicates the number of RDI cells transmitted on this VC for both end to end and segment.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PvcConnectionStats</p> <p>MIB entry name: tAtmVclStatisticsEntry</p> <p>Entry description: An entry in the tAtmVclStatisticsTable containing statistics information applicable to a particular VCL entry in the AToM MIB.</p> <p>Table description (for tAtmVclStatisticsTable): The tAtmVclStatisticsTable is used to gather cell-level statistics on a particular VCL entry in the RFC 2515 AToM MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.PvcConnection</p>		
totalBytesRxd [Total Bytes Rxd] (tAtmVclStatsTotalBytesRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesRxd indicates the number of bytes received by this Vcl. This is the number of tAtmVclStatsTotalCellsRxd multiplied by 53.
totalBytesTxd [Total Bytes Txd] (tAtmVclStatsTotalBytesTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalBytesTxd indicates the number of bytes transmitted by this Vcl. This is the number of tAtmVclStatsTotalCellsTxd multiplied by 53.
totalPacketsRxd [Total Packets Rxd] (tAtmVclStatsTotalCellsRxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsRxd indicates the number of valid ATM cells received by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.
totalPacketsTxd [Total Packets Txd] (tAtmVclStatsTotalCellsTxd)	java. math. BigInteger	The value of tAtmVclStatsTotalCellsTxd indicates the number of valid ATM cells transmitted by the VCL including both CLP=0 and CLP=1 cells. If traffic policing is implemented, then cells are counted prior to the application of traffic policing.

Table 521 atm statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TCStats</p> <p>MIB entry name: atmInterfaceTCEntry</p> <p>Entry description: This list contains TC Sublayer parameters and state variables at the ATM interface and is indexed by the ifIndex value of the ATM interface.</p> <p>Table description (for atmInterfaceTCTable): This table contains ATM interface TC Sublayer parameters and state variables, one entry per ATM interface port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
ocdEvents [Ocd Events] (atmInterfaceOCDEvents)	long	The number of times the Out of Cell Delineation (OCD) events occur. If seven consecutive ATM cells have Header Error Control (HEC) violations, an OCD event occurs. A high number of OCD events may indicate a problem with the TC Sublayer.
<p>TCSubLayerStats</p> <p>MIB entry name: tAtmTCSublayerEntry</p> <p>Entry description: An entry in the tAtmTCSublayerEntry containing additional management information about the Transmission Coverage Sublayer.</p> <p>Table description (for tAtmTCSublayerTable): The tAtmTCSublayerTable contains the Transmission Convergence Sublayer data.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: atm.Interface</p>		
hecErrors [Hec Errors] (tAtmTCSublayerHecErrors)	long	The value of tAtmTCSublayerHecErrors indicates the number of cells with uncorrectable HEC Errors on this interface.
hecErrorsFixed [Hec Errors Fixed] (tAtmTCSublayerHecErrorsFixed)	long	The value of tAtmTCSublayerHecErrorsFixed indicates the number of cells with correctable HEC Errors on this interface.

Table 522 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 522 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
l2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperl2VpnActivePfxs)	long	The value of tBgpPeerNgOperl2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
l2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperl2VpnRecvPfxs)	long	The value of tBgpPeerNgOperl2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.

Table 522 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.

Table 522 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.

Table 522 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.

Table 522 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.

Table 522 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 523 bundle statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BundleStats</p> <p>MIB entry name: tmnxBundleEntry</p> <p>Entry description: Each row entry represents a multilink bundle on a MDA. Entries can be created and deleted via SNMP SET operations using the tmnxBundleRowStatus object. The tmnxBundleBundleID will contain the bundle number encoded in it. The bundle number is unique for a MDA. For each tmnxBundleEntry, there will be a corresponding entry in the tmnxPortTable and the ifTable.</p> <p>Table description (for tmnxBundleTable): The tmnxBundleTable has an entry for a bundle created on the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.Interface</p>		
inputDiscards [Input Discards] (tmnxBundleInputDiscards)	long	tmnxBundleInputDiscards indicates the number of LCP packets that were discarded. This object is only supported for a tmnxBundleType value of mlppp.
upTime [Up Time] (tmnxBundleUpTime)	long	tmnxBundleUpTime indicates the time since the bundle is operationally 'inService'.
<p>MultiClassMlpppStats</p> <p>MIB entry name: tmnxMcMlpppStatsEntry</p> <p>Entry description: Defines an entry in tmnxMcMlpppStatsTable. Entries are created and deleted by the system depending on the number of classes being used by a given MLPPP bundle.</p> <p>Table description (for tmnxMcMlpppStatsTable): Defines the Nokia SROS series Multiclass MLPPP statistics table for providing the capability of retrieving the traffic statistics for the physical queues being used for a class of a multiclass MLPPP bundle to forward the traffic.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.MultiClassMlpppSpecifics</p>		

Table 523 bundle statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcMlpppStatsEgressErrPkt [Mc Mlppp Stats Egress Err Pkt] (tmnxMcMlpppStatsEgressErrPkt)	long	The value of tmnxMcMlpppStatsEgressErrPkt indicates the total number of packets discarded due to segmentation errors on the bundle for the given class on egress.
mcMlpppStatsEgressOct [Mc Mlppp Stats Egress Oct] (tmnxMcMlpppStatsEgressOct)	long	The value of tmnxMcMlpppStatsEgressOct indicates the total number of octets in all packets received on the bundle for the given class on egress before segmentation.
mcMlpppStatsEgressPkt [Mc Mlppp Stats Egress Pkt] (tmnxMcMlpppStatsEgressPkt)	long	The value of tmnxMcMlpppStatsEgressPkt indicates the total number of packets forwarded on the bundle for the given class on egress towards the line.
mcMlpppStatsIngressErrPkt [Mc Mlppp Stats Ingress Err Pkt] (tmnxMcMlpppStatsIngressErrPkt)	long	The value of tmnxMcMlpppStatsIngressErrPkt indicates the total number of packets discarded due to reassembly errors on the bundle for the given class on ingress.
mcMlpppStatsIngressOct [Mc Mlppp Stats Ingress Oct] (tmnxMcMlpppStatsIngressOct)	long	The value of tmnxMcMlpppStatsIngressOct indicates the total number of octets in all packets received on the bundle for the given class on ingress before reassembly.
mcMlpppStatsIngressPkt [Mc Mlppp Stats Ingress Pkt] (tmnxMcMlpppStatsIngressPkt)	long	The value of tmnxMcMlpppStatsIngressPkt indicates the total number of packets forwarded on the bundle for the given class on ingress towards higher layer protocols.

Table 524 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AAGroupCflowdDirExpAddrStats</p> <p>MIB entry name: tmnxBsxCflowdDirExpStatEntry</p> <p>Entry description: Each tmnxBsxCflowdDirExpStatEntry contains the statistics for an Application Assurance Cflowd direct export collector within an Application Assurance group.</p> <p>Table description (for tmnxBsxCflowdDirExpStatTable): The tmnxBsxCflowdDirExpStatTable contains statistics on the Application Assurance Cflowd direct export collectors within an Application Assurance group. Rows in this table are automatically created and destroyed when collectors are created or destroyed in the tmnxBsxCflowdDirExpAddrTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCflowdDirExpAddr</p>		
discontinueTime [Discontinue Time] (tmnxBsxCflowdDirExpStatDscntTime)	long	The value of tmnxBsxCflowdDirExpStatDscntTime indicates discontinuity time. This is the SNMPv2-MIB::sysUpTime (hundredths of a second) when the direct export collector last changed status.
recordSent [Record Sent] (tmnxBsxCflowdDirExpStatRecSent)	java.math.BigInteger	The value of tmnxBsxCflowdDirExpStatRecSent indicates the total number of flow records sent to the remote Cflowd direct export collector.
<p>AAGroupCflowdStats</p> <p>MIB entry name: tmnxBsxCflowdStatusEntry</p> <p>Entry description: Each tmnxBsxCflowdStatusEntry contains the Cflowd status information for a particular group, Cflowd export type and ISA-AA MDA. An index with a valid tmnxBsxIsaAaGroupIndex and a valid tmnxBsxCflowdExpType, tmnxChassisIndex set to one, and a zero value for each of the tmnxBsxCardSlotNum/tmnxMDASlotNum indices will return the summarized per group status.</p> <p>Table description (for tmnxBsxCflowdStatusTable): The tmnxBsxCflowdStatusTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Cflowd status information per group and Cflowd export type for an ISA-AA MDA uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.AAGroupCflowd</p>		

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeFlowCurrent [Active Flow Current] (tmnxBsxCflowdStatusActFlowsCurr)	long	The value of tmnxBsxCflowdStatusActFlowsCurr indicates the number of active flows currently marked for export using Cflowd in the ISA-AA MDA(s).
activeRateCurrent [Active Rate Current] (tmnxBsxCflowdStatusRecRateCurr)	long	The value of tmnxBsxCflowdStatusRecRateCurr indicates the number of flow records per second being exported using Cflowd from the ISA-AA MDA(s). The calculation is based on the number of flow records inserted into Cflowd packets within the last 10 seconds.
discontinueTime [Discontinue Time] (tmnxBsxCflowdStatusDiscontTime)	long	The value of tmnxBsxCflowdStatusDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the ISA-AA MDA within the group has last changed status.
expType [Exp Type] (tmnxBsxCflowdExpType)	int	The value of tmnxBsxCflowdExpType specifies the type of the Application Assurance statistic exported using Cflowd.
flowExported [Flow Exported] (tmnxBsxCflowdStatusFlowsNoRes)	long	The value of tmnxBsxCflowdStatusFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflows resources in the ISA-AA MDA(s).
hcFlowExported [Hc Flow Exported] (tmnxBsxCflowdStatusHCFlowsNoRes)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflows resources in the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusFlowsNoRes.
hcPacketsSent [Hc Packets Sent] (tmnxBsxCflowdStatusHCPktsSent)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCPktsSent indicates the total number of Cflowd packets sent from the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusPktsSent.
hcRecDropped [Hc Rec Dropped] (tmnxBsxCflowdStatusHCRecDropped)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCRecDropped indicates the total number of flow records dropped in the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusRecDropped.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcRecReported [Hc Rec Reported] (tmnxBsxCflowdStatusHCRecReported)	java. math. BigInteger	The value of tmnxBsxCflowdStatusHCRecReported indicates the total number of flow records reported from the ISA-AA MDA(s). This object is the 64-bit version of tmnxBsxCflowdStatusRecReported.
packetRateCurrent [Packet Rate Current] (tmnxBsxCflowdStatusPktRateCurr)	long	The value of tmnxBsxCflowdStatusPktRateCurr indicates the number of Cflowd packets per second being exported from the ISA-AA MDA(s). The calculation is based on the number of Cflowd packets generated within the last 10 seconds.
packetsSent [Packets Sent] (tmnxBsxCflowdStatusPktsSent)	long	The value of tmnxBsxCflowdStatusPktsSent indicates the total number of Cflowd packets sent from the ISA-AA MDA(s).
recDropped [Rec Dropped] (tmnxBsxCflowdStatusRecDropped)	long	The value of tmnxBsxCflowdStatusRecDropped indicates the total number of flow records dropped in the ISA-AA MDA(s).
recReported [Rec Reported] (tmnxBsxCflowdStatusRecReported)	long	The value of tmnxBsxCflowdStatusRecReported indicates the total number of flow records reported from the ISA-AA MDA(s).
AAGroupCollectorStats MIB entry name: tmnxBsxCflowdCollStatEntry Entry description: Each tmnxBsxCflowdCollStatEntry contains the statistics for an Application Assurance Cflowd collector within an Application Assurance group. Table description (for tmnxBsxCflowdCollStatTable): The tmnxBsxCflowdCollStatTable contains statistics on the Application Assurance Cflowd collectors within an Application Assurance group. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.AAGroupCollector		
discontinueTime [Discontinue Time] (tmnxBsxCflowdCollStatDiscontTime)	long	The value of tmnxBsxCflowdCollStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the Cflowd collector has last changed status.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcRecordSent [Hc Record Sent] (tmnxBsxCflowdCollStatHCRecSent)	java. math. BigInteger	The value of tmnxBsxCflowdCollStatHCRecSent indicates the total number of flow records sent to the remote Cflowd collector. This object is the 64-bit version of tmnxBsxCflowdCollStatRecSent.
recordSent [Record Sent] (tmnxBsxCflowdCollStatRecSent)	long	The value of tmnxBsxCflowdCollStatRecSent indicates the total number of flow records sent to the remote Cflowd collector.
CflowdGeneralStats MIB entry name: tmnxCflowdGeneralObjs Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCflowd		
activeFlows [Active Flows] (tmnxCflowdActiveFlows)	long	The value of tmnxCflowdActiveFlows is a gauge that indicates the current number of active flows being collected.
droppedFlows [Dropped Flows] (tmnxCflowdGenDroppedFlows)	long	The value of tmnxCflowdGenDroppedFlows indicates the number of times a flow was dropped. Data from dropped flows are not reported to any collector.
genAggrFlowsCreated [Gen Aggr Flows Created] (tmnxCflowdGenAggrFlowsCreated)	long	The value of tmnxCflowdGenAggrFlowsCreated indicates the number of aggregate flows created by system.
genAggrFlowsFlushed [Gen Aggr Flows Flushed] (tmnxCflowdGenAggrFlowsFlushed)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of aggregate flows flushed.
genAggrFlowsMatched [Gen Aggr Flows Matched] (tmnxCflowdGenAggrFlowsMatched)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of packets matched to an existing aggregate flow.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
genRawFlowsCreated [Gen Raw Flows Created] (tmnxCflowdGenRawFlowsCreated)	long	The value of tmnxCflowdGenRawFlowsCreated indicates the number of raw flows created by system.
genRawFlowsFlushed [Gen Raw Flows Flushed] (tmnxCflowdGenRawFlowsFlushed)	long	The value of tmnxCflowdGenRawFlowsFlushed indicates the number of raw flows flushed.
genRawFlowsMatched [Gen Raw Flows Matched] (tmnxCflowdGenRawFlowsMatched)	long	The value of tmnxCflowdGenRawFlowsMatched indicates the number of raw packets matched to an existing raw flow.
overflowEvents [Overflow Events] (tmnxCflowdGenOverflowEvents)	long	The value of tmnxCflowdGenOverflowEvents indicates the number of times the flow cache has entered the overflow state.
totalPktsDropped [Total Pkts Dropped] (tmnxCflowdTotalPktsDropped)	long	The value of tmnxCflowdTotalPktsDropped indicates the total number of packets dropped for Cflowd.
totalPktsRcvd [Total Pkts Rcvd] (tmnxCflowdTotalPktsRcvd)	long	The value of tmnxCflowdTotalPktsRcvd indicates the total number of packets received for Cflowd.
CflowdPerfExpStats MIB entry name: tmnxBsxCflowdExpStatEntry Entry description: Each tmnxBsxCflowdExpStatEntry contains the statistics on the Cflowd export of Application Assurance per-flow volume, performance, or comprehensive records for an Application Assurance group and partition. Table description (for tmnxBsxCflowdExpStatTable): The tmnxBsxCflowdExpStatTable contains statistics on the Cflowd export of Application Assurance per-flow volume, performance, or comprehensive records within an Application Assurance group and partition. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.CflowdPerfExp		

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discontinueTime [Discontinue Time] (tmnxBsxCflowdExpStatDiscontTime)	long	The value of tmnxBsxCflowdExpStatDiscontTime indicates the SNMPv2-MIB::sysUpTime (hundredths of a second) when the export of cflowd records has last changed status.
expType [Exp Type] (tmnxBsxCflowdExpType)	int	The value of tmnxBsxCflowdExpType specifies the type of the Application Assurance statistic exported using Cflowd.
flowExported [Flow Exported] (tmnxBsxCflowdExpStatFlowsNoRes)	long	The value of tmnxBsxCflowdExpStatFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflowd resources.
hcFlowExported [Hc Flow Exported] (tmnxBsxCflowdExpStatHCFlowsNoRes)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCFlowsNoRes indicates the total number of flows that were selected for export but failed to obtain Cflowd resources. This object is the 64-bit version of tmnxBsxCflowdExpStatFlowsNoRes.
hcRecDropped [Hc Rec Dropped] (tmnxBsxCflowdExpStatHCRecDropped)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCRecDropped indicates the total number of Cflowd flow records dropped. This object is the 64-bit version of tmnxBsxCflowdExpStatRecDropped.
hcRecReport [Hc Rec Report] (tmnxBsxCflowdExpStatHCRecReport)	java. math. BigInteger	The value of tmnxBsxCflowdExpStatHCRecReport indicates the total number of flow records reported. This object is the 64-bit version of tmnxBsxCflowdExpStatRecReport.
recDropped [Rec Dropped] (tmnxBsxCflowdExpStatRecDropped)	long	The value of tmnxBsxCflowdExpStatRecDropped indicates the total number of flow records dropped.
recReport [Rec Report] (tmnxBsxCflowdExpStatRecReport)	long	The value of tmnxBsxCflowdExpStatRecReport indicates the total number of flow records reported.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV5Stats</p> <p>MIB entry name: tmnxCFHostCollV5StatsEntry</p> <p>Entry description: The tmnxCFHostCollV5StatsEntry contains the statistics information pertaining to the specified remote collector host.</p> <p>Table description (for tmnxCFHostCollV5StatsTable): The tmnxCFHostCollV5StatsTable consists of the version 5 statistics for a particular remote collector host. This table replaces tmnxCflowdV5StatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnxCFHostCollV5ErrorPackets)	long	The value of tmnxCFHostCollV5ErrorPackets indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnxCFHostCollV5OpenPackets)	long	The value of tmnxCFHostCollV5OpenPackets indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnxCFHostCollV5SentPackets)	long	The value of tmnxCFHostCollV5SentPackets indicates the number of packets transmitted for the specified remote collector host.
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnxCFHostCollAggrStatsEntry</p> <p>Entry description: The tmnxCFHostCollAggrStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnxCFHostCollAggrStatsTable): The tmnxCFHostCollAggrStatsTable consists of the overall statistics for a remote collector host based on aggregation type. This table replaces tmnxCflowdAggregationStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggPacketErrors [Agg Packet Errors] (tmnxCFHostCollAggrErrorPackets)	long	The value of tmnxCFHostCollAggrErrorPackets indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCFHostCollAggrOpenPackets)	long	The value of tmnxCFHostCollAggrOpenPackets indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCFHostCollAggrSentPackets)	long	The value of tmnxCFHostCollAggrSentPackets indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCFHostCollAggrIndex)	int	The value of tmnxCFHostCollAggrIndex specifies the row in the tmnxCFHostCollAggrStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCFHostCollAggrStatus)	int	The value of tmnxCFHostCollAggrStatus indicates whether or not the aggregation is in use in the remote collector host entry.
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.

Table 524 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 525 dhcp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LocalDhcp6ServerPoolStats</p> <p>MIB entry name: tmnxDhcpsPoolStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpsPoolStats6Table represents additional columns of operational data for a pool that belongs to the specified DHCPv6 server instance. The value of these columns is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.</p> <p>Table description (for tmnxDhcpsPoolStats6Table): The tmnxDhcpsPoolStats6Table has an entry for each pool that belongs to the specified DHCPv6 server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Address6Pool</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpsPoolStats6Advertise)	long	The value of tmnxDhcpsPoolStats6Advertise indicates the number of local leases in this pool that are in state 'advertised'.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpsPoolStats6HasExt)	boolean	The value of tmnxDhcpsPoolStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.
freeBlocks [Free Blocks] (tmnxDhcpsPoolStats6FreeBlk)	java.math.BigInteger	The value of tmnxDhcpsPoolStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpsPoolStats6AdvertP)	long	The value of tmnxDhcpsPoolStats6AdvertP indicates the highest value of tmnxDhcpsPoolStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPctP)	int	The value of tmnxDhcpsPoolStats6UsedPctP indicates the highest value of tmnxDhcpsPoolStats6UsedPct since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValRemoteAdvertisedLeases [Highest Val Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertP)	long	The value of tmnxDhcpsPoolStats6FoAdvertP indicates the highest value of tmnxDhcpsPoolStats6FoAdvertise since the last reset of the extended statistics.
highestValRemotePctBlocksInUse [Highest Val Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPctP)	int	The value of tmnxDhcpsPoolStats6FoUsedPctP indicates the highest value of tmnxDhcpsPoolStats6FoUsedPct since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpsPoolStats6FoStableP)	long	The value of tmnxDhcpsPoolStats6FoStableP indicates the highest value of tmnxDhcpsPoolStats6FoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpsPoolStats6StableP)	long	The value of tmnxDhcpsPoolStats6StableP indicates the highest value of tmnxDhcpsPoolStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpsPoolStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FreeBlk since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpsPoolStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6UsedBlk since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePctP)	int	The value of tmnxDhcpsPoolStats6FreePctP indicates the lowest value of tmnxDhcpsPoolStats6FreePct since the last reset of the extended statistics.
lowestValRemoteFreeBlocks [Lowest Val Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoFreeBlk since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValRemotePctBlocksUnused [Lowest Val Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePctP)	int	The value of tmnxDhcpsPoolStats6FoFreePctP indicates the lowest value of tmnxDhcpsPoolStats6FoFreePct since the last reset of the extended statistics.
lowestValRemoteUnusedBlocks [Lowest Val Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlkP)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlkP indicates the lowest value of tmnxDhcpsPoolStats6FoUsedBlk since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpsPoolStats6UsedPct)	int	The value of tmnxDhcpsPoolStats6UsedPct indicates the percentage of /64 blocks currently in use.
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpsPoolStats6FreePct)	int	The value of tmnxDhcpsPoolStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpsPoolStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6ProvBlk indicates the number of provisioned /64 blocks.
remoteAdvertisedLeases [Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertise)	long	The value of tmnxDhcpsPoolStats6FoAdvertise indicates the number of remote leases in this pool that are in state 'advertised'.
remoteFreeBlocks [Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoFreeBlk indicates the remote number of provisioned but unused /64 blocks.
remotePctBlocksInUse [Remote Pct Blocks In Use] (tmnxDhcpsPoolStats6FoUsedPct)	int	The value of tmnxDhcpsPoolStats6FoUsedPct indicates the percentage of remote /64 blocks currently in use.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remotePctBlocksUnused [Remote Pct Blocks Unused] (tmnxDhcpsPoolStats6FoFreePct)	int	The value of tmnxDhcpsPoolStats6FoFreePct indicates the percentage of remote /64 blocks currently unused.
remoteProvisionedBlocks [Remote Provisioned Blocks] (tmnxDhcpsPoolStats6FoProvBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoProvBlk indicates the remote number of provisioned /64 blocks.
remoteStableLeases [Remote Stable Leases] (tmnxDhcpsPoolStats6FoStable)	long	The value of tmnxDhcpsPoolStats6FoStable indicates the number of remote leases in this pool that are in state 'stable'.
remoteUnusedBlocks [Remote Unused Blocks] (tmnxDhcpsPoolStats6FoUsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6FoUsedBlk indicates the remote number of provisioned but unused /64 blocks.
slaacPrefixInternalRequests [Slaac Prefix Internal Requests] (tmnxDhcpsPoolStats6IntNoPfxSlaa)	long	The value of tmnxDhcpsPoolStats6IntNoPfxSlaa indicates the number of times the following event occurred: an internal request for a SLAAC prefix (IA_PD (Identity Association for Prefix Delegation)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
stableLeases [Stable Leases] (tmnxDhcpsPoolStats6Stable)	long	The value of tmnxDhcpsPoolStats6Stable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpsPoolStats6ExtResetT)	long	The value of tmnxDhcpsPoolStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpsPoolStats6AdvertPT)	long	The value of tmnxDhcpsPoolStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6AdvertPT.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpsPoolStats6FreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FreeBlkP.
timeSinceLastRemoteAdvertisedLeases [Time Since Last Remote Advertised Leases] (tmnxDhcpsPoolStats6FoAdvertPT)	long	The value of tmnxDhcpsPoolStats6FoAdvertPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoAdvertP.
timeSinceLastRemoteFreeBlocks [Time Since Last Remote Free Blocks] (tmnxDhcpsPoolStats6FoFreeBlkPT)	long	The value of tmnxDhcpsPoolStats6FoFreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoFreeBlkP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpsPoolStats6FoStablePT)	long	The value of tmnxDhcpsPoolStats6FoStablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6FoStableP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpsPoolStats6StablePT)	long	The value of tmnxDhcpsPoolStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpsPoolStats6StableP.
unusedBlocks [Unused Blocks] (tmnxDhcpsPoolStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpsPoolStats6UsedBlk indicates the number of provisioned but unused /64 blocks.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wanAddressInternalRequests [Wan Address Internal Requests] (tmnxDhcpSvrSubnetStats6IntNoPfxWan)	long	The value of tmnxDhcpSvrSubnetStats6IntNoPfxWan indicates the number of times the following event occurred: an internal request for a WAN address (IA_NA (Identity association for non-temporary addresses)) fails because the pool does not have a subnet available where the value of tmnxDhcpSvrSubnetPrefixType is equal to 'wan-host'. An internal request is triggered by some packet received by this system and translated into an internal API (Application Program Interface) request to the local DHCP server.
<p>LocalDhcp6ServerPrefixStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStats6Entry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStats6Table represents additional columns of operational data for a subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStats6Table): The tmnxDhcpSvrSubnetStats6Table has an entry for each subnet that belongs to the specified DHCPv6 server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Dhcp6AddressPrefix</p>		
advertisedLeases [Advertised Leases] (tmnxDhcpSvrSubnetStats6Advertise)	long	The value of tmnxDhcpSvrSubnetStats6Advertise indicates the number of leases in this subnet that are in state 'advertised'.
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStats6Declined)	long	The value of tmnxDhcpSvrSubnetStats6Declined indicates the number of addresses in this subnet that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrSubnetStats6HasExt)	boolean	The value of tmnxDhcpSvrSubnetStats6HasExt indicates whether the extended statistics collection for this prefix is enabled. These extended statistics are only collected when the length of the configured subnet is between /32 en /64.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
freeBlocks [Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlk indicates the number of provisioned but unused /64 blocks.
highestValAdvertisedLeases [Highest Val Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertP)	long	The value of tmnxDhcpSvrSubnetStats6AdvertP indicates the highest value of tmnxDhcpSvrSubnetStats6Advertise since the last reset of the extended statistics.
highestValPctBlocksInUse [Highest Val Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctP)	int	The value of tmnxDhcpSvrSubnetStats6UsedPctP indicates the highest value of tmnxDhcpSvrSubnetStats6UsedPct since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStats6StableP)	long	The value of tmnxDhcpSvrSubnetStats6StableP indicates the highest value of tmnxDhcpSvrSubnetStats6Stable since the last reset of the extended statistics.
lowestValOfFreeBlocks [Lowest Val Of Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6FreeBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValOfUnusedBlocks [Lowest Val Of Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkP)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlkP indicates the lowest value of unused /64 blocks since the last reset of the extended statistics.
lowestValPctBlocksUnused [Lowest Val Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctP)	int	The value of tmnxDhcpSvrSubnetStats6FreePctP indicates the lowest value of tmnxDhcpSvrSubnetStats6FreePct since the last reset of the extended statistics.
pctBlocksInUse [Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPct)	int	The value of tmnxDhcpSvrSubnetStats6UsedPct indicates the percentage of /64 blocks currently in use.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pctBlocksUnused [Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePct)	int	The value of tmnxDhcpSvrSubnetStats6FreePct indicates the percentage of /64 blocks currently unused.
provisionedBlocks [Provisioned Blocks] (tmnxDhcpSvrSubnetStats6ProvBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6ProvBlk indicates the number of provisioned /64 blocks.
reconfigurePendingLeases [Reconfigure Pending Leases] (tmnxDhcpSvrSubnetStats6RCPending)	long	The value of tmnxDhcpSvrSubnetStats6RCPending indicates the number of leases in this subnet that are in state 'reconfigurePending'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStats6RmPending)	long	The value of tmnxDhcpSvrSubnetStats6RmPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStats6Stable)	long	The value of tmnxDhcpSvrSubnetStats6Stable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStats6ExtResetT)	long	The value of tmnxDhcpSvrSubnetStats6ExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastAdvertisedLeases [Time Since Last Advertised Leases] (tmnxDhcpSvrSubnetStats6AdvertPT)	long	The value of tmnxDhcpSvrSubnetStats6AdvertPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6AdvertP.
timeSinceLastFreeBlocks [Time Since Last Free Blocks] (tmnxDhcpSvrSubnetStats6FreeBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6FreeBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreeBlkP.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctBlocksInUse [Time Since Last Pct Blocks In Use] (tmnxDhcpSvrSubnetStats6UsedPctPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedPctP.
timeSinceLastPctBlocksUnused [Time Since Last Pct Blocks Unused] (tmnxDhcpSvrSubnetStats6FreePctPT)	long	The value of tmnxDhcpSvrSubnetStats6FreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6FreePctP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStats6StablePT)	long	The value of tmnxDhcpSvrSubnetStats6StablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6StableP.
timeSinceLastUnusedBlocks [Time Since Last Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlkPT)	long	The value of tmnxDhcpSvrSubnetStats6UsedBlkPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStats6UsedBlkP.
unusedBlocks [Unused Blocks] (tmnxDhcpSvrSubnetStats6UsedBlk)	java. math. BigInteger	The value of tmnxDhcpSvrSubnetStats6UsedBlk indicates the number of provisioned but unused /64 blocks.
<p>LocalDhcp6ServerStats MIB entry name: tmnxDhcpServerStats6Entry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStats6Table): The tmnxDhcpServerStats6Table contains basic statistics about the DHCPv6 server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcp6Server</p>		
clientIgnoredOffers [Client Ignored Offers] (tmnxDhcpSvrStats6OffersIgnore)	long	The value of tmnxDhcpSvrStats6OffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dhcpSvrStats6DropAudit [Dhcp Svr Stats 6 Drop Audit] (tmnxDhcpSvrStats6DropAudit)	java. math. BigInteger	The value of tmnxDhcpSvrStats6DropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.
droppedBadPacket [Dropped Bad Packet] (tmnxDhcpSvrStats6DropBadPackets)	long	The value of tmnxDhcpSvrStats6DropBadPackets indicates the number of DHCP packets received which were corrupt.
droppedDestinedToOther [Dropped Destined To Other] (tmnxDhcpSvrStats6DropDestOther)	long	The value of tmnxDhcpSvrStats6DropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
droppedGenericError [Dropped Generic Error] (tmnxDhcpSvrStats6DropGenError)	long	The value of tmnxDhcpSvrStats6DropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
droppedInternalConflicts [Dropped Internal Conflicts] (tmnxDhcpSvrStats6DropIntWConflict)	long	The value of tmnxDhcpSvrStats6DropIntWConflict indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.
droppedInternalFailover [Dropped Internal Failover] (tmnxDhcpSvrStats6DropIntWFO)	long	The value of tmnxDhcpSvrStats6DropIntWFO indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.
droppedInternalIntIdMap [Dropped Internal Int Id Map] (tmnxDhcpSvrStats6DropIntWIfldMap)	long	The value of tmnxDhcpSvrStats6DropIntWFO indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because interface ID mapping is enabled for the server instance.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInternalUserIdent [Dropped Internal User Ident] (tmnxDhcpSvrStats6DropIntWUserId)	long	The value of tmnxDhcpSvrStats6DropIntWfo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because tmnxDhcpServerCfgUserIdent is not set to duid (2) for the server instance.
droppedInvalidType [Dropped Invalid Type] (tmnxDhcpSvrStats6DropInvlTypes)	long	The value of tmnxDhcpSvrStats6DropInvlTypes indicates the number of DHCP packets received which had an invalid message type.
droppedLeaseNotReady [Dropped Lease Not Ready] (tmnxDhcpSvrStats6DropLseNotReady)	long	The value of tmnxDhcpSvrStats6DropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
droppedMaxLeasesReached [Dropped Max Leases Reached] (tmnxDhcpSvrStats6DropMaxReached)	long	The value of tmnxDhcpSvrStats6DropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
droppedNotServingPool [Dropped Not Serving Pool] (tmnxDhcpSvrStats6DropNoSrvngPool)	long	The value of tmnxDhcpSvrStats6DropNoSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.
droppedOverload [Dropped Overload] (tmnxDhcpSvrStats6DropOverload)	long	The value of tmnxDhcpSvrStats6DropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
droppedPersistenceOverload [Dropped Persistence Overload] (tmnxDhcpSvrStats6DropPerOverload)	long	The value of tmnxDhcpSvrStats6DropPerOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedServerShutdown [Dropped Server Shutdown] (tmnxDhcpSvrStats6DropSvrDown)	long	The value of tmnxDhcpSvrStats6DropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
duplicateRequestDropped [Duplicate Request Dropped] (tmnxDhcpSvrStats6DropDuplDiffRly)	long	The value of tmnxDhcpSvrStats6DropDuplDiffRly indicates the number of DHCP requests dropped by the server instance because they were received from a different Relay IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
leasesTimedOut [Leases Timed Out] (tmnxDhcpSvrStats6LeasesExpired)	long	The value of tmnxDhcpSvrStats6LeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
receivedConfirmPackets [Received Confirm Packets] (tmnxDhcpSvrStats6RxConfirms)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxConfirms indicates the number of confirm messages received by the DHCP server instance.
receivedDeclinePackets [Received Decline Packets] (tmnxDhcpSvrStats6RxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxDeclines indicates the number of decline messages received by the DHCP server instance.
receivedInformationRequestPackets [Received Information Request Packets] (tmnxDhcpSvrStats6RxInfRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxInfRequests indicates the number of information-request messages received by the DHCP server instance.
receivedIntIpoeWanRequests [Received Int Ipoe Wan Requests] (tmnxDhcpSvrStats6RxIntReqIpoeWan)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReqIpoeWan indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedIntPppSlaacRequests [Received Int Ppp Slaac Requests] (tmnxDhcpSvrStats6RxIntPppSlaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntPppSlaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for PPP SLAAC (stateless autoconfiguration).
receivedInternalReleases [Received Internal Releases] (tmnxDhcpSvrStats6RxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.
receivedIpoEslaacRequests [Received IpoE Slaac Requests] (tmnxDhcpSvrStats6RxIntIpoEslaac)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxIntIpoEslaac indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure for IPoE SLAAC (stateless autoconfiguration).
receivedRebindPackets [Received Rebind Packets] (tmnxDhcpSvrStats6RxRebinds)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRebinds indicates the number of rebind messages received by the DHCP server instance.
receivedReleasePackets [Received Release Packets] (tmnxDhcpSvrStats6RxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxReleases indicates the number of release messages received by the DHCP server instance.
receivedRenewPackets [Received Renew Packets] (tmnxDhcpSvrStats6RxRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxRenews indicates the number of renew messages received by the DHCP server instance.
receivedRequestPackets [Received Request Packets] (tmnxDhcpSvrStats6RxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of request messages received by the DHCP server instance.
receivedSolicitPackets [Received Solicit Packets] (tmnxDhcpSvrStats6RxSolicits)	java. math. BigInteger	The value of tmnxDhcpSvrStats6RxSolicits indicates the number of solicit messages received by the DHCP server instance.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sentAdvertisePackets [Sent Advertise Packets] (tmnxDhcpSvrStats6TxAdvertises)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxAdvertises indicates the number of advertise messages sent by the DHCP server instance.
sentReconfigurePackets [Sent Reconfigure Packets] (tmnxDhcpSvrStats6TxReconfigures)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReconfigures indicates the number of reconfigure messages sent by the DHCP server instance.
sentReplyPackets [Sent Reply Packets] (tmnxDhcpSvrStats6TxReplies)	java. math. BigInteger	The value of tmnxDhcpSvrStats6TxReplies indicates the number of reply messages sent by the DHCP server instance.
<p>LocalDhcpPoolFailoverStats</p> <p>MIB entry name: tmnxDhcpsPoolFoStatsEntry</p> <p>Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Address Pool instance. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxDhcpsPoolFoStatsTable): The tmnxDhcpsPoolFoStatsTable contains statistics about the DHCP Address Pool failover facility.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.LocalDhcpPoolFailover</p>		
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsPoolFoStatsAddrConflict)	long	The value of tmnxDhcpsPoolFoStatsAddrConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsPoolFoStatsDropInvPkts)	long	The value of tmnxDhcpsPoolFoStatsDropInvPkts indicates how many BNDUPD packets were dropped because the packet was malformed.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsPoolFoStatsHostConflict)	long	The value of tmnxDhcpsPoolFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsPoolFoStatsExpired)	long	The value of tmnxDhcpsPoolFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsPoolFoStatsLeaseNFound)	long	The value of tmnxDhcpsPoolFoStatsLeaseNFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsPoolFoStatsMaxReached)	long	The value of tmnxDhcpsPoolFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsPoolFoStatsPeerConflict)	long	The value of tmnxDhcpsPoolFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP Address Pool instance.
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsPoolFoStatsPersistCong)	long	The value of tmnxDhcpsPoolFoStatsPersistCong indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP Address Pool instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsPoolFoStatsRangeNFound)	long	The value of tmnxDhcpsPoolFoStatsRangeNFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
shutdownPkts [Shutdown Pkts] (tmnxDhcpsPoolFoStatsFoShutdown)	long	The value of tmnxDhcpsPoolFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpsPoolFoStatsSubnetNFound)	long	The value of tmnxDhcpsPoolFoStatsSubnetNFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.
<p>LocalDhcpServerFailoverStats MIB entry name: tmnxDhcpsFoStatsEntry Entry description: Each row entry contains statistics about the failover facility of a specific DHCP Server instance. Rows are created or removed automatically by the system. Table description (for tmnxDhcpsFoStatsTable): The tmnxDhcpsFoStatsTable contains statistics about the DHCP failover facility. The tmnxDhcpsFoStatsTable has an entry for each DHCP server instance. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServerFailover</p>		
addressConflictPkts [Address Conflict Pkts] (tmnxDhcpsFoStatsAddressConflict)	long	The value of tmnxDhcpsFoStatsAddressConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased another address to this host.
dropInvalidPkts [Drop Invalid Pkts] (tmnxDhcpsFoStatsDropInvalidPkts)	long	The value of tmnxDhcpsFoStatsDropInvalidPkts indicates how many BNDUPD packets were dropped because the packet was malformed.
hostConflictPkts [Host Conflict Pkts] (tmnxDhcpsFoStatsHostConflict)	long	The value of tmnxDhcpsFoStatsHostConflict indicates how many BNDUPD 'add' packets were dropped because this DHCP server instance has already leased this address to another host.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaseExpiredPkts [Lease Expired Pkts] (tmnxDhcpsFoStatsExpired)	long	The value of tmnxDhcpsFoStatsExpired indicates how many BNDUPD 'add' packets were dropped because the corresponding lease has expired. This may indicate that the clock of the failover peer is not in sync with the clock of this system.
leaseNotFoundPkts [Lease Not Found Pkts] (tmnxDhcpsFoStatsLeaseNotFound)	long	The value of tmnxDhcpsFoStatsLeaseNotFound indicates how many Binding Database Update (BNDUPD) 'remove' packets were dropped because the corresponding lease could not be found.
maxLeasePkts [Max Lease Pkts] (tmnxDhcpsFoStatsMaxReached)	long	The value of tmnxDhcpsFoStatsMaxReached indicates how many BNDUPD 'add' packets were dropped because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
peerConflictPkts [Peer Conflict Pkts] (tmnxDhcpsFoStatsPeerConflict)	long	The value of tmnxDhcpsFoStatsPeerConflict indicates how many BNDUPD 'add' packets were dropped because the failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance.
persistCongestPkts [Persist Congest Pkts] (tmnxDhcpsFoStatsPersistCongest)	long	The value of tmnxDhcpsFoStatsPersistCongest indicates how many BNDUPD packets were dropped because of persistence congestion on this DHCP server instance.
rangeNotFoundPkts [Range Not Found Pkts] (tmnxDhcpsFoStatsRangeNotFound)	long	The value of tmnxDhcpsFoStatsSubnetNotFound indicates how many BNDUPD 'add' packets were dropped because a valid include range could not be found for the lease.
shutdownPkts [Shutdown Pkts] (tmnxDhcpsFoStatsFoShutdown)	long	The value of tmnxDhcpsFoStatsFoShutdown indicates how many BNDUPD packets were dropped because the failover state if the DHCP Server instance is 'shutdown'.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subnetNotFoundPkts [Subnet Not Found Pkts] (tmnxDhcpSfoStatsSubnetNotFound)	long	The value of tmnxDhcpSfoStatsSubnetNotFound indicates how many BNDUPD 'add' packets were dropped because a valid subnet could not be found for the lease.
<p>LocalDhcpServerPoolStats</p> <p>MIB entry name: tmnxDhcpSvrPoolStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrPoolStatsTable represents additional columns of operational data for a pool that belongs to the specified DHCP server instance.</p> <p>Table description (for tmnxDhcpSvrPoolStatsTable): The tmnxDhcpSvrPoolStatsTable has an entry for each pool that belongs to the specified DHCP server instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.AddressPool</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrPoolStatsDeclined)	long	The value of tmnxDhcpSvrPoolStatsDeclined indicates the number of addresses in this pool that are declined.
extendedStatisticsEnabled [Extended Statistics Enabled] (tmnxDhcpSvrPoolStatsHasExt)	boolean	The value of tmnxDhcpSvrPoolStatsHasExt indicates whether the extended statistics collection for this pool is enabled.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFRPending)	long	The value of tmnxDhcpSvrPoolStatsFRPending indicates the number of leases in this pool that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrPoolStatsFree)	long	The value of tmnxDhcpSvrPoolStatsFree indicates the number of addresses in this pool that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrPoolStatsOfferP)	long	The value of tmnxDhcpSvrPoolStatsOfferP indicates the highest value of tmnxDhcpSvrPoolStatsOffered since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctP)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrPoolStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctP)	int	The value of tmnxDhcpSvrPoolStatsUsedPctP indicates the highest value of tmnxDhcpSvrPoolStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferP)	long	The value of tmnxDhcpSvrPoolStatsFoOfferP indicates the highest value of tmnxDhcpSvrPoolStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStableP)	long	The value of tmnxDhcpSvrPoolStatsFoStableP indicates the highest value of tmnxDhcpSvrPoolStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrPoolStatsStableP)	long	The value of tmnxDhcpSvrPoolStatsStableP indicates the highest value of tmnxDhcpSvrPoolStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrPoolStatsProv)	long	The value of tmnxDhcpSvrPoolStatsProv indicates the total number of local addresses in this pool that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctP)	int	The value of tmnxDhcpSvrPoolStatsFreePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctP)	int	The value of tmnxDhcpSvrPoolStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrPoolStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedP)	long	The value of tmnxDhcpSvrPoolStatsFoUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrPoolStatsUsedP)	long	The value of tmnxDhcpSvrPoolStatsUsedP indicates the lowest value of unused subnets since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrPoolStatsOffered)	long	The value of tmnxDhcpSvrPoolStatsOffered indicates the number of leases in this pool that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePct)	int	The value of tmnxDhcpSvrPoolStatsFreePct indicates the percentage of subnets currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePct)	int	The value of tmnxDhcpSvrPoolStatsFoFrePct indicates the percentage of remote subnets currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPct)	int	The value of tmnxDhcpSvrPoolStatsFoUsdPct indicates the percentage of remote subnets currently in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPct)	int	The value of tmnxDhcpSvrPoolStatsUsedPct indicates the percentage of subnets currently in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrPoolStatsFreeP)	long	The value of tmnxDhcpSvrPoolStatsFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreeP)	long	The value of tmnxDhcpSvrPoolStatsFoFreeP indicates the lowest value of unused subnets since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrPoolStatsFoDeclined)	long	The value of tmnxDhcpSvrPoolStatsFoDeclined indicates the number of remote addresses in this pool that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrPoolStatsFoFRPend)	long	The value of tmnxDhcpSvrPoolStatsFoFRPend indicates the number of remote leases in this pool that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFree)	long	The value of tmnxDhcpSvrPoolStatsFoFree indicates the number of remote addresses in this pool that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOffered)	long	The value of tmnxDhcpSvrPoolStatsFoOffered indicates the number of remote leases in this pool that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrPoolStatsFoProv)	long	The value of tmnxDhcpSvrPoolStatsFoProv indicates the total number of remote addresses in this pool that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrPoolStatsFoRemPend)	long	The value of tmnxDhcpSvrPoolStatsFoRemPend indicates the number of remote leases in this pool that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStable)	long	The value of tmnxDhcpSvrPoolStatsFoStable indicates the number of remote leases in this pool that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrPoolStatsRemPending)	long	The value of tmnxDhcpSvrPoolStatsRemPending indicates the number of leases in this pool that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrPoolStatsStable)	long	The value of tmnxDhcpSvrPoolStatsStable indicates the number of leases in this pool that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrPoolStatsExtResetT)	long	The value of tmnxDhcpSvrPoolStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrPoolStatsFreePT)	long	The value of tmnxDhcpSvrPoolStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrPoolStatsOfferPT)	long	The value of tmnxDhcpSvrPoolStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrPoolStatsFreePctPT)	long	The value of tmnxDhcpSvrPoolStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFrePctPT)	long	The value of tmnxDhcpSvrPoolStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFrePctP.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrPoolStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrPoolStatsUsedPctPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrPoolStatsFoFreePT)	long	The value of tmnxDhcpSvrPoolStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrPoolStatsFoOfferPT)	long	The value of tmnxDhcpSvrPoolStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrPoolStatsFoStablePT)	long	The value of tmnxDhcpSvrPoolStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrPoolStatsFoUsedPT)	long	The value of tmnxDhcpSvrPoolStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsFoUsedP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrPoolStatsUsedPT)	long	The value of tmnxDhcpSvrPoolStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsUsedP.
timeSinceStableLeases [Time Since Stable Leases] (tmnxDhcpSvrPoolStatsStablePT)	long	The value of tmnxDhcpSvrPoolStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrPoolStatsStableP.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrPoolStatsUsed)	long	The value of tmnxDhcpSvrPoolStatsUsed indicates the number of provisioned and used subnets.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrPoolStatsFoUsed)	long	The value of tmnxDhcpSvrPoolStatsFoUsed indicates the number of provisioned and used remote subnets.
<p>LocalDhcpServerStats MIB entry name: tmnxDhcpServerStatsEntry Entry description: Each row entry contains basic statistics about a particular DHCP server instance. Table description (for tmnxDhcpServerStatsTable): The tmnxDhcpServerStatsTable contains basic statistics about the DHCP server instances. Supports realtime plotting Supports scheduled collection Monitored class: dhcp.LocalDhcpServer</p>		
addressUnavailableDropped [Address Unavailable Dropped] (tmnxDhcpSvrStatsDropAddrUnavail)	long	The value of tmnxDhcpSvrStatsDropAddrUnavail indicates the number of DHCP requests dropped by the server instance because the requested address is not available.
corruptedPacketsDropped [Corrupted Packets Dropped] (tmnxDhcpSvrStatsDropBadPackets)	long	The value of tmnxDhcpSvrStatsDropBadPackets indicates the number of DHCP packets received which were corrupt.
destinedToOtherDropped [Destined To Other Dropped] (tmnxDhcpSvrStatsDropDestOther)	long	The value of tmnxDhcpSvrStatsDropDestOther indicates the number of DHCP requests dropped by the server instance because the (broadcast) request was not destined to this server.
dropAudit [Drop Audit] (tmnxDhcpSvrStatsDropAudit)	long	The value of tmnxDhcpSvrStatsDropAudit indicates the number of DHCP requests dropped by the server instance because this server instance is busy with the primary audit.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropIntConflicts [Drop Int Conflicts] (tmnxDhcpSvrStatsDropIntConflicts)	long	The value of tmnxDhcpSvrStatsDropIntConflicts indicates a DHCP host is trying to acquire an IP address that was handed through the local address assignment infrastructure, or the local address assignment infrastructure tries to use an IP address that was handed out to a DHCP client.
dropMaxReached [Drop Max Reached] (tmnxDhcpSvrStatsDropMaxReached)	long	The value of tmnxDhcpSvrStatsDropMaxReached indicates the number of DHCP packets dropped by the server instance because the maximum number of leases was reached. The maximum number of leases is indicated by the value of the object tmnxDhcpSvrMaxLeases.
dropNoSubnet [Drop No Subnet] (tmnxDhcpSvrStatsDropNoSubnet)	long	The value of tmnxDhcpSvrStatsDropNoSubnet indicates the number of DHCP packets dropped by the server instance for user-db hosts with a fixed address because the subnet to which the address belongs is not configured.
dropSvrDown [Drop Svr Down] (tmnxDhcpSvrStatsDropSvrDown)	long	The value of tmnxDhcpSvrStatsDropSvrDown indicates the number of DHCP packets dropped by the server instance during server instance shutdown (while the value of the object tmnxDhcpServerCfgAdminState in the corresponding row was set equal to 'outOfService').
droppedDhcpReqDiffGatewayIP [Dropped Dhcp Req Diff Gateway IP] (tmnxDhcpSvrStatsDropDuplDiffGi)	long	The value of tmnxDhcpSvrStatsDropDuplDiffGi indicates the number of DHCP requests dropped by the server instance because they were received from a different Gateway IP address within a timeframe of 10 seconds after a previous DHCPREQUEST.
genericErrorDropped [Generic Error Dropped] (tmnxDhcpSvrStatsDropGenError)	long	The value of tmnxDhcpSvrStatsDropGenError indicates the number of DHCP packets dropped by the server instance because of a generic error.
internalCallsFailoverDropped [Internal Calls Failover Dropped] (tmnxDhcpSvrStatsDropIntWithFo)	long	The value of tmnxDhcpSvrStatsDropIntWithFo indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because failover is enabled for the server instance.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalCallsLocalUserDbDropped [Internal Calls Local User Db Dropped] (tmnxDhcpSvrStatsDropIntWithLudb)	long	The value of tmnxDhcpSvrStatsDropIntWithLudb indicates the number of internal calls from the local address assignment infrastructure dropped by the DHCP server instance because a local user database is attached to the server instance.
invalidMessageTypesDropped [Invalid Message Types Dropped] (tmnxDhcpSvrStatsDropInvalidTypes)	long	The value of tmnxDhcpSvrStatsDropInvalidTypes indicates the number of DHCP packets received which had an invalid message type (option 53).
invalidUserDropped [Invalid User Dropped] (tmnxDhcpSvrStatsDropInvalidUsr)	long	The value of tmnxDhcpSvrStatsDropInvalidUsr indicates the number of DHCP packets dropped by the server instance because the MAC address of the sender or the option 82 didn't match the host lease state.
leaseNotFoundDropped [Lease Not Found Dropped] (tmnxDhcpSvrStatsDropNoLeaseFound)	long	The value of tmnxDhcpSvrStatsDropNoLeaseFound indicates the number of DHCP packets dropped by the server instance because no (valid) lease was found.
leaseNotReadyDropped [Lease Not Ready Dropped] (tmnxDhcpSvrStatsDropLseNotReady)	long	The value of tmnxDhcpSvrStatsDropLseNotReady indicates the number of DHCP packets dropped by the server instance before the lease database was ready.
leasesExpired [Leases Expired] (tmnxDhcpSvrStatsLeasesExpired)	long	The value of tmnxDhcpSvrStatsLeasesExpired indicates the number of DHCP leases that were expired (because no release was received).
localUserDbNotFoundDropped [Local User Db Not Found Dropped] (tmnxDhcpSvrStatsDropNoUsrDbFound)	long	The value of tmnxDhcpSvrStatsDropNoUsrDbFound indicates the number of DHCP packets dropped because the value of the object tmnxDhcpServerCfgUserDatabase of this server instance is not equal to the default value and a local user database with that name could not be found.
noFreeAddressesInPoolDropped [No Free Addresses In Pool Dropped] (tmnxDhcpSvrStatsDropNotSrvngPool)	long	The value of tmnxDhcpSvrStatsDropNotSrvngPool indicates the number of DHCP packets dropped by the server instance because there were no more free addresses in the pool.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offersIgnored [Offers Ignored] (tmnxDhcpSvrStatsOffersIgnore)	long	The value of tmnxDhcpSvrStatsOffersIgnore indicates the number of DHCP OFFER (option 52 with value 2) packets sent by the DHCP server instance that were ignored by the clients.
overloadDropped [Overload Dropped] (tmnxDhcpSvrStatsDropOverload)	long	The value of tmnxDhcpSvrStatsDropOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the server instance can handle.
persistenceOverloadDropped [Persistence Overload Dropped] (tmnxDhcpSvrStatsDropPersOverload)	long	The value of tmnxDhcpSvrStatsDropPersOverload indicates the number of DHCP packets dropped by the server instance because they were received in excess of what the DHCP persistence system can handle. If this occurs, only releases and declines are still processed.
receivedDhcpDeclines [Received Dhcp Declines] (tmnxDhcpSvrStatsRxDeclines)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDeclines indicates the number of DHCPDECLINE (option 53 with value 4) packets received by the DHCP server instance.
receivedDhcpDiscovers [Received Dhcp Discovers] (tmnxDhcpSvrStatsRxDiscovers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxDiscovers indicates the number of DHCPDISCOVER (option 53 with value 1) packets received by the DHCP server instance.
receivedDhcpInforms [Received Dhcp Informs] (tmnxDhcpSvrStatsRxInforms)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxInforms indicates the number of DHCPINFORM (option 53 with value 8) packets received by the DHCP server instance.
receivedDhcpInternalReleases [Received Dhcp Internal Releases] (tmnxDhcpSvrStatsRxIntReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntReleases indicates the number of internal release calls received by the DHCP server instance from the local address assignment infrastructure.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDhcpInternalRequests [Received Dhcp Internal Requests] (tmnxDhcpSvrStatsRxIntRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxIntRequests indicates the number of internal request calls received by the DHCP server instance from the local address assignment infrastructure.
receivedDhcpReleases [Received Dhcp Releases] (tmnxDhcpSvrStatsRxReleases)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxReleases indicates the number of DHCPRELEASE (option 53 with value 7) packets received by the DHCP server instance.
receivedDhcpRequests [Received Dhcp Requests] (tmnxDhcpSvrStatsRxRequests)	java. math. BigInteger	The value of tmnxDhcpSvrStatsRxRequests indicates the number of DHCPREQUEST (option 53 with value 3) packets received by the DHCP server instance.
sentDhcpAcks [Sent Dhcp Acks] (tmnxDhcpSvrStatsTxAcks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxAcks indicates the number of DHCPACK (option 53 with value 5) packets sent by the DHCP server instance.
sentDhcpForceRenews [Sent Dhcp Force Renews] (tmnxDhcpSvrStatsTxForceRenews)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxForceRenews indicates the number of DHCPFORCERENEW (option 53 with value 9) packets sent by the DHCP server instance.
sentDhcpNaks [Sent Dhcp Naks] (tmnxDhcpSvrStatsTxNaks)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxNaks indicates the number of DHCPNAK (option 53 with value 6) packets sent by the DHCP server instance.
sentDhcpOffers [Sent Dhcp Offers] (tmnxDhcpSvrStatsTxOffers)	java. math. BigInteger	The value of tmnxDhcpSvrStatsTxOffers indicates the number of DHCPOFFER (option 53 with value 2) packets sent by the DHCP server instance.
unknownHostsDropped [Unknown Hosts Dropped] (tmnxDhcpSvrStatsDropUnknownHosts)	long	The value of tmnxDhcpSvrStatsDropUnknownHosts indicates the number of DHCP packets dropped from hosts which were not found in the user database when tmnxDhcpServerCfgUse-GiAddress was disabled.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
userNotAllowedDropped [User Not Allowed Dropped] (tmnxDhcpSvrStatsDropUserNotAllowed)	long	The value of tmnxDhcpSvrStatsDropUserNotAllowed indicates the number of DHCP packets dropped from hosts which are found in the user database, but which have no address or pool specified, nor has tmnxDhcpServerCfgUseGiAddress set to 'true'.
<p>LocalDhcpServerSubnetStats</p> <p>MIB entry name: tmnxDhcpSvrSubnetStatsEntry</p> <p>Entry description: Each row entry in the tmnxDhcpSvrSubnetStatsTable represents additional columns of operational data for a subnet that belongs to the specified DHCP server instance and pool.</p> <p>Table description (for tmnxDhcpSvrSubnetStatsTable): The tmnxDhcpSvrSubnetStatsTable has an entry for each subnet that belongs to the specified DHCP server instance and pool.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dhcp.Subnet</p>		
declinedAddresses [Declined Addresses] (tmnxDhcpSvrSubnetStatsDeclined)	long	The value of tmnxDhcpSvrSubnetStatsDeclined indicates the number of addresses in this subnet that are declined.
forceRenewPendingLeases [Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFRPending)	long	The value of tmnxDhcpSvrSubnetStatsFRPending indicates the number of leases in this subnet that are in state 'forceRenewPending'.
freeAddresses [Free Addresses] (tmnxDhcpSvrSubnetStatsFree)	long	The value of tmnxDhcpSvrSubnetStatsFree indicates the number of addresses in this subnet that are free.
highestValOfferedLeases [Highest Val Offered Leases] (tmnxDhcpSvrSubnetStatsOfferP)	long	The value of tmnxDhcpSvrSubnetStatsOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsOffered since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
highestValPctRemoteUsedAddresses [Highest Val Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctP)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPctP indicates the highest value of tmnxDhcpSvrSubnetStatsFoUsdPct since the last reset of the extended statistics.
highestValPctUsedAddresses [Highest Val Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctP)	int	The value of tmnxDhcpSvrSubnetStatsUsedPctP indicates the highest value of tmnxDhcpSvrSubnetStatsUsedPct since the last reset of the extended statistics.
highestValRemoteOfferedLeases [Highest Val Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferP)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferP indicates the highest value of tmnxDhcpSvrSubnetStatsFoOffered since the last reset of the extended statistics.
highestValRemoteStableLeases [Highest Val Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStableP)	long	The value of tmnxDhcpSvrSubnetStatsFoStableP indicates the highest value of tmnxDhcpSvrSubnetStatsFoStable since the last reset of the extended statistics.
highestValStableLeases [Highest Val Stable Leases] (tmnxDhcpSvrSubnetStatsStableP)	long	The value of tmnxDhcpSvrSubnetStatsStableP indicates the highest value of tmnxDhcpSvrSubnetStatsStable since the last reset of the extended statistics.
localProvisionedAddresses [Local Provisioned Addresses] (tmnxDhcpSvrSubnetStatsProv)	long	The value of tmnxDhcpSvrSubnetStatsProv indicates the total number of local addresses in this subnet that are provisioned.
lowestValPctFreeAddresses [Lowest Val Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctP)	int	The value of tmnxDhcpSvrSubnetStatsFreePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFreePct since the last reset of the extended statistics.
lowestValPctRemoteFreeAddresses [Lowest Val Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctP)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePctP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoFrePct since the last reset of the extended statistics.
lowestValRemoteUsedLeases [Lowest Val Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedP)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsFoUsed since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lowestValUsedLeases [Lowest Val Used Leases] (tmnxDhcpSvrSubnetStatsUsedP)	long	The value of tmnxDhcpSvrSubnetStatsUsedP indicates the lowest value of tmnxDhcpSvrSubnetStatsUsed since the last reset of the extended statistics.
offeredLeases [Offered Leases] (tmnxDhcpSvrSubnetStatsOffered)	long	The value of tmnxDhcpSvrSubnetStatsOffered indicates the number of leases in this subnet that are in state 'offered'.
pctFreeAddresses [Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePct)	int	The value of tmnxDhcpSvrSubnetStatsFreePct indicates the percentage of addresses in this subnet currently unused.
pctRemoteFreeAddresses [Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePct)	int	The value of tmnxDhcpSvrSubnetStatsFoFrePct indicates the percentage of remote addresses in this subnet that are currently unused.
pctRemoteUsedAddresses [Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPct)	int	The value of tmnxDhcpSvrSubnetStatsFoUsdPct indicates the percentage of remote addresses in this subnet that are in use.
pctUsedAddresses [Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPct)	int	The value of tmnxDhcpSvrSubnetStatsUsedPct indicates the percentage of addresses in this subnet in use.
peakNumberFreeAddresses [Peak Number Free Addresses] (tmnxDhcpSvrSubnetStatsFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFreeP indicates the peak number of addresses in this subnet that are free since the last reset of the extended statistics.
peakNumberRemoteFreeAddresses [Peak Number Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreeP)	long	The value of tmnxDhcpSvrSubnetStatsFoFreeP indicates the peak number of remote addresses in this subnet that are free since the last reset of the extended statistics.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteDeclinedAddresses [Remote Declined Addresses] (tmnxDhcpSvrSubnetStatsFoDeclined)	long	The value of tmnxDhcpSvrSubnetStatsFoDeclined indicates the number of remote addresses in this subnet that are declined. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteForceRenewPendingLeases [Remote Force Renew Pending Leases] (tmnxDhcpSvrSubnetStatsFoFRPend)	long	The value of tmnxDhcpSvrSubnetStatsFoFRPend indicates the number of remote leases in this subnet that are in state 'forceRenewPending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteFreeAddresses [Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFree)	long	The value of tmnxDhcpSvrSubnetStatsFoFree indicates the number of remote addresses in this subnet that are free. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteOfferedLeases [Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOffered)	long	The value of tmnxDhcpSvrSubnetStatsFoOffered indicates the number of remote leases in this subnet that are in state 'offered'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
remoteProvisionedAddresses [Remote Provisioned Addresses] (tmnxDhcpSvrSubnetStatsFoProv)	long	The value of tmnxDhcpSvrSubnetStatsFoProv indicates the total number of remote addresses in this subnet that are provisioned. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)' and the value of the object tmnxDhcpsFoState of this server is equal to 'partnerDown (5)'.
remoteRemovePendingLeases [Remote Remove Pending Leases] (tmnxDhcpSvrSubnetStatsFoRemPend)	long	The value of tmnxDhcpSvrSubnetStatsFoRemPend indicates the number of remote leases in this subnet that are in state 'removePending'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteStableLeases [Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStable)	long	The value of tmnxDhcpSvrSubnetStatsFoStable indicates the number of remote leases in this subnet that are in state 'stable'. The value of this object is only relevant if the value of the object tmnxDhcpsFoAdminState of this server is equal to 'inService (2)'.
removePendingLeases [Remove Pending Leases] (tmnxDhcpSvrSubnetStatsRemPending)	long	The value of tmnxDhcpSvrSubnetStatsRemPending indicates the number of leases in this subnet that are in state 'removePending'.
stableLeases [Stable Leases] (tmnxDhcpSvrSubnetStatsStable)	long	The value of tmnxDhcpSvrSubnetStatsStable indicates the number of leases in this subnet that are in state 'stable'.
timeSinceExtendedReset [Time Since Extended Reset] (tmnxDhcpSvrSubnetStatsExtResetT)	long	The value of tmnxDhcpSvrSubnetStatsExtResetT indicates the sysUpTime at the last reset of the extended statistics.
timeSinceLastFreeAddresses [Time Since Last Free Addresses] (tmnxDhcpSvrSubnetStatsFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreeP.
timeSinceLastOfferedLeases [Time Since Last Offered Leases] (tmnxDhcpSvrSubnetStatsOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsOfferP.
timeSinceLastPctFreeAddresses [Time Since Last Pct Free Addresses] (tmnxDhcpSvrSubnetStatsFreePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFreePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFreePctP.
timeSinceLastPctRemoteFreeAddresses [Time Since Last Pct Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFrePctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoFrePctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFrePctP.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPctRemoteUsedAddresses [Time Since Last Pct Remote Used Addresses] (tmnxDhcpSvrSubnetStatsFoUsdPctPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsdPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsdPctP.
timeSinceLastPctUsedAddresses [Time Since Last Pct Used Addresses] (tmnxDhcpSvrSubnetStatsUsedPctPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPctPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedPctP.
timeSinceLastRemoteFreeAddresses [Time Since Last Remote Free Addresses] (tmnxDhcpSvrSubnetStatsFoFreePT)	long	The value of tmnxDhcpSvrSubnetStatsFoFreePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoFreeP.
timeSinceLastRemoteOfferedLeases [Time Since Last Remote Offered Leases] (tmnxDhcpSvrSubnetStatsFoOfferPT)	long	The value of tmnxDhcpSvrSubnetStatsFoOfferPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoOfferP.
timeSinceLastRemoteStableLeases [Time Since Last Remote Stable Leases] (tmnxDhcpSvrSubnetStatsFoStablePT)	long	The value of tmnxDhcpSvrSubnetStatsFoStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoStableP.
timeSinceLastRemoteUsedLeases [Time Since Last Remote Used Leases] (tmnxDhcpSvrSubnetStatsFoUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsFoUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsFoUsedP.
timeSinceLastStableLeases [Time Since Last Stable Leases] (tmnxDhcpSvrSubnetStatsStablePT)	long	The value of tmnxDhcpSvrSubnetStatsStablePT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsStableP.
timeSinceLastUsedLeases [Time Since Last Used Leases] (tmnxDhcpSvrSubnetStatsUsedPT)	long	The value of tmnxDhcpSvrSubnetStatsUsedPT indicates the sysUpTime at the last change of tmnxDhcpSvrSubnetStatsUsedP.

Table 525 dhcp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
usedLeases [Used Leases] (tmnxDhcpSvrSubnetStatsUsed)	long	The value of tmnxDhcpSvrSubnetStatsUsed indicates the number of leases in this subnet that are in use.
usedRemoteLeases [Used Remote Leases] (tmnxDhcpSvrSubnetStatsFoUsed)	long	The value of tmnxDhcpSvrSubnetStatsFoUsed indicates the number of remote leases in this subnet that are in use.

Table 526 diameter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DiameterPeerStats</p> <p>MIB entry name: tmnxDiamPlcyPeerStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics about a peer defined in a DIAMETER policy. Entries in this table are created and removed automatically by the system</p> <p>Table description (for tmnxDiamPlcyPeerStatsTable): The tmnxDiamPlcyPeerStatsTable contains detailed statistics about the peers defined in a DIAMETER policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: diameter.DiameterPeer</p>		
asaTx [Asa Tx] (tmnxDiamPeerStAsaTx)	long	The value of tmnxDiamPeerStAsaTx indicates the number of Abort-Session-Answer messages that are transmitted to the server.
asrRx [Asr Rx] (tmnxDiamPeerStAsrRx)	long	The value of tmnxDiamPeerStAsrRx indicates the number of Abort-Session-Request messages that are received from the server.
ccaInitialRx [Cca Initial Rx] (tmnxDiamPeerStCcaInitialRx)	long	The value of tmnxDiamPeerStCcaInitialRx indicates the number of Credit Control Answer messages in response to the CCR INITIAL_REQUEST that are received from the server.
ccaTerminateRx [Cca Terminate Rx] (tmnxDiamPeerStCcaTerminateRx)	long	The value of tmnxDiamPeerStCcaTerminateRx indicates the number of Credit Control Answer messages in response to the CCR TERMINATION_REQUEST that are received from the server.
ccaUpdateRx [Cca Update Rx] (tmnxDiamPeerStCcaUpdateRx)	long	The value of tmnxDiamPeerStCcaUpdateRx indicates the number of Credit Control Answer messages in response to the CCR UPDATE_REQUEST that are received from the server.

Table 526 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ccrInitialTx [Ccr Initial Tx] (tmnxDiamPeerStCcrInitialTx)	long	The value of tmnxDiamPeerStCcrInitialTx indicates the number of Credit Control Request messages with CC-Request-Type AVP equal to INITIAL_REQUEST that are transmitted to the server.
ccrTerminateTx [Ccr Terminate Tx] (tmnxDiamPeerStCcrTerminateTx)	long	The value of tmnxDiamPeerStCcrTerminateTx indicates the number of Credit Control Request messages with CC-Request-Type AVP equal to TERMINATION_REQUEST that are transmitted to the server.
ccrUpdateTx [Ccr Update Tx] (tmnxDiamPeerStCcrUpdateTx)	long	The value of tmnxDiamPeerStCcrUpdateTx indicates the number of Credit Control Request messages with CC-Request-Type AVP equal to UPDATE_REQUEST that are transmitted to the server.
ceaRx [Cea Rx] (tmnxDiamPeerStCeaRx)	long	The value of tmnxDiamPeerStCeaRx indicates the number of Capabilities-Exchange-Answer messages that are received from the server.
cerTx [Cer Tx] (tmnxDiamPeerStCerTx)	long	The value of tmnxDiamPeerStCerTx indicates the number of Capabilities-Exchange-Request messages that are transmitted to the server.
clientInitiatedPendingMsgsPMQ [Client Initiated Pending Msgs PMQ] (tmnxDiamPeerStCiPendMsgsPMQ)	long	The value of tmnxDiamPeerStCiPendMsgsPMQ indicates client initiated roundtrip DIAMETER statistics regarding the number of request messages in the Pending Message Queue waiting to be matched with corresponding response messages from the server.
clientInitiatedReqTimeoutsPMQ [Client Initiated Req Timeouts PMQ] (tmnxDiamPeerStCiReqTimeoutsPMQ)	long	The value of tmnxDiamPeerStCiReqTimeoutsPMQ indicates client initiated roundtrip DIAMETER statistics regarding the number of request messages that were removed from the Pending Message Queue due to a match timeout.
dpaRx [Dpa Rx] (tmnxDiamPeerStDpaRx)	long	The value of tmnxDiamPeerStDpaRx indicates the number of Disconnect-Peer-Answer messages that are received from the server.

Table 526 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpaTx [Dpa Tx] (tmnxDiamPeerStDpaTx)	long	The value of tmnxDiamPeerStDpaTx indicates the number of Disconnect-Peer-Answer messages that are transmitted to the server.
dprRx [Dpr Rx] (tmnxDiamPeerStDprRx)	long	The value of tmnxDiamPeerStDprRx indicates the number of Disconnect-Peer-Request messages that are received from the server.
dprTx [Dpr Tx] (tmnxDiamPeerStDprTx)	long	The value of tmnxDiamPeerStDprTx indicates the number of Disconnect-Peer-Request messages that are transmitted to the server.
peerName [Peer Name] (tmnxDiamPlcyPeerName)	String	The value of tmnxDiamPlcyPeerName specifies the name of the peer within a DIAMETER policy.
policyName [Policy Name] (tmnxDiamPlcyName)	String	The value of tmnxDiamPlcyName specifies the name of the DIAMETER policy.
raaTx [Raa Tx] (tmnxDiamPeerStRaaTx)	long	The value of tmnxDiamPeerStRaaTx indicates the number of Re-Auth-Answer messages that are transmitted to the server.
rarRx [Rar Rx] (tmnxDiamPeerStRarRx)	long	The value of tmnxDiamPeerStRarRx indicates the number of Re-Auth-Request messages that are received from the server.
siDiameterRxDropCount [Si Diameter Rx Drop Count] (tmnxDiamPeerStSiDiamRxDropCnt)	long	The value of tmnxDiamPeerStSiDiamRxDropCnt indicates client initiated roundtrip DIAMETER statistics regarding the number of dropped request messages upon reception from server.

Table 526 diameter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
siDiameterRxRequests [Si Diameter Rx Requests] (tmnxDiamPeerStSiDiamRxReqs)	long	The value of tmnxDiamPeerStSiDiamRxReqs indicates client initiated roundtrip DIAMETER statistics regarding the number of request messages received from server.
siDiameterTxResponses [Si Diameter Tx Responses] (tmnxDiamPeerStSiDiamTxResps)	long	The value of tmnxDiamPeerStSiDiamTxResps indicates client initiated roundtrip DIAMETER statistics regarding the number of response messages sent to server.
siTcpSendFailed [Si Tcp Send Failed] (tmnxDiamPeerStSiTcpSendFailed)	long	The value of tmnxDiamPeerStSiTcpSendFailed indicates client initiated roundtrip DIAMETER statistics regarding the number of TCP send failures.
wdaRx [Wda Rx] (tmnxDiamPeerStWdaRx)	long	The value of tmnxDiamPeerStWdaRx indicates the number of Device-Watchdog-Answer messages that are received from the server.
wdaTx [Wda Tx] (tmnxDiamPeerStWdaTx)	long	The value of tmnxDiamPeerStWdaTx indicates the number of Device-Watchdog-Answer messages that are transmitted to the server.
wdrRx [Wdr Rx] (tmnxDiamPeerStWdrRx)	long	The value of tmnxDiamPeerStWdrRx indicates the number of Device-Watchdog-Request messages that are received from the server.
wdrTx [Wdr Tx] (tmnxDiamPeerStWdrTx)	long	The value of tmnxDiamPeerStWdrTx indicates the number of Device-Watchdog-Request messages that are transmitted to the server.

Table 527 dynsvc statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynSvcStats</p> <p>MIB entry name: tmnxDynSvcStatsEntry</p> <p>Entry description: Each conceptual row represents a statistic counter. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxDynSvcStatsTable): The tmnxDynSvcStatsTable shows statistics information of the Dynamic Services.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: dynsvc.DynSvcNeConfig</p>		
statsDescription [Stats Description] (tmnxDynSvcStatsDescr)	String	The value of the object tmnxDynSvcStatsDescr specifies the description of the statistic counter contained in this conceptual row.
statsId [Stats Id] (tmnxDynSvcStatsId)	long	The value of tmnxDynSvcStatsId specifies the number that identifies this conceptual row within the scope of a Dynamic Services.
statsValue [Stats Value] (tmnxDynSvcStatsVal)	long	The value of the object tmnxDynSvcStatsVal indicates the value of the statistics contained in this conceptual row.

Table 528 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardResourceStats</p> <p>MIB entry name: tCardResEntry</p> <p>Entry description: The value of tCardResEntry represents card specific system resource information.</p> <p>Table description (for tCardResTable): The value of tCardResTable represents system resource information that are specific to a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tCardResFPIngQGrpInstAlloc)	long	The value of tCardResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are currently provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tCardResFPIngQGrpInstTotal)	long	The value of tCardResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are allowed to be provisioned. When the value of tCardResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
hsmdaQOvrAlloc [Hsmda QOvr Alloc] (tCardResHsmdaQOvrAlloc)	long	The value of tCardResHsmdaQOvrAlloc represents the total number of HSMDA queue overrides that are currently allocated on this card.
hsmdaQOvrTotal [Hsmda QOvr Total] (tCardResHsmdaQOvrTotal)	long	The value of tCardResHsmdaQOvrTotal represents the total number of HSMDA queue overrides that are supported on this card. When the value of tCardResHsmdaQOvrTotal is zero, it indicates that this resource type is not supported on this card.
portAccEgrQGrpInstAlloc [Port Acc Egr QGrp Inst Alloc] (tCardResPortAccEgrQGrpInstAlloc)	long	The value of tCardResPortAccEgrQGrpInstAlloc represents the total number of port access egress queue-group instances across all ports on this card that are currently provisioned.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccEgrQGrpInstTotal [Port Acc Egr QGrp Inst Total] (tCardResPortAccEgrQGrpInstTotal)	long	The value of tCardResPortAccEgrQGrpInstTotal represents the total number of port access egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortAccEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tCardResPortEgrQGrpInstAlloc)	long	The value of tCardResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tCardResPortEgrQGrpInstTotal)	long	The value of tCardResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are allowed to be provisioned. When the value of tCardResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrVPortAlloc [Port Egr VPort Alloc] (tCardResPortEgrVPortAlloc)	long	The value of tCardResPortEgrVPortAlloc represents the total number of egress virtual ports across all ports on this card that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tCardResPortEgrVPortTotal)	long	The value of tCardResPortEgrVPortTotal represents the total number of egress virtual ports across all ports on this card that are allowed to be provisioned. When the value of tCardResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this card.
portNetEgrQGrpInstAlloc [Port Net Egr QGrp Inst Alloc] (tCardResPortNetEgrQGrpInstAlloc)	long	The value of tCardResPortNetEgrQGrpInstAlloc represents the total number of port network egress queue-group instances across all ports on this card that are currently provisioned.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpInstTotal [Port Net Egr QGrp Inst Total] (tCardResPortNetEgrQGrpInstTotal)	long	The value of tCardResPortNetEgrQGrpInstTotal represents the total number of port network egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortNetEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
qosIntSchedsAlloc [Qos Int Scheds Alloc] (tCardResQosIntSchedsAlloc)	long	The value of tCardResQosIntSchedsAlloc represents the total number of QoS internal virtual schedulers that are currently allocated on this card.
qosIntSchedsTotal [Qos Int Scheds Total] (tCardResQosIntSchedsTotal)	long	The value of tCardResQosIntSchedsTotal represents the total number of QoS internal virtual schedulers that are supported on this card. When the value of tCardResQosIntSchedsTotal is zero, it indicates that this resource type is not supported on this card.
qosUserSchedsAlloc [Qos User Scheds Alloc] (tCardResQosUserSchedsAlloc)	long	The value of tCardResQosUserSchedsAlloc represents the total number of QoS user virtual schedulers that are currently allocated on this card.
qosUserSchedsTotal [Qos User Scheds Total] (tCardResQosUserSchedsTotal)	long	The value of tCardResQosUserSchedsTotal represents the total amount of QoS user virtual schedulers that are supported on this card. When the value of tCardResQosUserSchedsTotal is zero, it indicates that this resource type is not supported on this card.
subSPIQosOvrAlloc [Sub SPIQos Ovr Alloc] (tCardResSubSPIQosOvrAlloc)	long	The value of tCardResSubSPIQosOvrAlloc represents the total number of QoS subscriber sla-profile instance overrides that are currently allocated on this card.
subSPIQosOvrTotal [Sub SPIQos Ovr Total] (tCardResSubSPIQosOvrTotal)	long	The value of tCardResSubSPIQosOvrTotal represents the total number of QoS subscriber sla-profile instance overrides that are supported on this card. When the value of tCardResSubSPIQosOvrTotal is zero, it indicates that this resource type is not supported on this card.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ChassisResourceStats MIB entry name: tChassisResEntry Entry description: The value of tChassisResEntry represents chassis specific system resource information. Table description (for tChassisResTable): The value of tChassisResTable represents system resource information that are specific to chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
egrQGrpTmplAlloc [Egr QGrp Tmpl Alloc] (tChassisResEgrQGrpTmplAlloc)	long	The value of tChassisResEgrQGrpTmplAlloc represents the total number of egress queue-group-templates that are currently provisioned on this chassis.
egrQGrpTmplTotal [Egr QGrp Tmpl Total] (tChassisResEgrQGrpTmplTotal)	long	The value of tChassisResEgrQGrpTmplTotal represents the total number of egress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResEgrQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tChassisResFPIngQGrpInstAlloc)	long	The value of tChassisResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tChassisResFPIngQGrpInstTotal)	long	The value of tChassisResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
ingQGrpTmplAlloc [Ing QGrp Tmpl Alloc] (tChassisResIngQGrpTmplAlloc)	long	The value of tChassisResIngQGrpTmplAlloc represents the total number of ingress queue-group-templates that are currently provisioned on this chassis.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQGrpTmplTotal [Ing QGrp Tmpl Total] (tChassisResIngQGrpTmplTotal)	long	The value of tChassisResIngQGrpTmplTotal represents the total number of ingress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResIngQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tChassisResPortEgrQGrpInstAlloc)	long	The value of tChassisResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tChassisResPortEgrQGrpInstTotal)	long	The value of tChassisResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrVPortAlloc [Port Egr VPort Alloc] (tChassisResPortEgrVPortAlloc)	long	The value of tChassisResPortEgrVPortAlloc represents the total number of port virtual ports across all the ports on this chassis that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tChassisResPortEgrVPortTotal)	long	The value of tChassisResPortEgrVPortTotal represents the total number of egress virtual ports across all the ports on this chassis that are allowed to be provisioned. When the value of tChassisResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this chassis.
sapEgrQosPolAlloc [Sap Egr Qos Pol Alloc] (tChassisResSapEgrQosPolAlloc)	long	The value of tChassisResSapEgrQosPolAlloc represents the total number of sap-egress QoS policies that are currently provisioned on this chassis.
sapEgrQosPolTotal [Sap Egr Qos Pol Total] (tChassisResSapEgrQosPolTotal)	long	The value of tChassisResSapEgrQosPolTotal represents the total number of sap-egress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapEgrQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tChassisResSapIngQosPolAlloc)	long	The value of tChassisResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently provisioned on this chassis.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tChassisResSapIngQosPolTotal)	long	The value of tChassisResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapIngQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
<p>CiscoHDLCStats</p> <p>MIB entry name: tmnxCiscoHDLCStatsEntry</p> <p>Entry description: An entry in the tmnxCiscoHDLCStatsTable.</p> <p>Table description (for tmnxCiscoHDLCStatsTable): The tmnxCiscoHDLCStatsTable has an entry for each port in the system that is configured for Cisco HDLC encapsulation. It contains Cisco HDLC protocol statistics for the particular port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • tdmequipment.DS0ChannelGroup • tdmequipment.DS3E3Channel 		
discardStatInPkts [Discard Stat In Pkts] (tmnxCiscoHDLCDiscardStatInPkts)	long	tmnxCiscoHDLCDiscardStatInPkts indicates the number of inbound Cisco HDLC packets discarded.
discardStatOutPkts [Discard Stat Out Pkts] (tmnxCiscoHDLCDiscardStatOutPkts)	long	tmnxCiscoHDLCDiscardStatOutPkts indicates the number of outbound Cisco HDLC packets discarded.
statInOctets [Stat In Octets] (tmnxCiscoHDLCStatInOctets)	long	tmnxCiscoHDLCStatInOctets indicates the number of inbound Cisco HDLC octets.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statInPkts [Stat In Pkts] (tmnxCiscoHDLCStatInPkts)	long	tmnxCiscoHDLCStatInPkts indicates the number of inbound Cisco HDLC packets.
statOutOctets [Stat Out Octets] (tmnxCiscoHDLCStatOutOctets)	long	tmnxCiscoHDLCStatOutOctets indicates the number of outbound Cisco HDLC octets.
statOutPkts [Stat Out Pkts] (tmnxCiscoHDLCStatOutPkts)	long	tmnxCiscoHDLCStatOutPkts indicates the number of outbound Cisco HDLC packets.
<p>CpuUtilizationStats</p> <p>MIB entry name: tmnxCardCpuResMonitorEntry</p> <p>Entry description: The tmnxCardCpuResMonitorEntry contains the card level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxCardCpuResMonitorTable): The tmnxCardCpuResMonitorTable details the specified current card's CPU resources. The information described in this table is volatile and dependent on the current environmental conditions, and specified sample-time. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
busyCoreUtil [Busy Core Util] (tmnxCardCpuResMonBusyCoreUtil)	double	The value of tmnxCardCpuResMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
busyGroupName [Busy Group Name] (tmnxCardCpuResMonBusyGroupName)	String	The value of tmnxCardCpuResMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxCardCpuResMonBusyGroupUtil.
busyGroupUtil [Busy Group Util] (tmnxCardCpuResMonBusyGroupUtil)	double	The value of tmnxCardCpuResMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxCardCpuResMonBusyGroupName.
cardSlotId [Card Slot Id] (tmnxCardResourceSlotNum)	long	The value of tmnxCardResourceSlotNum specifies the slot number of the card to which the resource information is monitored.
cpuidle [Cpu Idle] (tmnxCardCpuResMonCpuIdle)	double	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
samplingTime [Sampling Time] (tmnxCardCpuResSampleTime)	int	The value of tmnxCardCpuResSampleTime specifies the sample-time used to calculate the utilization results for the row.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF in 1/10000 of a Volt(V). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: $\text{tmnxDDMSupplyVoltage} / 10000$ Externally Calibrated: $(\text{tmnxDDMSupplyVoltage} * (\text{tmnxDDMExtCalVoltageSlope} / 256) + \text{tmnxDDMExtCalVoltageOffset}) / 10000$ For example (internally calibrated SFF): The SNMP value 32851 is 3.2851 Volts (V).
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
<p>EgrSchVPortStats</p> <p>MIB entry name: tPortEgrVPortSchedStatEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about an egress port scheduler at a vport. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tPortEgrVPortSchedStatTable): The tPortEgrVPortSchedStatTable contains statistics information about the egress port schedulers at a vport.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrSchVPortStatsFwdOcts [Egr Sch VPort Stats Fwd Octs] (tPortEgrVPSchedStatFwdOcts)	java. math. BigInteger	The value of tPortEgrVPSchedStatFwdOcts indicates the number of forwarded octets.
egrSchVPortStatsFwdPkts [Egr Sch VPort Stats Fwd Pkts] (tPortEgrVPSchedStatFwdPkts)	java. math. BigInteger	The value of tPortEgrVPSchedStatFwdPkts indicates the number of forwarded packets.
egrSchVPortStatsName [Egr Sch VPort Stats Name] (tPortEgrVPSchedStatName)	String	The value of tPortEgrVPSchedStatName specifies the name of the port scheduler.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portId [Port Id] (tmnxPortPortID)	long	tmnxPortPortID is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
shelfId [Shelf Id] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
virtualPortName [Virtual Port Name] (tPortEgrVPortName)	String	The value of tPortEgrVPortName is the name of the virtual port on this port.
<p>EgrVPortAggStats</p> <p>MIB entry name: tPortEgrVPortAggStatsEntry</p> <p>Entry description: Each row in tPortEgrVPortAggStatsEntry represents a particular virtual port at the port egress level specified by tPortEgrVPortName and tPortEgrVPStLvl.</p> <p>Table description (for tPortEgrVPortAggStatsTable): The tPortEgrVPortAggStatsTable contains the statistics of each virtual port at the port egress level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrVPortAggStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVportAggStatsCIRLevelDpdOct [Egr Vport Agg Stats CIRLevel Dpd Oct] (tPortEgrVPStLvlDpdOct)	java. math. BigInte- ger	The value of tPortEgrVPStLvlDpdOct indicates the number of octets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelDpdPkt [Egr Vport Agg Stats CIRLevel Dpd Pkt] (tPortEgrVPStLvlDpdPkt)	java. math. BigInte- ger	The value of tPortEgrVPStLvlDpdPkt indicates the number of packets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVportAggStatsCIRLevelFwdOct [Egr Vport Agg Stats CIRLevel Fwd Oct] (tPortEgrVPStLvIFwdOct)	java. math. BigInteger	The value of tPortEgrVPStLvIFwdOct indicates the number of octets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdPkt [Egr Vport Agg Stats CIRLevel Fwd Pkt] (tPortEgrVPStLvIFwdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvIFwdPkt indicates the number of packets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLlevel [Egr Vport Agg Stats CIRLlevel] (tPortEgrVPStLvl)	int	The value of tPortEgrVPStLvl indicates the priority level for the port scheduler to which a subscriber host queue can be port-parented. When the value of tPortEgrVPStLvl is specified as '0xffffffff H', snmp GET on this table returns aggregate statistics.
egrVportAggStatsLastClearTime [Egr Vport Agg Stats Last Clear Time] (tPortEgrVPStLstClrdTime)	long	The value of tPortEgrVPStLstClrdTime indicates the sysUpTime when the counters in this table were last cleared.
<p>FPAcclngQGrpArbiterStats</p> <p>MIB entry name: tFPAcclngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPAcclngQGrpArbitStatEntry defines an entry in the tFPAcclngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tFPAcclngQGrpArbitStatTable): The value of tFPAcclngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group policer statistics on access side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPAcclngQGrpEntry</p>		
fpAcclngQGrpArbitStatFwdOcts [Fp Acc Ing QGrp Arbit Stat Fwd Octs] (tFPAcclngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPAcclngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQGrpArbitStatFwdOctsH [Fp Acc Ing QGrp Arbit Stat Fwd Octs H] (tFPAcclngQGrpArbitStatFwdOctsH)	long	The value of tFPAcclngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPAcclngQGrpArbitStatFwdOcts.
fpAcclngQGrpArbitStatFwdOctsL [Fp Acc Ing QGrp Arbit Stat Fwd Octs L] (tFPAcclngQGrpArbitStatFwdOctsL)	long	The value of tFPAcclngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPAcclngQGrpArbitStatFwdOcts.
fpAcclngQGrpArbitStatFwdPkts [Fp Acc Ing QGrp Arbit Stat Fwd Pkts] (tFPAcclngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPAcclngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpAcclngQGrpArbitStatFwdPktsH [Fp Acc Ing QGrp Arbit Stat Fwd Pkts H] (tFPAcclngQGrpArbitStatFwdPktsH)	long	The value of tFPAcclngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPAcclngQGrpArbitStatFwdPkts.
fpAcclngQGrpArbitStatFwdPktsL [Fp Acc Ing QGrp Arbit Stat Fwd Pkts L] (tFPAcclngQGrpArbitStatFwdPktsL)	long	The value of tFPAcclngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPAcclngQGrpArbitStatFwdPkts.
fpAcclngQGrpArbitStatName [Fp Acc Ing QGrp Arbit Stat Name] (tFPAcclngQGrpArbitStatName)	String	The value of tFPAcclngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on access.
<p>FPAcclngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPAcclngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPAcclngQGrpPStatEntry defines an entry in the tmnxFPAcclngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPAcclngQGrpPStatTable): The value of tmnxFPAcclngQGrpTable contains forwarding-plane ingress QoS queue group policer statistics on access side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPAcclngQGrpEntry</p>		

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQGrpPStatMode [Fp Acc Ing QGrp PStat Mode] (tmnxFPAcclngQGrpPStatMode)	int	The value of tmnxFPAcclngQGrpPStatMode indicates the stat mode used by this policer.
fpAcclngQGrpPStatPolicerId [Fp Acc Ing QGrp PStat Policer Id] (tmnxFPAcclngQGrpPStatPolicerId)	long	The value of tmnxFPAcclngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on access.
fpAcclngQgPStDrpHPrioOcts [Fp Acc Ing Qg PSt Drp HPrio Octs] (tmnxFPAcclngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpHPrioOctsH [Fp Acc Ing Qg PSt Drp HPrio Octs H] (tmnxFPAcclngQgPStDrpHPrioOctsH)	long	The value of tmnxFPAcclngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpHPrioOcts.
fpAcclngQgPStDrpHPrioOctsL [Fp Acc Ing Qg PSt Drp HPrio Octs L] (tmnxFPAcclngQgPStDrpHPrioOctsL)	long	The value of tmnxFPAcclngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpHPrioOcts.
fpAcclngQgPStDrpHPrioPkts [Fp Acc Ing Qg PSt Drp HPrio Pkts] (tmnxFPAcclngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpHPrioPktsH [Fp Acc Ing Qg PSt Drp HPrio Pkts H] (tmnxFPAcclngQgPStDrpHPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpHPrioPkts.
fpAcclngQgPStDrpHPrioPktsL [Fp Acc Ing Qg PSt Drp HPrio Pkts L] (tmnxFPAcclngQgPStDrpHPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpHPrioPkts.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStDrpLPrioOcts [Fp Acc Ing Qg PSt Drp LPrio Octs] (tmnxFPAcclngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioOctsH [Fp Acc Ing Qg PSt Drp LPrio Octs H] (tmnxFPAcclngQgPStDrpLPrioOctsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioOctsL [Fp Acc Ing Qg PSt Drp LPrio Octs L] (tmnxFPAcclngQgPStDrpLPrioOctsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioPkts [Fp Acc Ing Qg PSt Drp LPrio Pkts] (tmnxFPAcclngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioPktsH [Fp Acc Ing Qg PSt Drp LPrio Pkts H] (tmnxFPAcclngQgPStDrpLPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.
fpAcclngQgPStDrpLPrioPktsL [Fp Acc Ing Qg PSt Drp LPrio Pkts L] (tmnxFPAcclngQgPStDrpLPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.
fpAcclngQgPStFwdInProfOcts [Fp Acc Ing Qg PSt Fwd In Prof Octs] (tmnxFPAcclngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfOctsH [Fp Acc Ing Qg PSt Fwd In Prof Octs H] (tmnxFPAcclngQgPStFwdInProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdInProfOctsL [Fp Acc Ing Qg PSt Fwd In Prof Octs L] (tmnxFPAcclngQgPStFwdInProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.
fpAcclngQgPStFwdInProfPkts [Fp Acc Ing Qg PSt Fwd In Prof Pkts] (tmnxFPAcclngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfPktsH [Fp Acc Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPAcclngQgPStFwdInProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdInProfPktsL [Fp Acc Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPAcclngQgPStFwdInProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdOutProfOcts [Fp Acc Ing Qg PSt Fwd Out Prof Octs] (tmnxFPAcclngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdOutProfOctsH [Fp Acc Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPAcclngQgPStFwdOutProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.
fpAcclngQgPStFwdOutProfOctsL [Fp Acc Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPAcclngQgPStFwdOutProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.
fpAcclngQgPStFwdOutProfPkts [Fp Acc Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPAcclngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdOutProfPktsH [Fp Acc Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPAcclngQgPStFwdOutProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStFwdOutProfPktsL [Fp Acc Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPAcclngQgPStFwdOutProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStOffHPrioOcts [Fp Acc Ing Qg PSt Off HPrio Octets] (tmnxFPAcclngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffHPrioOctsH [Fp Acc Ing Qg PSt Off HPrio Octets H] (tmnxFPAcclngQgPStOffHPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioOctsL [Fp Acc Ing Qg PSt Off HPrio Octets L] (tmnxFPAcclngQgPStOffHPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioPkts [Fp Acc Ing Qg PSt Off HPrio Pkts] (tmnxFPAcclngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffHPrioPktsH [Fp Acc Ing Qg PSt Off HPrio Pkts H] (tmnxFPAcclngQgPStOffHPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.
fpAcclngQgPStOffHPrioPktsL [Fp Acc Ing Qg PSt Off HPrio Pkts L] (tmnxFPAcclngQgPStOffHPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStOffLPrioOcts [Fp Acc Ing Qg PSt Off LPrio Octs] (tmnxFPAcclngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.
fpAcclngQgPStOffLPrioOctsH [Fp Acc Ing Qg PSt Off LPrio Octs H] (tmnxFPAcclngQgPStOffLPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffLPrioOcts.
fpAcclngQgPStOffLPrioOctsL [Fp Acc Ing Qg PSt Off LPrio Octs L] (tmnxFPAcclngQgPStOffLPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffLPrioOcts.
fpAcclngQgPStOffLPrioPkts [Fp Acc Ing Qg PSt Off LPrio Pkts] (tmnxFPAcclngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffLPrioPktsH [Fp Acc Ing Qg PSt Off LPrio Pkts H] (tmnxFPAcclngQgPStOffLPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffLPrioPkts.
fpAcclngQgPStOffLPrioPktsL [Fp Acc Ing Qg PSt Off LPrio Pkts L] (tmnxFPAcclngQgPStOffLPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffLPrioPkts.
fpAcclngQgPStUncolOctsOff [Fp Acc Ing Qg PSt Uncol Octs Off] (tmnxFPAcclngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpAcclngQgPStUncolOctsOffH [Fp Acc Ing Qg PSt Uncol Octs Off H] (tmnxFPAcclngQgPStUncolOctsOffH)	long	The value of tmnxFPAcclngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPAcclngQgPStUncolOctsOff.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStUncolOctsOffL [Fp Acc Ing Qg PSt Uncol Octs Off L] (tmnxFPAcclngQgPStUncolOctsOffL)	long	The value of tmnxFPAcclngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolOctsOff.
fpAcclngQgPStUncolPktsOff [Fp Acc Ing Qg PSt Uncol Pkts Off] (tmnxFPAcclngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpAcclngQgPStUncolPktsOffH [Fp Acc Ing Qg PSt Uncol Pkts Off H] (tmnxFPAcclngQgPStUncolPktsOffH)	long	The value of tmnxFPAcclngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
fpAcclngQgPStUncolPktsOffL [Fp Acc Ing Qg PSt Uncol Pkts Off L] (tmnxFPAcclngQgPStUncolPktsOffL)	long	The value of tmnxFPAcclngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
<p>FPNwIngQGrpArbiterStats</p> <p>MIB entry name: tFPNetIngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter.</p> <p>Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.
<p>FPNwIngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPNetIngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPNetIngQGrpPStatEntry defines an entry in the tmnxFPNetIngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPNetIngQGrpPStatTable): The value of tmnxFPNetIngQGrpTable contains forwarding-plane ingress QoS queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpPStatMode [Fp Net Ing QGrp PStat Mode] (tmnxFPNetIngQGrpPStatMode)	int	The value of tmnxFPNetIngQGrpPStatMode indicates the stat mode used by this policer.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpPStatPolicerId [Fp Net Ing QGrp PStat Policer Id] (tmnxFPNetIngQGrpPStatPolicerId)	long	The value of tmnxFPNetIngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on network.
fpNetIngQgPStDrpHPrioOcts [Fp Net Ing Qg PSt Drp HPrio Octs] (tmnxFPNetIngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpHPrioOctsH [Fp Net Ing Qg PSt Drp HPrio Octs H] (tmnxFPNetIngQgPStDrpHPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioOctsL [Fp Net Ing Qg PSt Drp HPrio Octs L] (tmnxFPNetIngQgPStDrpHPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioPkts [Fp Net Ing Qg PSt Drp HPrio Pkts] (tmnxFPNetIngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpHPrioPktsH [Fp Net Ing Qg PSt Drp HPrio Pkts H] (tmnxFPNetIngQgPStDrpHPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpHPrioPktsL [Fp Net Ing Qg PSt Drp HPrio Pkts L] (tmnxFPNetIngQgPStDrpHPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpLPrioOcts [Fp Net Ing Qg PSt Drp LPrio Octs] (tmnxFPNetIngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStDrpLPrioOctsH [Fp Net Ing Qg PSt Drp LPrio Octs H] (tmnxFPNetIngQgPStDrpLPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioOctsL [Fp Net Ing Qg PSt Drp LPrio Octs L] (tmnxFPNetIngQgPStDrpLPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioPkts [Fp Net Ing Qg PSt Drp LPrio Pkts] (tmnxFPNetIngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpLPrioPktsH [Fp Net Ing Qg PSt Drp LPrio Pkts H] (tmnxFPNetIngQgPStDrpLPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.
fpNetIngQgPStDrpLPrioPktsL [Fp Net Ing Qg PSt Drp LPrio Pkts L] (tmnxFPNetIngQgPStDrpLPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.
fpNetIngQgPStFwdInProfOcts [Fp Net Ing Qg PSt Fwd In Prof Octs] (tmnxFPNetIngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfOctsH [Fp Net Ing Qg PSt Fwd In Prof Octs H] (tmnxFPNetIngQgPStFwdInProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.
fpNetIngQgPStFwdInProfOctsL [Fp Net Ing Qg PSt Fwd In Prof Octs L] (tmnxFPNetIngQgPStFwdInProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdInProfPkts [Fp Net Ing Qg PSt Fwd In Prof Pkts] (tmnxFPNetIngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfPktsH [Fp Net Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPNetIngQgPStFwdInProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdInProfPktsL [Fp Net Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPNetIngQgPStFwdInProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdOutProfOcts [Fp Net Ing Qg PSt Fwd Out Prof Octs] (tmnxFPNetIngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfOctsH [Fp Net Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPNetIngQgPStFwdOutProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.
fpNetIngQgPStFwdOutProfOctsL [Fp Net Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPNetIngQgPStFwdOutProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.
fpNetIngQgPStFwdOutProfPkts [Fp Net Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPNetIngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfPktsH [Fp Net Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPNetIngQgPStFwdOutProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdOutProfPktsL [Fp Net Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPNetIngQgPStFwdOutProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.
fpNetIngQgPStOffHPrioOcts [Fp Net Ing Qg PSt Off HPrio Octs] (tmnxFPNetIngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffHPrioOctsH [Fp Net Ing Qg PSt Off HPrio Octs H] (tmnxFPNetIngQgPStOffHPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioOctsL [Fp Net Ing Qg PSt Off HPrio Octs L] (tmnxFPNetIngQgPStOffHPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioPkts [Fp Net Ing Qg PSt Off HPrio Pkts] (tmnxFPNetIngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffHPrioPktsH [Fp Net Ing Qg PSt Off HPrio Pkts H] (tmnxFPNetIngQgPStOffHPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffHPrioPktsL [Fp Net Ing Qg PSt Off HPrio Pkts L] (tmnxFPNetIngQgPStOffHPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffLPrioOcts [Fp Net Ing Qg PSt Off LPrio Octs] (tmnxFPNetIngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStOffLPrioOctsH [Fp Net Ing Qg PSt Off LPrio Octs H] (tmnxFPNetIngQgPStOffLPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioOctsL [Fp Net Ing Qg PSt Off LPrio Octs L] (tmnxFPNetIngQgPStOffLPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioPkts [Fp Net Ing Qg PSt Off LPrio Pkts] (tmnxFPNetIngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffLPrioPktsH [Fp Net Ing Qg PSt Off LPrio Pkts H] (tmnxFPNetIngQgPStOffLPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.
fpNetIngQgPStOffLPrioPktsL [Fp Net Ing Qg PSt Off LPrio Pkts L] (tmnxFPNetIngQgPStOffLPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.
fpNetIngQgPStUncolOctsOff [Fp Net Ing Qg PSt Uncol Octs Off] (tmnxFPNetIngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpNetIngQgPStUncolOctsOffH [Fp Net Ing Qg PSt Uncol Octs Off H] (tmnxFPNetIngQgPStUncolOctsOffH)	long	The value of tmnxFPNetIngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPNetIngQgPStUncolOctsOff.
fpNetIngQgPStUncolOctsOffL [Fp Net Ing Qg PSt Uncol Octs Off L] (tmnxFPNetIngQgPStUncolOctsOffL)	long	The value of tmnxFPNetIngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolOctsOff.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStUncolPktsOff [Fp Net Ing Qg PSt Uncol Pkts Off] (tmnxFPNetIngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpNetIngQgPStUncolPktsOffH [Fp Net Ing Qg PSt Uncol Pkts Off H] (tmnxFPNetIngQgPStUncolPktsOffH)	long	The value of tmnxFPNetIngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
fpNetIngQgPStUncolPktsOffL [Fp Net Ing Qg PSt Uncol Pkts Off L] (tmnxFPNetIngQgPStUncolPktsOffL)	long	The value of tmnxFPNetIngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpEvpnRoutes [Bgp Evpn Routes] (vRtrFibStatBGPEvpnRoutes)	long	The value of vRtrFibStatBGPEvpnRoutes indicates the current IPv4 BGP EVPN route counts for the virtual router.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGPRoutes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISISRoutes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
v6bgpEvpnRoutes [V6 bgp Evpn Routes] (vRtrFibStatV6BGPEvpnRoutes)	long	The value of vRtrFibStatV6BGPEvpnRoutes indicates the current IPv6 BGP EVPN route counts for the virtual router.
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ForwardingPlaneResourceStats</p> <p>MIB entry name: tFResEntry</p> <p>Entry description: The value of tFResEntry represents forwarding plane (FP) specific system resource information.</p> <p>Table description (for tFResTable): The value of tFResTable represents system resource information that are specific to forwarding plane (FP) for a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.CardSlot • equipment.ForwardingPlane 		
dynEgrClassAlloc [Dyn Egr Class Alloc] (tFResDynEgrClassAlloc)	long	The value of tFResDynEgrClassAlloc represents the total number of QoS dynamic egress classification resources that are currently allocated on this FP.
dynEgrClassIUBNE [Dyn Egr Class IUBNE] (tFResDynEgrClassIUBNE)	long	The value of tFResDynEgrClassIUBNE represents the subset of resources which are currently in use by network egress QoS classification out of currently allocated QoS dynamic egress classification resources, tFResDynEgrClassAlloc. A network egress QoS classification resource is consumed whenever a network QoS policy has at least one egress DSCP or prec classification rule provisioned.
dynEgrClassIUBSE [Dyn Egr Class IUBSE] (tFResDynEgrClassIUBSE)	long	The value of tFResDynEgrClassIUBSE represents the subset of resources which are currently in use by sap-egress QoS policies out of currently allocated QoS dynamic egress classification resources, tFResDynEgrClassAlloc.
dynEgrClassTotal [Dyn Egr Class Total] (tFResDynEgrClassTotal)	long	The value of tFResDynEgrClassTotal represents the total number of QoS dynamic egress classification resources that are allowed to be in use on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynPolicerAlloc [Dyn Policer Alloc] (tFPResDynPolicerAlloc)	long	The value of tFPResDynPolicerAlloc represents the total number of dynamic policers that are currently allocated on this FP.
dynPolicerIUBE [Dyn Policer IUBE] (tFPResDynPolicerIUBE)	long	The value of tFPResDynPolicerIUBE represents the subset of resources which are currently in use by egress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerIUBI [Dyn Policer IUBI] (tFPResDynPolicerIUBI)	long	The value of tFPResDynPolicerIUBI represents the subset of resources which are currently in use by ingress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerStatAlloc [Dyn Policer Stat Alloc] (tFPResDynPolicerStatAlloc)	long	The value of tFPResDynPolicerStatAlloc represents the total number of dynamic policers stats that are currently allocated on this FP.
dynPolicerStatIUBE [Dyn Policer Stat IUBE] (tFPResDynPolicerStatIUBE)	long	The value of tFPResDynPolicerStatIUBE represents the subset of resources which are currently in use by egress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatIUBI [Dyn Policer Stat IUBI] (tFPResDynPolicerStatIUBI)	long	The value of tFPResDynPolicerStatIUBI represents the subset of resources which are currently in use by ingress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatTotal [Dyn Policer Stat Total] (tFPResDynPolicerStatTotal)	long	The value of tFPResDynPolicerStatTotal represents the total number of dynamic policer stats that are supported on this FP. When the value of tFPResDynPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
dynPolicerTotal [Dyn Policer Total] (tFPResDynPolicerTotal)	long	The value of tFPResDynPolicerTotal represents the total number of dynamic policer that are supported on this FP. When the value of tFPResDynPolicerTotal is zero, it indicates that this resource type is not supported on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQ2NamedPoolAlloc [Dyn Q2 Named Pool Alloc] (tFPResDynQ2NamedPoolAlloc)	long	The value of tFPResDynQ2NamedPoolAlloc represents the total number of dynamic Q2 named pools that are currently allocated on this FP.
dynQ2NamedPoolIUBE [Dyn Q2 Named Pool IUBE] (tFPResDynQ2NamedPoolIUBE)	long	The value of tFPResDynQ2NamedPoolIUBE represents the subset of resources which are currently in use by egress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolIUBI [Dyn Q2 Named Pool IUBI] (tFPResDynQ2NamedPoolIUBI)	long	The value of tFPResDynQ2NamedPoolIUBI represents the subset of resources which are currently in use by ingress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolTotal [Dyn Q2 Named Pool Total] (tFPResDynQ2NamedPoolTotal)	long	The value of tFPResDynQ2NamedPoolTotal represents the total number of dynamic Q2 named pools that are supported on this FP. When the value of tFPResDynQ2NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2WredPoolAlloc [Dyn Q2 Wred Pool Alloc] (tFPResDynQ2WredPoolAlloc)	long	The value of tFPResDynQ2WredPoolAlloc represents the total number of dynamic Q2 wred pools that are currently allocated on this FP.
dynQ2WredPoolTotal [Dyn Q2 Wred Pool Total] (tFPResDynQ2WredPoolTotal)	long	The value of tFPResDynQ2WredPoolTotal represents the total number of dynamic Q2 wred pools that are supported on this FP. When the value of tFPResDynQ2WredPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQueueAlloc [Dyn Queue Alloc] (tFPResDynQueueAlloc)	long	The value of tFPResDynQueueAlloc represents the total number of dynamic queues that are currently allocated on this FP.
dynQueueIUBE [Dyn Queue IUBE] (tFPResDynQueueIUBE)	long	The value of tFPResDynQueueIUBE represents the subset of resources which are currently in use by egress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQueueIUBI [Dyn Queue IUBI] (tFPResDynQueueIUBI)	long	The value of tFPResDynQueueIUBI represents the subset of resources which are currently in use by ingress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueTotal [Dyn Queue Total] (tFPResDynQueueTotal)	long	The value of tFPResDynQueueTotal represents the total number of dynamic queues that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
dynSvcEntryAlloc [Dyn Svc Entry Alloc] (tFPResDynSvcEntryAlloc)	long	The value of tFPResDynSvcEntryAlloc represents the total number of dynamic services that are currently allocated on this FP. The value of tFPResDynSvcEntryAlloc will always equal to the sum of tFPResSubHostAlloc, tFPResEncapGrpMemberAlloc and tFPResEgrNetQGrpMapAlloc since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
dynSvcEntryTotal [Dyn Svc Entry Total] (tFPResDynSvcEntryTotal)	long	The value of tFPResDynSvcEntryTotal represents the total number of dynamic services that are supported on this FP. When the value of tFPResDynSvcEntryTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResDynSvcEntryTotal will always equal to the sum of tFPResSubHostTotal, tFPResEncapGrpMemberTotal and tFPResEgrNetQGrpMapTotal since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
egrAclEntryAlloc [Egr Acl Entry Alloc] (tFPResEgrAclEntryAlloc)	long	The value of tFPResEgrAclEntryAlloc represents the total number of egress ACL CAM entries that are currently allocated on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAclEntryTotal [Egr Acl Entry Total] (tFPResEgrAclEntryTotal)	long	The value of tFPResEgrAclEntryTotal represents the total number of egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclFilterAlloc [Egr Acl Filter Alloc] (tFPResEgrAclFilterAlloc)	long	The value of tFPResEgrAclFilterAlloc represents the total number of egress ACL filters entries that are currently allocated on this FP.
egrAclFilterTotal [Egr Acl Filter Total] (tFPResEgrAclFilterTotal)	long	The value of tFPResEgrAclFilterTotal represents the total number of egress ACL filters entries that are supported on this FP. When the value of tFPResEgrAclFilterTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclQosEntryAlloc [Egr Acl Qos Entry Alloc] (tFPResEgrAclQosEntryAlloc)	long	The value of tFPResEgrAclQosEntryAlloc represents the total number of combined egress ACL and QoS CAM entries that are currently allocated on this FP.
egrAclQosEntryTotal [Egr Acl Qos Entry Total] (tFPResEgrAclQosEntryTotal)	long	The value of tFPResEgrAclQosEntryTotal represents the total number of combined egress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResEgrAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6AclEntryAlloc [Egr IPv 6 Acl Entry Alloc] (tFPResEgrIPv6AclEntryAlloc)	long	The value of tFPResEgrIPv6AclEntryAlloc represents the total number of IPv6 egress ACL CAM entries that are currently allocated on this FP.
egrIPv6AclEntryTotal [Egr IPv 6 Acl Entry Total] (tFPResEgrIPv6AclEntryTotal)	long	The value of tFPResEgrIPv6AclEntryTotal represents the total number of IPv6 egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6QosEntryAlloc [Egr IPv 6 Qos Entry Alloc] (tFPResEgrIPv6QosEntryAlloc)	long	The value of tFPResEgrIPv6QosEntryAlloc represents the total number of IPv6 egress QoS CAM entries that are currently allocated on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrIPv6QosEntryTotal [Egr IPv 6 Qos Entry Total] (tFPResEgrIPv6QosEntryTotal)	long	The value of tFPResEgrIPv6QosEntryTotal represents the total number of IPv6 egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrNetQGrpMapAlloc [Egr Net QGrp Map Alloc] (tFPResEgrNetQGrpMapAlloc)	long	The value of tFPResEgrNetQGrpMapAlloc represents the total number of egress network queue-group mappings that are currently allocated on this FP. The value of tFPResEgrNetQGrpMapAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since egress network queue-group mappings are subset of dynamic service entry resources.
egrNetQGrpMapTotal [Egr Net QGrp Map Total] (tFPResEgrNetQGrpMapTotal)	long	The value of tFPResEgrNetQGrpMapTotal represents the total number of egress network queue-group mappings that are supported on this FP. When the value of tFPResEgrNetQGrpMapTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEgrNetQGrpMapTotal will always be less than or equal to tFPResDynSvcEntryTotal since egress network queue-group mappings are subset of dynamic service entry resources.
egrPolicerAlloc [Egr Policer Alloc] (tFPResEgrPolicerAlloc)	long	The value of tFPResEgrPolicerAlloc represents the total number of egress policers that are currently allocated on this FP.
egrPolicerStatAlloc [Egr Policer Stat Alloc] (tFPResEgrPolicerStatAlloc)	long	The value of tFPResEgrPolicerStatAlloc represents the total number of egress policer stats that are currently allocated on this FP.
egrPolicerStatTotal [Egr Policer Stat Total] (tFPResEgrPolicerStatTotal)	long	The value of tFPResEgrPolicerStatTotal represents the total number of egress policer stats that are supported on this FP. When the value of tFPResEgrPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrPolicerTotal [Egr Policer Total] (tFPResEgrPolicerTotal)	long	The value of tFPResEgrPolicerTotal represents the total number of egress policers that are supported on this FP. When the value of tFPResEgrPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
egrQ1NamedPoolAlloc [Egr Q1 Named Pool Alloc] (tFPResEgrQ1NamedPoolAlloc)	long	The value of tFPResEgrQ1NamedPoolAlloc represents the total number of egress Q1 named pools that are currently allocated on this FP.
egrQ1NamedPoolTotal [Egr Q1 Named Pool Total] (tFPResEgrQ1NamedPoolTotal)	long	The value of tFPResEgrQ1NamedPoolTotal represents the total number of egress Q1 named pools that are supported on this FP. When the value of tFPResEgrQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
egrQosEntryAlloc [Egr Qos Entry Alloc] (tFPResEgrQosEntryAlloc)	long	The value of tFPResEgrQosEntryAlloc represents the total number of egress QoS CAM entries that are currently allocated on this FP.
egrQosEntryTotal [Egr Qos Entry Total] (tFPResEgrQosEntryTotal)	long	The value of tFPResEgrQosEntryTotal represents the total number of egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrQueueAlloc [Egr Queue Alloc] (tFPResEgrQueueAlloc)	long	The value of tFPResEgrQueueAlloc represents the total number of egress queues that are currently allocated on this FP.
egrQueueTotal [Egr Queue Total] (tFPResEgrQueueTotal)	long	The value of tFPResEgrQueueTotal represents the total number of egress queues that are supported on this FP. When the value of tFPResEgrQueueTotal is zero, it indicates that this resource type is not supported on this FP.
egrRootArbiterAlloc [Egr Root Arbiter Alloc] (tFPResEgrRootArbiterAlloc)	long	The value of tFPResEgrRootArbiterAlloc represents the total number of egress root arbiters that are currently allocated on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrRootArbiterTotal [Egr Root Arbiter Total] (tFPResEgrRootArbiterTotal)	long	The value of tFPResEgrRootArbiterTotal represents the total number of egress root arbiters that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
encapGrpMemberAlloc [Encap Grp Member Alloc] (tFPResEncapGrpMemberAlloc)	long	The value of tFPResEncapGrpMemberAlloc represents the total number of encap group members that are currently allocated on this FP. The value of tFPResEncapGrpMemberAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since encap group members are subset of dynamic service entry resources.
encapGrpMemberTotal [Encap Grp Member Total] (tFPResEncapGrpMemberTotal)	long	The value of tFPResEncapGrpMemberTotal represents the total number of encap group members that are supported on this FP. When the value of tFPResEncapGrpMemberTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEncapGrpMemberTotal will always be less than or equal to tFPResDynSvcEntryTotal since encap group members are subset of dynamic service entry resources.
ingAclEntryAlloc [Ing Acl Entry Alloc] (tFPResIngAclEntryAlloc)	long	The value of tFPResIngAclEntryAlloc represents the total number of ingress ACL CAM entries that are currently allocated on this FP.
ingAclEntryTotal [Ing Acl Entry Total] (tFPResIngAclEntryTotal)	long	The value of tFPResIngAclEntryTotal represents the total number of ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclFilterAlloc [Ing Acl Filter Alloc] (tFPResIngAclFilterAlloc)	long	The value of tFPResIngAclFilterAlloc represents the total number of ingress ACL filters entries that are currently allocated on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingAclFilterTotal [Ing Acl Filter Total] (tFPResIngAclFilterTotal)	long	The value of tFPResIngAclFilterTotal represents the total number of ingress ACL filters entries that are supported on this FP. When the value of tFPResIngAclFilterTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclQosEntryAlloc [Ing Acl Qos Entry Alloc] (tFPResIngAclQosEntryAlloc)	long	The value of tFPResIngAclQosEntryAlloc represents the total number of combined ingress ACL and QoS CAM entries that are currently allocated on this FP.
ingAclQosEntryTotal [Ing Acl Qos Entry Total] (tFPResIngAclQosEntryTotal)	long	The value of tFPResIngAclQosEntryTotal represents the total number of combined ingress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResIngAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6AclEntryAlloc [Ing IPv 6 Acl Entry Alloc] (tFPResIngIPv6AclEntryAlloc)	long	The value of tFPResIngIPv6AclEntryAlloc represents the total number of IPv6 ingress ACL CAM entries that are currently allocated on this FP.
ingIPv6AclEntryTotal [Ing IPv 6 Acl Entry Total] (tFPResIngIPv6AclEntryTotal)	long	The value of tFPResIngIPv6AclEntryTotal represents the total number of IPv6 ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6QosEntryAlloc [Ing IPv 6 Qos Entry Alloc] (tFPResIngIPv6QosEntryAlloc)	long	The value of tFPResIngIPv6QosEntryAlloc represents the total number of IPv6 ingress QoS CAM entries that are currently allocated on this FP.
ingIPv6QosEntryTotal [Ing IPv 6 Qos Entry Total] (tFPResIngIPv6QosEntryTotal)	long	The value of tFPResIngIPv6QosEntryTotal represents the total number of IPv6 ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPolicerAlloc [Ing Policer Alloc] (tFPResIngPolicerAlloc)	long	The value of tFPResIngPolicerAlloc represents the total number of ingress policers that are currently allocated on this FP.
ingPolicerStatAlloc [Ing Policer Stat Alloc] (tFPResIngPolicerStatAlloc)	long	The value of tFPResIngPolicerStatAlloc represents the total number of ingress policer stats that are currently allocated on this FP.
ingPolicerStatTotal [Ing Policer Stat Total] (tFPResIngPolicerStatTotal)	long	The value of tFPResIngPolicerStatTotal represents the total number of ingress policer stats that are supported on this FP. When the value of tFPResIngPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerTotal [Ing Policer Total] (tFPResIngPolicerTotal)	long	The value of tFPResIngPolicerTotal represents the total number of ingress policers that are supported on this FP. When the value of tFPResIngPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
ingQ1NamedPoolAlloc [Ing Q1 Named Pool Alloc] (tFPResIngQ1NamedPoolAlloc)	long	The value of tFPResIngQ1NamedPoolAlloc represents the total number of ingress Q1 named pools that are currently allocated on this FP.
ingQ1NamedPoolTotal [Ing Q1 Named Pool Total] (tFPResIngQ1NamedPoolTotal)	long	The value of tFPResIngQ1NamedPoolTotal represents the total number of ingress Q1 named pools that are supported on this FP. When the value of tFPResIngQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
ingQosEntryAlloc [Ing Qos Entry Alloc] (tFPResIngQosEntryAlloc)	long	The value of tFPResIngQosEntryAlloc represents the total number of ingress QoS CAM entries that are currently allocated on this FP.
ingQosEntryTotal [Ing Qos Entry Total] (tFPResIngQosEntryTotal)	long	The value of tFPResIngQosEntryTotal represents the total number of ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQueueAlloc [Ing Queue Alloc] (tFPResIngQueueAlloc)	long	The value of tFPResIngQueueAlloc represents the total number of ingress queues that are currently allocated on this FP.
ingQueueTotal [Ing Queue Total] (tFPResIngQueueTotal)	long	The value of tFPResIngQueueTotal represents the total number of ingress queues that are supported on this FP. When the value of tFPResIngQueueTotal is zero, it indicates that this resource type is not supported on this FP.
ingRootArbiterAlloc [Ing Root Arbiter Alloc] (tFPResIngRootArbiterAlloc)	long	The value of tFPResIngRootArbiterAlloc represents the total number of ingress root arbiters that are currently allocated on this FP.
ingRootArbiterTotal [Ing Root Arbiter Total] (tFPResIngRootArbiterTotal)	long	The value of tFPResIngRootArbiterTotal represents the total number of ingress root arbiters that are supported on this FP. When the value of tFPResIngRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
intArbiterAlloc [Int Arbiter Alloc] (tFPResIntArbiterAlloc)	long	The value of tFPResIntArbiterAlloc represents the total number of intermediate arbiters that are currently allocated on this FP.
intArbiterTotal [Int Arbiter Total] (tFPResIntArbiterTotal)	long	The value of tFPResIntArbiterTotal represents the total number of intermediate arbiters that are supported on this FP. When the value of tFPResIntArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
macFdbRecAlloc [Mac Fdb Rec Alloc] (tFPResMacFdbRecAlloc)	long	The value of tFPResMacFdbRecAlloc represents the total number of MAC Forwarding Data-Base (FDB) records that are currently allocated on this FP.
macFdbRecTotal [Mac Fdb Rec Total] (tFPResMacFdbRecTotal)	long	The value of tFPResMacFdbRecTotal represents the total number of MAC Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResMacFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
resRvplsFdbRecAlloc [Res Rvpls Fdb Rec Alloc] (tFPResResRvplsFdbRecAlloc)	long	The value of tFPResResRvplsFdbRecAlloc represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are currently allocated on this FP.
resRvplsFdbRecTotal [Res Rvpls Fdb Rec Total] (tFPResResRvplsFdbRecTotal)	long	The value of tFPResResRvplsFdbRecTotal represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResResRvplsFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tFPResSapIngQosPolAlloc)	long	The value of tFPResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently allocated on this FP.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tFPResSapIngQosPolTotal)	long	The value of tFPResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be in use on this FP.
subHostAlloc [Sub Host Alloc] (tFPResSubHostAlloc)	long	The value of tFPResSubHostAlloc represents the total number of subscriber hosts that are currently allocated on this FP. The value of tFPResSubHostAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since subscriber host resources are subset of dynamic service entry resources.
subHostTotal [Sub Host Total] (tFPResSubHostTotal)	long	The value of tFPResSubHostTotal represents the total number of subscriber hosts that are supported on this FP. When the value of tFPResSubHostTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResSubHostTotal will always be less than or equal to tFPResDynSvcEntryTotal since subscriber host resources are subset of dynamic service entry resources.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FpDynamicEnforcementPlcrStat</p> <p>MIB entry name: tmnxFpDcpDynEnfrcPlcrStatEntry</p> <p>Entry description: The value of tmnxFpDcpDynEnfrcPlcrStatEntry represents statistics information per forwarding plane for the dynamic enforcement policer.</p> <p>Table description (for tmnxFpDcpDynEnfrcPlcrStatTable): The tmnxFpDcpDynEnfrcPlcrStatTable has the statistics information of the dynamic enforcement policer per forwarding plane.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.ForwardingPlane</p>		
allocFailCount [Alloc Fail Count] (tmnxFpDcpDynPlcrAllocFailCount)	long	The value of tmnxFpDcpDynPlcrAllocFailCount indicated the number of times the system failed to allocate dynamic enforcement policers.
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
hiWtrMrkHitCnt [Hi Wtr Mrk Hit Cnt] (tmnxFpDcpDynPlcrHiWtrMrkHitCnt)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkHitCnt indicates the maximum number of dynamic enforcement policers in use at any point of time.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hiWtrMrkTime [Hi Wtr Mrk Time] (tmnxFpDcpDynPlcrHiWtrMrkTime)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkTime indicates the time at which maximum number of dynamic enforcement policers was hit.
inUse [In Use] (tmnxFpDcpDynPlcrInUse)	long	The value of tmnxFpDcpDynPlcrInUse indicated the number of dynamic enforcement policers currently in use by the system.
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPoli- cyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
<p>LaneDDMStats MIB entry name: tmnxDDMLaneEntry Entry description: Each row represents a particular CFP/CFP2/QSFP that supports Digital Diagnostic Monitoring Lanes. Entries are created and deleted internally by the system. Table description (for tmnxDDMLaneTable): The tmnxDDMLaneTable has an entry for each CFP/CFP2/QSFP in the system that supports Lane Digital Diagnostic Monitoring (DDM). The table is indexed by tmnxPortPortID and tmnxDDMLaneId. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable CFP/CFP2/QSFP components. Supports realtime plotting Supports scheduled collection Monitored class: equipment.LaneDDM</p>		
rxOpticalPower [Rx Optical Power] (tmnxDDMLaneRxOpticalPower)	float	The value of tmnxDDMLaneRxOpticalPower indicates the current Received Optical Power of the CFP/CFP2/QSFP in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMLaneRxOpticalPowerType)	int	The value of tmnxDDMLaneRxOpticalPowerType indicates whether the tmnxDDMLaneRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMLaneTemperature)	float	The value of tmnxDDMLaneTemperature indicates the current temperature of the CFP/CFP2/QSFP in 1/256th degrees Celsius. The formula for translating between the value of tmnxDDMLaneTemperature and degrees Celsius is: $\text{tmnxDDMLaneTemperature} / 256$ For example: The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMLaneTxBiasCurrent)	float	The value of tmnxDDMLaneTxBiasCurrent indicates the current Transmit Bias Current of the CFP/CFP2/QSFP in 1/500 milliamperes (mA). The formula for translating between the value of tmnxDDMLaneTxBiasCurrent and amperes is: $\text{tmnxDDMLaneTxBiasCurrent} / 500$ For example: The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMLaneTxOutputPower)	float	The value of tmnxDDMLaneTxOutputPower indicates the current Output Power of the CFP/CFP2/QSFP in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
MDAResourceStats MIB entry name: tMDAResEntry Entry description: The value of tMDAResEntry represents MDA specific system resource information. Table description (for tMDAResTable): The value of tMDAResTable represents system resource information that are specific to MDA for a particular card on a given chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
egrHsmdaQGrpAlloc [Egr Hsmda QGrp Alloc] (tMDAResEgrHsmdaQGrpAlloc)	long	The value of tMDAResEgrHsmdaQGrpAlloc represents the total number of egress HSMDA queue-groups that are currently allocated on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrHsmdaQGrpTotal [Egr Hsmda QGrp Total] (tMDAResEgrHsmdaQGrpTotal)	long	The value of tMDAResEgrHsmdaQGrpTotal represents the total number of egress HSMDA queue-groups that are supported on this MDA. When the value of tMDAResEgrHsmdaQGrpTotal is zero, it indicates that this resource type is not supported on this MDA.
egrHsmdaSecShaperAlloc [Egr Hsmda Sec Shaper Alloc] (tMDAResEgrHsmdaSecShaperAlloc)	long	The value of tMDAResEgrHsmdaSecShaperAlloc represents the total number of egress HSMDA secondary-shapers that are currently allocated on this MDA.
egrHsmdaSecShaperTotal [Egr Hsmda Sec Shaper Total] (tMDAResEgrHsmdaSecShaperTotal)	long	The value of tMDAResEgrHsmdaSecShaperTotal represents the total number of egress HSMDA secondary-shapers that are supported on this MDA. When the value of tMDAResEgrHsmdaSecShaperTotal is zero, it indicates that this resource type is not supported on this MDA.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHighCapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUCastHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MemoryUtilizationStats</p> <p>MIB entry name: tmnxCardMemResMonitorEntry</p> <p>Entry description: The tmnxCardMemResMonitorEntry contains the card's memory usage statistics.</p> <p>Table description (for tmnxCardMemResMonitorTable): The tmnxCardMemResMonitorTable details the specified current card's memory resources. The information described in this table is volatile and dependent on the current environmental conditions. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
memoryAvailable [Memory Available] (tmnxCardMemResMemoryAvailable)	long	The value of tmnxCardMemResMemoryAvailable indicates the amount of free memory, in kilobytes, in the card that is not allocated to memory pools, but is available in case a memory pool needs to grow.
memoryUsed [Memory Used] (tmnxCardMemResMemoryUsed)	long	The value of tmnxCardMemResMemoryUsed indicates the total pre-allocated pool memory, in kilobytes, currently in use on the card.
poolsAllocated [Pools Allocated] (tmnxCardMemResPoolsAllocated)	long	The value of tmnxCardMemResPoolsAllocated indicates the total memory, in kilobytes, currently allocated in memory-pools on the card. This memory may or may not be currently in use, but is pre-allocated should the software need to use it.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipMdaStats</p> <p>MIB entry name: tmnxSubMgmtMdaStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a MDA on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtMdaStatsTable): The tmnxSubMgmtMdaStatsTable has an entry with statistics for each MDA on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DaughterCard</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtMdaSSubscribers)	long	The value of tmnxSubMgmtMdaSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtMdaSSubscribersPeak)	long	The value of tmnxSubMgmtMdaSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtMdaSIpoeHosts)	long	The value of tmnxSubMgmtMdaSIpoeHosts indicates the number of current IPOE hosts on this MDA.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtMdaSIpoeHostsPeak)	long	The value of tmnxSubMgmtMdaSIpoeHostsPeak indicates the peak number of IPOE hosts on this MDA.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtMdaSV4)	long	The value of tmnxSubMgmtMdaSV4 indicates the number of current V4 hosts on this MDA.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtMdaSV4Peak)	long	The value of tmnxSubMgmtMdaSV4Peak indicates the peak number of V4 hosts on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtMdaSArp)	long	The value of tmnxSubMgmtMdaSArp indicates the number of current IPOE hosts (ARP) on this MDA.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtMdaSArpPeak)	long	The value of tmnxSubMgmtMdaSArpPeak indicates the peak number of IPOE hosts (ARP) on this MDA.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtMdaSDhcp)	long	The value of tmnxSubMgmtMdaSDhcp indicates the number of current IPOE hosts (DHCP) on this MDA.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtMdaSDhcpPeak)	long	The value of tmnxSubMgmtMdaSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this MDA.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtMdaSIpcp)	long	The value of tmnxSubMgmtMdaSIpcp indicates the number of current PPP hosts (IPCP) on this MDA.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtMdaSIpcpPeak)	long	The value of tmnxSubMgmtMdaSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this MDA.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtMdaSL2tpHost)	long	The value of tmnxSubMgmtMdaSL2tpHost indicates the number of current PPP hosts (L2TP) on this MDA.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtMdaSL2tpHostPeak)	long	The value of tmnxSubMgmtMdaSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this MDA.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtMdaSNonSub)	long	The value of tmnxSubMgmtMdaSNonSub indicates the number of current Non Sub hosts on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtMdaSNonSubPeak)	long	The value of tmnxSubMgmtMdaSNonSubPeak indicates the peak number of Non Sub hosts on this MDA.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtMdaSStatic)	long	The value of tmnxSubMgmtMdaSStatic indicates the number of current IPOE hosts (Static) on this MDA.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtMdaSStaticPeak)	long	The value of tmnxSubMgmtMdaSStaticPeak indicates the peak number of IPOE hosts (Static) on this MDA.
ipv6IpoE Dhcp 6 Na Hosts [Ipv 6 IpoE Dhcp 6 Na Hosts] (tmnxSubMgmtMdaSIpoE Dhcp 6 Na)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp 6 Na indicates the number of current IPOE hosts (DHCP6 NA) on this MDA.
ipv6IpoE Dhcp 6 Na Hosts Peak [Ipv 6 IpoE Dhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSIpoE Dhcp 6 Na Peak)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp 6 Na Peak indicates the peak number of IPOE hosts (DHCP6 NA) on this MDA.
ipv6IpoE Dhcp 6 Pd Hosts [Ipv 6 IpoE Dhcp 6 Pd Hosts] (tmnxSubMgmtMdaSIpoE Dhcp 6 Pd)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp 6 Pd indicates the number of current IPOE hosts (DHCP6 PD) on this MDA.
ipv6IpoE Dhcp 6 Pd Hosts Peak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSIpoE Dhcp 6 Pd Peak)	long	The value of tmnxSubMgmtMdaSIpoE Dhcp 6 Pd Peak indicates the peak number of IPOE hosts (DHCP6 PD) on this MDA.
ipv6IpoE Slaac Hosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtMdaSIpoE Slaac)	long	The value of tmnxSubMgmtMdaSIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this MDA.
ipv6IpoE Slaac Hosts Peak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtMdaSIpoE Slaac Peak)	long	The value of tmnxSubMgmtMdaSIpoE Slaac Peak indicates the peak number of IPOE hosts (SLAAC) on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtMdaSPppDhcp6Na)	long	The value of tmnxSubMgmtMdaSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this MDA.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtMdaSPppDhcp6Pd)	long	The value of tmnxSubMgmtMdaSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this MDA.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtMdaSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtMdaSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this MDA.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtMdaSPppSlaac)	long	The value of tmnxSubMgmtMdaSPppSlaac indicates the number of current PPP hosts (SLAAC) on this MDA.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtMdaSPppSlaacPeak)	long	The value of tmnxSubMgmtMdaSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this MDA.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtMdaSV6)	long	The value of tmnxSubMgmtMdaSV6 indicates the number of current V6 hosts on this MDA.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtMdaSV6Peak)	long	The value of tmnxSubMgmtMdaSV6Peak indicates the peak number of V6 hosts on this MDA.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtMdaSTotal)	long	The value of tmnxSubMgmtMdaSTotal indicates the number of current total hosts on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtMdaSTotalPeak)	long	The value of tmnxSubMgmtMdaSTotalPeak indicates the peak number of total hosts on this MDA.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtMdaSPppHosts)	long	The value of tmnxSubMgmtMdaSPppHosts indicates the number of current PPP hosts on this MDA.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtMdaSPppHostsPeak)	long	The value of tmnxSubMgmtMdaSPppHostsPeak indicates the peak number of PPP hosts on this MDA.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtMdaSPppLacL2tp)	long	The value of tmnxSubMgmtMdaSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLacL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this MDA.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtMdaSPppLacOA)	long	The value of tmnxSubMgmtMdaSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtMdaSPppLacOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this MDA.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtMdaSPppLacOEOA)	long	The value of tmnxSubMgmtMdaSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtMdaSPppLacOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtMdaSPppLacOE)	long	The value of tmnxSubMgmtMdaSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtMdaSPppLacOEPeak)	long	The value of tmnxSubMgmtMdaSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this MDA.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtMdaSPppLclL2tp)	long	The value of tmnxSubMgmtMdaSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtMdaSPppLclL2tpPeak)	long	The value of tmnxSubMgmtMdaSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this MDA.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtMdaSPppLclOA)	long	The value of tmnxSubMgmtMdaSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtMdaSPppLclOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this MDA.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtMdaSPppLclOEOA)	long	The value of tmnxSubMgmtMdaSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtMdaSPppLclOEOAPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this MDA.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtMdaSPppLclOE)	long	The value of tmnxSubMgmtMdaSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtMdaSPppLclOEPeak)	long	The value of tmnxSubMgmtMdaSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this MDA.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtMdaSPppLclTotal)	long	The value of tmnxSubMgmtMdaSPppLclTotal indicates the total number of current locally terminated PPP sessions on this MDA.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtMdaSPppLclTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this MDA.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtMdaSPppSessIs)	long	The value of tmnxSubMgmtMdaSPppSessIs indicates the number of current PPP sessions in setup on this MDA.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtMdaSPppSessIsPeak)	long	The value of tmnxSubMgmtMdaSPppSessIsPeak indicates the peak number of PPP sessions in setup on this MDA.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtMdaSPppSessTotal)	long	The value of tmnxSubMgmtMdaSPppSessTotal indicates the total number of current PPP sessions established on this MDA.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtMdaSPppSessTotalPeak)	long	The value of tmnxSubMgmtMdaSPppSessTotalPeak indicates the total peak number of PPP sessions established on this MDA.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtMdaSPppLacTotal)	long	The value of tmnxSubMgmtMdaSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this MDA.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtMdaSPppLacTotalPeak)	long	The value of tmnxSubMgmtMdaSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this MDA.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscrHostEquipPortStats</p> <p>MIB entry name: tmnxSubMgmtPortStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a port on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtPortStatsTable): The tmnxSubMgmtPortStatsTable has an entry with statistics for each port on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface • pxc.PortCrossConnectSubPort 		
cardPortId [Card Port Id] (tmnxSubMgmtPortId)	long	tmnxSubMgmtPortId is an index into this table. It maps this port to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtPortSSubscribers)	long	The value of tmnxSubMgmtPortSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPortSSubscribersPeak)	long	The value of tmnxSubMgmtPortSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPortSIpoeHosts)	long	The value of tmnxSubMgmtPortSIpoeHosts indicates the number of current IPOE hosts on this port.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPortSIpoeHostsPeak)	long	The value of tmnxSubMgmtPortSIpoeHostsPeak indicates the peak number of IPOE hosts on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPortSV4)	long	The value of tmnxSubMgmtPortSV4 indicates the number of current V4 hosts on this port.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPortSV4Peak)	long	The value of tmnxSubMgmtPortSV4Peak indicates the peak number of V4 hosts on this port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPortSArp)	long	The value of tmnxSubMgmtPortSArp indicates the number of current IPOE hosts (ARP) on this port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPortSArpPeak)	long	The value of tmnxSubMgmtPortSArpPeak indicates the peak number of IPOE hosts (ARP) on this port.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPortSDhcp)	long	The value of tmnxSubMgmtPortSDhcp indicates the number of current IPOE hosts (DHCP) on this port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPortSDhcpPeak)	long	The value of tmnxSubMgmtPortSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this port.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPortSIpcp)	long	The value of tmnxSubMgmtPortSIpcp indicates the number of current PPP hosts (IPCP) on this port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPortSIpcpPeak)	long	The value of tmnxSubMgmtPortSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPortSL2tpHost)	long	The value of tmnxSubMgmtPortSL2tpHost indicates the number of current PPP hosts (L2TP) on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPortSL2tpHostPeak)	long	The value of tmnxSubMgmtPortSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPortSNonSub)	long	The value of tmnxSubMgmtPortSNonSub indicates the number of current Non Sub hosts on this port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPortSNonSubPeak)	long	The value of tmnxSubMgmtPortSNonSubPeak indicates the peak number of Non Sub hosts on this port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPortSStatic)	long	The value of tmnxSubMgmtPortSStatic indicates the number of current IPOE hosts (Static) on this port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPortSStaticPeak)	long	The value of tmnxSubMgmtPortSStaticPeak indicates the peak number of IPOE hosts (Static) on this port.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtPortSIpoedhcp6Na)	long	The value of tmnxSubMgmtPortSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this port.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this port.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtPortSIpoedhcp6Pd)	long	The value of tmnxSubMgmtPortSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this port.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtPortSIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEslaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtPortSIpoEslaac)	long	The value of tmnxSubMgmtPortSIpoEslaac indicates the number of current IPOE hosts (SLAAC) on this port.
ipv6IpoEslaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPortSIpoEslaacPeak)	long	The value of tmnxSubMgmtPortSIpoEslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPortSPppDhcp6NaPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this port.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPortSPppDhcp6PdPeak)	long	The value of tmnxSubMgmtPortSPppDhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this port.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPortSPppSlaac)	long	The value of tmnxSubMgmtPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPortSPppSlaacPeak)	long	The value of tmnxSubMgmtPortSPppSlaacPeak indicates the peak number of PPP hosts (SLAAC) on this port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPortSV6)	long	The value of tmnxSubMgmtPortSV6 indicates the number of current V6 hosts on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPortSV6Peak)	long	The value of tmnxSubMgmtPortSV6Peak indicates the peak number of V6 hosts on this port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPortSTotal)	long	The value of tmnxSubMgmtPortSTotal indicates the number of current total hosts on this port.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPortSTotalPeak)	long	The value of tmnxSubMgmtPortSTotalPeak indicates the peak number of total hosts on this port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPortSPppHosts)	long	The value of tmnxSubMgmtPortSPppHosts indicates the number of current PPP hosts on this port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPortSPppHostsPeak)	long	The value of tmnxSubMgmtPortSPppHostsPeak indicates the peak number of PPP hosts on this port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPortSPppLacL2tp)	long	The value of tmnxSubMgmtPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPortSPppLacL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPortSPppLacOA)	long	The value of tmnxSubMgmtPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPortSPppLacOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPortSPppLacOEOA)	long	The value of tmnxSubMgmtPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPortSPppLacOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this port.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPortSPppLacOE)	long	The value of tmnxSubMgmtPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPortSPppLacOEPeak)	long	The value of tmnxSubMgmtPortSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPortSPppLclL2tp)	long	The value of tmnxSubMgmtPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPortSPppLclL2tpPeak)	long	The value of tmnxSubMgmtPortSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPortSPppLclOA)	long	The value of tmnxSubMgmtPortSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPortSPppLclOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPortSPppLclOEOA)	long	The value of tmnxSubMgmtPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPortSPppLclOEOAPeak)	long	The value of tmnxSubMgmtPortSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPortSPppLclOE)	long	The value of tmnxSubMgmtPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this port.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPortSPppLclOEPeak)	long	The value of tmnxSubMgmtPortSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPortSPppLclTotal)	long	The value of tmnxSubMgmtPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPortSPppLclTotalPeak)	long	The value of tmnxSubMgmtPortSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPortSPppSessIs)	long	The value of tmnxSubMgmtPortSPppSessIs indicates the number of current PPP sessions in setup on this port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPortSPppSessIsPeak)	long	The value of tmnxSubMgmtPortSPppSessIsPeak indicates the peak number of PPP sessions in setup on this port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPortSPppSessTotal)	long	The value of tmnxSubMgmtPortSPppSessTotal indicates the total number of current PPP sessions established on this port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPortSPppSessTotalPeak)	long	The value of tmnxSubMgmtPortSPppSessTotalPeak indicates the total peak number of PPP sessions established on this port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPortSPppLacTotal)	long	The value of tmnxSubMgmtPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPortSPppLacTotalPeak)	long	The value of tmnxSubMgmtPortSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this port.
<p>SubscrHostEquipPwPortStats MIB entry name: tmnxSubMgmtPwPortStatsEntry Entry description: Each conceptual row represents statistics for a PW-port on which subscriber hosts are allocated. Table description (for tmnxSubMgmtPwPortStatsTable): The tmnxSubMgmtPwPortStatsTable has an entry with statistics for each PW-port on which subscriber hosts are allocated. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PwPort</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtPwPortSSubscribers)	long	The value of tmnxSubMgmtPwPortSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtPwPortSSubscribersPk)	long	The value of tmnxSubMgmtPwPortSSubscribersPk indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtPwPortSIpoeHosts)	long	The value of tmnxSubMgmtPwPortSIpoeHosts indicates the number of current IPOE hosts on this PW-port.
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtPwPortSIpoeHostsPk)	long	The value of tmnxSubMgmtPwPortSIpoeHostsPk indicates the Pk number of IPOE hosts on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtPwPortSV4)	long	The value of tmnxSubMgmtPwPortSV4 indicates the number of current V4 hosts on this PW-port.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtPwPortSV4Pk)	long	The value of tmnxSubMgmtPwPortSV4Pk indicates the peak number of V4 hosts on this PW-port.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtPwPortSArp)	long	The value of tmnxSubMgmtPwPortSArp indicates the number of current IPOE hosts (ARP) on this PW-port.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtPwPortSArpPk)	long	The value of tmnxSubMgmtPwPortSArpPk indicates the peak number of IPOE hosts (ARP) on this PW-port.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtPwPortSDhcp)	long	The value of tmnxSubMgmtPwPortSDhcp indicates the number of current IPOE hosts (DHCP) on this PW-port.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtPwPortSDhcpPk)	long	The value of tmnxSubMgmtPwPortSDhcpPk indicates the peak number of IPOE hosts (DHCP) on this PW-port.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtPwPortSIpcp)	long	The value of tmnxSubMgmtPwPortSIpcp indicates the number of current PPP hosts (IPCP) on this PW-port.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtPwPortSIpcpPk)	long	The value of tmnxSubMgmtPwPortSIpcpPk indicates the peak number of PPP hosts (IPCP) on this PW-port.
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtPwPortSL2tpHost)	long	The value of tmnxSubMgmtPwPortSL2tpHost indicates the number of current PPP hosts (L2TP) on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtPwPortSL2tpHostPk)	long	The value of tmnxSubMgmtPwPortSL2tpHostPk indicates the peak number of PPP hosts (L2TP) on this PW-port.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtPwPortSNonSub)	long	The value of tmnxSubMgmtPwPortSNonSub indicates the number of current Non Sub hosts on this PW-port.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtPwPortSNonSubPk)	long	The value of tmnxSubMgmtPwPortSNonSubPk indicates the peak number of Non Sub hosts on this PW-port.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtPwPortSStatic)	long	The value of tmnxSubMgmtPwPortSStatic indicates the number of current IPOE hosts (Static) on this PW-port.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtPwPortSStaticPk)	long	The value of tmnxSubMgmtPwPortSStaticPk indicates the peak number of IPOE hosts (Static) on this PW-port.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtPwPortSIpoedhcp6Na)	long	The value of tmnxSubMgmtPwPortSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this PW-port.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtPwPortSIpoedhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSIpoedhcp6NaPk indicates the Pk number of IPOE hosts (DHCP6 NA) on this PW-port.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtPwPortSIpoedhcp6Pd)	long	The value of tmnxSubMgmtPwPortSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this PW-port.
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtPwPortSIpoedhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSIpoedhcp6PdPk indicates the Pk number of IPOE hosts (DHCP6 PD) on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoEslaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtPwPortSIpoEslaac)	long	The value of tmnxSubMgmtPwPortSIpoEslaac indicates the number of current IPOE hosts (SLAAC) on this PW-port.
ipv6IpoEslaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtPwPortSIpoEslaacPk)	long	The value of tmnxSubMgmtPwPortSIpoEslaacPk indicates the Pk number of IPOE hosts (SLAAC) on this PW-port.
ipv6PppDhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtPwPortSPppDhcp6Na)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this PW-port.
ipv6PppDhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtPwPortSPppDhcp6NaPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6NaPk indicates the Pk number of PPP hosts (DHCP6 NA) on this PW-port.
ipv6PppDhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtPwPortSPppDhcp6Pd)	long	The value of tmnxSubMgmtPwPortSPppDhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this PW-port.
ipv6PppDhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtPwPortSPppDhcp6PdPk)	long	The value of tmnxSubMgmtPwPortSPppDhcp6PdPk indicates the Pk number of PPP hosts (DHCP6 PD) on this PW-port.
ipv6PppSlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtPwPortSPppSlaac)	long	The value of tmnxSubMgmtPwPortSPppSlaac indicates the number of current PPP hosts (SLAAC) on this PW-port.
ipv6PppSlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtPwPortSPppSlaacPk)	long	The value of tmnxSubMgmtPwPortSPppSlaacPk indicates the Pk number of PPP hosts (SLAAC) on this PW-port.
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtPwPortSV6)	long	The value of tmnxSubMgmtPwPortSV6 indicates the number of current V6 hosts on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtPwPortSV6Pk)	long	The value of tmnxSubMgmtPwPortSV6Pk indicates the peak number of V6 hosts on this PW-port.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtPwPortSTotal)	long	The value of tmnxSubMgmtPwPortSTotal indicates the number of current total hosts on this PW-port.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtPwPortSTotalPk)	long	The value of tmnxSubMgmtPwPortSTotalPk indicates the peak number of total hosts on this PW-port.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtPwPortSPppHosts)	long	The value of tmnxSubMgmtPwPortSPppHosts indicates the number of current PPP hosts on this PW-port.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtPwPortSPppHostsPk)	long	The value of tmnxSubMgmtPwPortSPppHostsPk indicates the Pk number of PPP hosts on this PW-port.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtPwPortSPppLacL2tp)	long	The value of tmnxSubMgmtPwPortSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this PW-port.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtPwPortSPppLacL2tpPk)	long	The value of tmnxSubMgmtPwPortSPppLacL2tpPk indicates the Pk number of PPP sessions (L2TP LTS) tunneled over L2TP on this PW-port.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtPwPortSPppLacOA)	long	The value of tmnxSubMgmtPwPortSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this PW-port.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtPwPortSPppLacOAPk)	long	The value of tmnxSubMgmtPwPortSPppLacOAPk indicates the Pk number of PPP sessions (PPPoA) tunneled over L2TP on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtPwPortSPppLacOEOA)	long	The value of tmnxSubMgmtPwPortSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this PW-port.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtPwPortSPppLacOEOAPk)	long	The value of tmnxSubMgmtPwPortSPppLacOEOAPk indicates the Pk number of PPP sessions (PPPoEoA) tunneled over L2TP on this PW-port.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtPwPortSPppLacOE)	long	The value of tmnxSubMgmtPwPortSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this PW-port.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtPwPortSPppLacOEPk)	long	The value of tmnxSubMgmtPwPortSPppLacOEPk indicates the Pk number of PPP sessions (PPPoE) tunneled over L2TP on this PW-port.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtPwPortSPppLclL2tp)	long	The value of tmnxSubMgmtPwPortSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this PW-port.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtPwPortSPppLclL2tpPk)	long	The value of tmnxSubMgmtPwPortSPppLclL2tpPk indicates the Pk number of locally terminated PPP sessions (L2TP LNS) on this PW-port.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtPwPortSPppLclOA)	long	The value of tmnxSubMgmtPwPortSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this PW-port.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtPwPortSPppLclOAPk)	long	The value of tmnxSubMgmtPwPortSPppLclOAPk indicates the Pk number of locally terminated PPP sessions (PPPoA) on this PW-port.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtPwPortSPppLclOEOA)	long	The value of tmnxSubMgmtPwPortSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtPwPortSPppLclOEOAPk)	long	The value of tmnxSubMgmtPwPortSPppLclOEOAPk indicates the Pk number of locally terminated PPP sessions (PPPoEoA) on this PW-port.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtPwPortSPppLclOE)	long	The value of tmnxSubMgmtPwPortSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this PW-port.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtPwPortSPppLclOEPk)	long	The value of tmnxSubMgmtPwPortSPppLclOEPk indicates the Pk number of locally terminated PPP sessions (PPPoE) on this PW-port.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtPwPortSPppLclTotal)	long	The value of tmnxSubMgmtPwPortSPppLclTotal indicates the total number of current locally terminated PPP sessions on this PW-port.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtPwPortSPppLclTotalPk)	long	The value of tmnxSubMgmtPwPortSPppLclTotalPk indicates the total Pk number of locally terminated PPP sessions on this PW-port.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtPwPortSPppSessIs)	long	The value of tmnxSubMgmtPwPortSPppSessIs indicates the number of current PPP sessions in setup on this PW-port.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtPwPortSPppSessIsPk)	long	The value of tmnxSubMgmtPwPortSPppSessIsPk indicates the Pk number of PPP sessions in setup on this PW-port.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtPwPortSPppSessTotal)	long	The value of tmnxSubMgmtPwPortSPppSessTotal indicates the total number of current PPP sessions established on this PW-port.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtPwPortSPppSessTotalPk)	long	The value of tmnxSubMgmtPwPortSPppSessTotalPk indicates the total Pk number of PPP sessions established on this PW-port.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtPwPortSPppLacTotal)	long	The value of tmnxSubMgmtPwPortSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this PW-port.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtPwPortSPppLacTotalPk)	long	The value of tmnxSubMgmtPwPortSPppLacTotalPk indicates the total Pk number of PPP sessions tunneled over L2TP on this PW-port.
<p>SubscrHostEquipSlotStats MIB entry name: tmnxSubMgmtSlotStatsEntry Entry description: Each conceptual row represents statistics for a Slot on which subscriber hosts are allocated. Table description (for tmnxSubMgmtSlotStatsTable): The tmnxSubMgmtSlotStatsTable has an entry with statistics for each Slot on which subscriber hosts are allocated. Supports realtime plotting Supports scheduled collection Monitored class: equipment.BaseCard</p>		
cardSlotId [Card Slot Id] (tmnxSubMgmtSlotID)	long	tmnxSubMgmtSlotID is an index into this table. It maps this Slot to its entry in the mib-2 interfaces table.
currentSubscribers [Current Subscribers] (tmnxSubMgmtSlotSSubscribers)	long	The value of tmnxSubMgmtSlotSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSlotSSubscribersPeak)	long	The value of tmnxSubMgmtSlotSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSlotSlpoeHosts)	long	The value of tmnxSubMgmtSlotSlpoeHosts indicates the number of current IPOE hosts on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSlotSpoeHostsPeak)	long	The value of tmnxSubMgmtSlotSpoeHostsPeak indicates the peak number of IPOE hosts on this Slot.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSlotSV4)	long	The value of tmnxSubMgmtSlotSV4 indicates the number of current V4 hosts on this Slot.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSlotSV4Peak)	long	The value of tmnxSubMgmtSlotSV4Peak indicates the peak number of V4 hosts on this Slot.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSlotSArp)	long	The value of tmnxSubMgmtSlotSArp indicates the number of current IPOE hosts (ARP) on this Slot.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSlotSArpPeak)	long	The value of tmnxSubMgmtSlotSArpPeak indicates the peak number of IPOE hosts (ARP) on this Slot.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSlotSDhcp)	long	The value of tmnxSubMgmtSlotSDhcp indicates the number of current IPOE hosts (DHCP) on this Slot.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSlotSDhcpPeak)	long	The value of tmnxSubMgmtSlotSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this Slot.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSlotSIpcp)	long	The value of tmnxSubMgmtSlotSIpcp indicates the number of current PPP hosts (IPCP) on this Slot.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSlotSIpcpPeak)	long	The value of tmnxSubMgmtSlotSIpcpPeak indicates the peak number of PPP hosts (IPCP) on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSlotSL2tpHost)	long	The value of tmnxSubMgmtSlotSL2tpHost indicates the number of current PPP hosts (L2TP) on this Slot.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSlotSL2tpHostPeak)	long	The value of tmnxSubMgmtSlotSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this Slot.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSlotSNonSub)	long	The value of tmnxSubMgmtSlotSNonSub indicates the number of current Non Sub hosts on this Slot.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSlotSNonSubPeak)	long	The value of tmnxSubMgmtSlotSNonSubPeak indicates the peak number of Non Sub hosts on this Slot.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSlotSStatic)	long	The value of tmnxSubMgmtSlotSStatic indicates the number of current IPOE hosts (Static) on this Slot.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSlotSStaticPeak)	long	The value of tmnxSubMgmtSlotSStaticPeak indicates the peak number of IPOE hosts (Static) on this Slot.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSlotSIpoedhcp6Na)	long	The value of tmnxSubMgmtSlotSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this Slot.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this Slot.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSlotSIpoedhcp6Pd)	long	The value of tmnxSubMgmtSlotSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6IpoE Dhcp6PdHostsPeak [Ipv 6 IpoE Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotSIpoE Dhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSIpoE Dhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this Slot.
ipv6IpoE SlaacHosts [Ipv 6 IpoE Slaac Hosts] (tmnxSubMgmtSlotSIpoE Slaac)	long	The value of tmnxSubMgmtSlotSIpoE Slaac indicates the number of current IPOE hosts (SLAAC) on this Slot.
ipv6IpoE SlaacHostsPeak [Ipv 6 IpoE Slaac Hosts Peak] (tmnxSubMgmtSlotSIpoE SlaacPeak)	long	The value of tmnxSubMgmtSlotSIpoE SlaacPeak indicates the peak number of IPOE hosts (SLAAC) on this Slot.
ipv6Ppp Dhcp6NaHosts [Ipv 6 Ppp Dhcp 6 Na Hosts] (tmnxSubMgmtSlotSPpp Dhcp6Na)	long	The value of tmnxSubMgmtSlotSPpp Dhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this Slot.
ipv6Ppp Dhcp6NaHostsPeak [Ipv 6 Ppp Dhcp 6 Na Hosts Peak] (tmnxSubMgmtSlotSPpp Dhcp6NaPeak)	long	The value of tmnxSubMgmtSlotSPpp Dhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this Slot.
ipv6Ppp Dhcp6PdHosts [Ipv 6 Ppp Dhcp 6 Pd Hosts] (tmnxSubMgmtSlotSPpp Dhcp6Pd)	long	The value of tmnxSubMgmtSlotSPpp Dhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this Slot.
ipv6Ppp Dhcp6PdHostsPeak [Ipv 6 Ppp Dhcp 6 Pd Hosts Peak] (tmnxSubMgmtSlotSPpp Dhcp6PdPeak)	long	The value of tmnxSubMgmtSlotSPpp Dhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this Slot.
ipv6Ppp SlaacHosts [Ipv 6 Ppp Slaac Hosts] (tmnxSubMgmtSlotSPpp Slaac)	long	The value of tmnxSubMgmtSlotSPpp Slaac indicates the number of current PPP hosts (SLAAC) on this Slot.
ipv6Ppp SlaacHostsPeak [Ipv 6 Ppp Slaac Hosts Peak] (tmnxSubMgmtSlotSPpp SlaacPeak)	long	The value of tmnxSubMgmtSlotSPpp SlaacPeak indicates the peak number of PPP hosts (SLAAC) on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSlotSV6)	long	The value of tmnxSubMgmtSlotSV6 indicates the number of current V6 hosts on this Slot.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSlotSV6Peak)	long	The value of tmnxSubMgmtSlotSV6Peak indicates the peak number of V6 hosts on this Slot.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSlotSTotal)	long	The value of tmnxSubMgmtSlotSTotal indicates the number of current total hosts on this Slot.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSlotSTotalPeak)	long	The value of tmnxSubMgmtSlotSTotalPeak indicates the peak number of total hosts on this Slot.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSlotSPppHosts)	long	The value of tmnxSubMgmtSlotSPppHosts indicates the number of current PPP hosts on this Slot.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSlotSPppHostsPeak)	long	The value of tmnxSubMgmtSlotSPppHostsPeak indicates the peak number of PPP hosts on this Slot.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSlotSPppLacL2tp)	long	The value of tmnxSubMgmtSlotSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this Slot.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSlotSPppLacOA)	long	The value of tmnxSubMgmtSlotSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSlotSPppLacOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this Slot.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSlotSPppLacOEOA)	long	The value of tmnxSubMgmtSlotSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSlotSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this Slot.
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSlotSPppLacOE)	long	The value of tmnxSubMgmtSlotSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this Slot.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSlotSPppLacOEPeak)	long	The value of tmnxSubMgmtSlotSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this Slot.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSlotSPppLclL2tp)	long	The value of tmnxSubMgmtSlotSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSlotSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSlotSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this Slot.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSlotSPppLclOA)	long	The value of tmnxSubMgmtSlotSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this Slot.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSlotSPppLclOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSlotSPppLclOEOA)	long	The value of tmnxSubMgmtSlotSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSlotSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this Slot.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSlotSPppLclOE)	long	The value of tmnxSubMgmtSlotSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this Slot.
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSlotSPppLclOEPeak)	long	The value of tmnxSubMgmtSlotSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this Slot.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSlotSPppLclTotal)	long	The value of tmnxSubMgmtSlotSPppLclTotal indicates the total number of current locally terminated PPP sessions on this Slot.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSlotSPppLclTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this Slot.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSlotSPppSessIs)	long	The value of tmnxSubMgmtSlotSPppSessIs indicates the number of current PPP sessions in setup on this Slot.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSlotSPppSessIsPeak)	long	The value of tmnxSubMgmtSlotSPppSessIsPeak indicates the peak number of PPP sessions in setup on this Slot.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSlotSPppSessTotal)	long	The value of tmnxSubMgmtSlotSPppSessTotal indicates the total number of current PPP sessions established on this Slot.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSlotSPppSessTotalPeak)	long	The value of tmnxSubMgmtSlotSPppSessTotalPeak indicates the total peak number of PPP sessions established on this Slot.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSlotSPppLacTotal)	long	The value of tmnxSubMgmtSlotSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this Slot.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSlotSPppLacTotalPeak)	long	The value of tmnxSubMgmtSlotSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this Slot.
<p>SubscrHostEquipSystStats</p> <p>MIB entry name: tmnxSubMgmtSystStatsEntry</p> <p>Entry description: Each conceptual row represents statistics for a system on which subscriber hosts are allocated.</p> <p>Table description (for tmnxSubMgmtSystStatsTable): The tmnxSubMgmtSystStatsTable has an entry with statistics for each system on which subscriber hosts are allocated.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
currentSubscribers [Current Subscribers] (tmnxSubMgmtSystSSubscribers)	long	The value of tmnxSubMgmtSystSSubscribers indicates the number of current subscribers on this system.
currentSubscribersPeak [Current Subscribers Peak] (tmnxSubMgmtSystSSubscribersPeak)	long	The value of tmnxSubMgmtSystSSubscribersPeak indicates the peak number of subscribers on this system.
ipTotalHosts [Ip Total Hosts] (tmnxSubMgmtSystSIpoeHosts)	long	The value of tmnxSubMgmtSystSIpoeHosts indicates the number of current IPOE hosts on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipTotalHostsPeak [Ip Total Hosts Peak] (tmnxSubMgmtSystSpoeHostsPeak)	long	The value of tmnxSubMgmtSystSpoeHostsPeak indicates the peak number of IPOE hosts on this system.
ipTotalv4Hosts [Ip Totalv 4 Hosts] (tmnxSubMgmtSystSV4)	long	The value of tmnxSubMgmtSystSV4 indicates the number of current V4 hosts on this system.
ipTotalv4HostsPeak [Ip Totalv 4 Hosts Peak] (tmnxSubMgmtSystSV4Peak)	long	The value of tmnxSubMgmtSystSV4Peak indicates the peak number of V4 hosts on this system.
ipv4ArpHosts [Ipv 4 Arp Hosts] (tmnxSubMgmtSystSArp)	long	The value of tmnxSubMgmtSystSArp indicates the number of current IPOE hosts (ARP) on this system.
ipv4ArpHostsPeak [Ipv 4 Arp Hosts Peak] (tmnxSubMgmtSystSArpPeak)	long	The value of tmnxSubMgmtSystSArpPeak indicates the peak number of IPOE hosts (ARP) on this system.
ipv4DhcpHosts [Ipv 4 Dhcp Hosts] (tmnxSubMgmtSystSDhcp)	long	The value of tmnxSubMgmtSystSDhcp indicates the number of current IPOE hosts (DHCP) on this system.
ipv4DhcpHostsPeak [Ipv 4 Dhcp Hosts Peak] (tmnxSubMgmtSystSDhcpPeak)	long	The value of tmnxSubMgmtSystSDhcpPeak indicates the peak number of IPOE hosts (DHCP) on this system.
ipv4IpcpHosts [Ipv 4 Ipcp Hosts] (tmnxSubMgmtSystSlpcp)	long	The value of tmnxSubMgmtSystSlpcp indicates the number of current PPP hosts (IPCP) on this system.
ipv4IpcpHostsPeak [Ipv 4 Ipcp Hosts Peak] (tmnxSubMgmtSystSlpcpPeak)	long	The value of tmnxSubMgmtSystSlpcpPeak indicates the peak number of PPP hosts (IPCP) on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4L2tpHosts [Ipv 4 L2 tp Hosts] (tmnxSubMgmtSystSL2tpHost)	long	The value of tmnxSubMgmtSystSL2tpHost indicates the number of current PPP hosts (L2TP) on this system.
ipv4L2tpHostsPeak [Ipv 4 L2 tp Hosts Peak] (tmnxSubMgmtSystSL2tpHostPeak)	long	The value of tmnxSubMgmtSystSL2tpHostPeak indicates the peak number of PPP hosts (L2TP) on this system.
ipv4NonSubHosts [Ipv 4 Non Sub Hosts] (tmnxSubMgmtSystSNonSub)	long	The value of tmnxSubMgmtSystSNonSub indicates the number of current Non Sub hosts on this system.
ipv4NonSubHostsPeak [Ipv 4 Non Sub Hosts Peak] (tmnxSubMgmtSystSNonSubPeak)	long	The value of tmnxSubMgmtSystSNonSubPeak indicates the peak number of Non Sub hosts on this system.
ipv4StaticHosts [Ipv 4 Static Hosts] (tmnxSubMgmtSystSStatic)	long	The value of tmnxSubMgmtSystSStatic indicates the number of current IPOE hosts (Static) on this system.
ipv4StaticHostsPeak [Ipv 4 Static Hosts Peak] (tmnxSubMgmtSystSStaticPeak)	long	The value of tmnxSubMgmtSystSStaticPeak indicates the peak number of IPOE hosts (Static) on this system.
ipv6Ipoedhcp6NaHosts [Ipv 6 Ipoedhcp 6 Na Hosts] (tmnxSubMgmtSystSIpoedhcp6Na)	long	The value of tmnxSubMgmtSystSIpoedhcp6Na indicates the number of current IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6NaHostsPeak [Ipv 6 Ipoedhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSIpoedhcp6NaPeak)	long	The value of tmnxSubMgmtSystSIpoedhcp6NaPeak indicates the peak number of IPOE hosts (DHCP6 NA) on this system.
ipv6Ipoedhcp6PdHosts [Ipv 6 Ipoedhcp 6 Pd Hosts] (tmnxSubMgmtSystSIpoedhcp6Pd)	long	The value of tmnxSubMgmtSystSIpoedhcp6Pd indicates the number of current IPOE hosts (DHCP6 PD) on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6Ipoedhcp6PdHostsPeak [Ipv 6 Ipoedhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystIpoedhcp6PdPeak)	long	The value of tmnxSubMgmtSystIpoedhcp6PdPeak indicates the peak number of IPOE hosts (DHCP6 PD) on this system.
ipv6IpoeslaacHosts [Ipv 6 Ipoeslaac Hosts] (tmnxSubMgmtSystIpoeslaac)	long	The value of tmnxSubMgmtSystIpoeslaac indicates the number of current IPOE hosts (SLAAC) on this system.
ipv6IpoeslaacHostsPeak [Ipv 6 Ipoeslaac Hosts Peak] (tmnxSubMgmtSystIpoeslaacPeak)	long	The value of tmnxSubMgmtSystIpoeslaacPeak indicates the peak number of IPOE hosts (SLAAC) on this system.
ipv6Pppdhcp6NaHosts [Ipv 6 Pppdhcp 6 Na Hosts] (tmnxSubMgmtSystSpppdhcp6Na)	long	The value of tmnxSubMgmtSystSpppdhcp6Na indicates the number of current PPP hosts (DHCP6 NA) on this system.
ipv6Pppdhcp6NaHostsPeak [Ipv 6 Pppdhcp 6 Na Hosts Peak] (tmnxSubMgmtSystSpppdhcp6NaPeak)	long	The value of tmnxSubMgmtSystSpppdhcp6NaPeak indicates the peak number of PPP hosts (DHCP6 NA) on this system.
ipv6Pppdhcp6PdHosts [Ipv 6 Pppdhcp 6 Pd Hosts] (tmnxSubMgmtSystSpppdhcp6Pd)	long	The value of tmnxSubMgmtSystSpppdhcp6Pd indicates the number of current PPP hosts (DHCP6 PD) on this system.
ipv6Pppdhcp6PdHostsPeak [Ipv 6 Pppdhcp 6 Pd Hosts Peak] (tmnxSubMgmtSystSpppdhcp6PdPeak)	long	The value of tmnxSubMgmtSystSpppdhcp6PdPeak indicates the peak number of PPP hosts (DHCP6 PD) on this system.
ipv6PppslaacHosts [Ipv 6 Pppslaac Hosts] (tmnxSubMgmtSystSpppslaac)	long	The value of tmnxSubMgmtSystSpppslaac indicates the number of current PPP hosts (SLAAC) on this system.
ipv6PppslaacHostsPeak [Ipv 6 Pppslaac Hosts Peak] (tmnxSubMgmtSystSpppslaacPeak)	long	The value of tmnxSubMgmtSystSpppslaacPeak indicates the peak number of PPP hosts (SLAAC) on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6TotalHosts [Ipv 6 Total Hosts] (tmnxSubMgmtSystSV6)	long	The value of tmnxSubMgmtSystSV6 indicates the number of current V6 hosts on this system.
ipv6TotalHostsPeak [Ipv 6 Total Hosts Peak] (tmnxSubMgmtSystSV6Peak)	long	The value of tmnxSubMgmtSystSV6Peak indicates the peak number of V6 hosts on this system.
ipv6v4TotalHosts [Ipv 6 v 4 Total Hosts] (tmnxSubMgmtSystSTotal)	long	The value of tmnxSubMgmtSystSTotal indicates the number of current total hosts on this system.
ipv6v4TotalHostsPeak [Ipv 6 v 4 Total Hosts Peak] (tmnxSubMgmtSystSTotalPeak)	long	The value of tmnxSubMgmtSystSTotalPeak indicates the peak number of total hosts on this system.
l2tpTunOrig [L2 tp Tun Orig] (tmnxSubMgmtSystSL2tpTunOrig)	long	The value of tmnxSubMgmtSystSL2tpTunOrig indicates the number of current L2TP Tunnels (originator) on this system.
l2tpTunOrigPeak [L2 tp Tun Orig Peak] (tmnxSubMgmtSystSL2tpTunOrigPeak)	long	The value of tmnxSubMgmtSystSL2tpTunOrigPeak indicates the peak number of L2TP Tunnels (originator) on this system.
l2tpTunRecv [L2 tp Tun Recv] (tmnxSubMgmtSystSL2tpTunRecv)	long	The value of tmnxSubMgmtSystSL2tpTunRecv indicates the number of current L2TP Tunnels (receiver) on this system.
l2tpTunRecvPeak [L2 tp Tun Recv Peak] (tmnxSubMgmtSystSL2tpTunRecvPeak)	long	The value of tmnxSubMgmtSystSL2tpTunRecvPeak indicates the peak number of L2TP Tunnels (receiver) on this system.
l2tpTunTotal [L2 tp Tun Total] (tmnxSubMgmtSystSL2tpTunTotal)	long	The value of tmnxSubMgmtSystSL2tpTunTotal indicates the total number of current L2TP Tunnels on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
l2tpTunTotalPeak [L2 tp Tun Total Peak] (tmnxSubMgmtSystSL2tpTunTotalPeak)	long	The value of tmnxSubMgmtSystSL2tpTunTotalPeak indicates the peak total number of L2TP Tunnels on this system.
pppHostsTotal [Ppp Hosts Total] (tmnxSubMgmtSystSPppHosts)	long	The value of tmnxSubMgmtSystSPppHosts indicates the number of current PPP hosts on this system.
pppHostsTotalPeak [Ppp Hosts Total Peak] (tmnxSubMgmtSystSPppHostsPeak)	long	The value of tmnxSubMgmtSystSPppHostsPeak indicates the peak number of PPP hosts on this system.
pppLacL2tpSess [Ppp Lac L2 tp Sess] (tmnxSubMgmtSystSPppLacL2tp)	long	The value of tmnxSubMgmtSystSPppLacL2tp indicates the number of current PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacL2tpSessPeak [Ppp Lac L2 tp Sess Peak] (tmnxSubMgmtSystSPppLacL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLacL2tpPeak indicates the peak number of PPP sessions (L2TP LTS) tunneled over L2TP on this system.
pppLacOASess [Ppp Lac OASess] (tmnxSubMgmtSystSPppLacOA)	long	The value of tmnxSubMgmtSystSPppLacOA indicates the number of current PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOASessPeak [Ppp Lac OASess Peak] (tmnxSubMgmtSystSPppLacOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOAPeak indicates the peak number of PPP sessions (PPPoA) tunneled over L2TP on this system.
pppLacOEOASess [Ppp Lac OEOASess] (tmnxSubMgmtSystSPppLacOEOA)	long	The value of tmnxSubMgmtSystSPppLacOEOA indicates the number of current PPP sessions (PPPoEoA) tunneled over L2TP on this system.
pppLacOEOASessPeak [Ppp Lac OEOASess Peak] (tmnxSubMgmtSystSPppLacOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLacOEOAPeak indicates the peak number of PPP sessions (PPPoEoA) tunneled over L2TP on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLacOESess [Ppp Lac OESess] (tmnxSubMgmtSystSPppLacOE)	long	The value of tmnxSubMgmtSystSPppLacOE indicates the number of current PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLacOESessPeak [Ppp Lac OESess Peak] (tmnxSubMgmtSystSPppLacOEPeak)	long	The value of tmnxSubMgmtSystSPppLacOEPeak indicates the peak number of PPP sessions (PPPoE) tunneled over L2TP on this system.
pppLclL2tpSess [Ppp Lcl L2 tp Sess] (tmnxSubMgmtSystSPppLclL2tp)	long	The value of tmnxSubMgmtSystSPppLclL2tp indicates the number of current locally terminated PPP sessions (L2TP LNS) on this system.
pppLclL2tpSessPeak [Ppp Lcl L2 tp Sess Peak] (tmnxSubMgmtSystSPppLclL2tpPeak)	long	The value of tmnxSubMgmtSystSPppLclL2tpPeak indicates the peak number of locally terminated PPP sessions (L2TP LNS) on this system.
pppLclOASess [Ppp Lcl OASess] (tmnxSubMgmtSystSPppLclOA)	long	The value of tmnxSubMgmtSystSPppLclOA indicates the number of current locally terminated PPP sessions (PPPoA) on this system.
pppLclOASessPeak [Ppp Lcl OASess Peak] (tmnxSubMgmtSystSPppLclOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOAPeak indicates the peak number of locally terminated PPP sessions (PPPoA) on this system.
pppLclOEOASess [Ppp Lcl OEOASess] (tmnxSubMgmtSystSPppLclOEOA)	long	The value of tmnxSubMgmtSystSPppLclOEOA indicates the number of current locally terminated PPP sessions (PPPoEoA) on this system.
pppLclOEOASessPeak [Ppp Lcl OEOASess Peak] (tmnxSubMgmtSystSPppLclOEOAPeak)	long	The value of tmnxSubMgmtSystSPppLclOEOAPeak indicates the peak number of locally terminated PPP sessions (PPPoEoA) on this system.
pppLclOESess [Ppp Lcl OESess] (tmnxSubMgmtSystSPppLclOE)	long	The value of tmnxSubMgmtSystSPppLclOE indicates the number of current locally terminated PPP sessions (PPPoE) on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppLclOESessPeak [Ppp Lcl OESess Peak] (tmnxSubMgmtSystSPppLclOEPeak)	long	The value of tmnxSubMgmtSystSPppLclOEPeak indicates the peak number of locally terminated PPP sessions (PPPoE) on this system.
pppLclTotalSess [Ppp Lcl Total Sess] (tmnxSubMgmtSystSPppLclTotal)	long	The value of tmnxSubMgmtSystSPppLclTotal indicates the total number of current locally terminated PPP sessions on this system.
pppLclTotalSessPeak [Ppp Lcl Total Sess Peak] (tmnxSubMgmtSystSPppLclTotalPeak)	long	The value of tmnxSubMgmtSystSPppLclTotalPeak indicates the total peak number of locally terminated PPP sessions on this system.
pppSessInSetup [Ppp Sess In Setup] (tmnxSubMgmtSystSPppSessIs)	long	The value of tmnxSubMgmtSystSPppSessIs indicates the number of current PPP sessions in setup on this system.
pppSessInSetupPeak [Ppp Sess In Setup Peak] (tmnxSubMgmtSystSPppSessIsPeak)	long	The value of tmnxSubMgmtSystSPppSessIsPeak indicates the peak number of PPP sessions in setup on this system.
pppSessTotal [Ppp Sess Total] (tmnxSubMgmtSystSPppSessTotal)	long	The value of tmnxSubMgmtSystSPppSessTotal indicates the total number of current PPP sessions established on this system.
pppSessTotalPeak [Ppp Sess Total Peak] (tmnxSubMgmtSystSPppSessTotalPeak)	long	The value of tmnxSubMgmtSystSPppSessTotalPeak indicates the total peak number of PPP sessions established on this system.
pppTotalLacSess [Ppp Total Lac Sess] (tmnxSubMgmtSystSPppLacTotal)	long	The value of tmnxSubMgmtSystSPppLacTotal indicates the total number of current PPP sessions tunneled over L2TP on this system.
pppTotalLacSessPeak [Ppp Total Lac Sess Peak] (tmnxSubMgmtSystSPppLacTotalPeak)	long	The value of tmnxSubMgmtSystSPppLacTotalPeak indicates the total peak number of PPP sessions tunneled over L2TP on this system.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualCPUSchedulingStats</p> <p>MIB entry name: tmnxCardVCpuSchedStatsEntry</p> <p>Entry description: The value of tmnxCardVCpuSchedStatsEntry consists of virtual CPU scheduling statistics for a card.</p> <p>Table description (for tmnxCardVCpuSchedStatsTable): The value of tmnxCardVCpuSchedStatsTable contains virtual CPU scheduling statistics for a given card.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CardSlot 		
vCPUShedHealth [VCPUShed Health] (tmnxCardVCpuSchedHealth)	double	The value of tmnxCardVCpuSchedHealth indicates the scheduling health of the virtual CPU on the card.
vCPUShedLastClearedTime [VCPUShed Last Cleared Time] (tmnxCardVCpuSchedLastClearedTime)	long	The value of tmnxCardVCpuSchedLastClearedTime indicates the time, since system startup, when tmnxCardVCpuSchedStatsEntry was last cleared.
<p>VirtualFwdPlaneStats</p> <p>MIB entry name: tmnxCardVFpStatsEntry</p> <p>Entry description: The value of tmnxCardVFpStatsEntry consists of CPU statistics for a virtual forwarding plane (vFP) task on a card.</p> <p>Table description (for tmnxCardVFpStatsTable): The value of tmnxCardVFpStatsTable contains CPU statistics for the virtual forwarding plane (vFP) of a given card.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.ForwardingPlane</p>		
vFPAvgUtilization [VFPAvg Utilization] (tmnxCardVFpAvgUtilization)	long	The value of tmnxCardVFpAvgUtilization indicates the average CPU utilization of the vFP task on the card.

Table 528 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vFPCpuCount [VFPCpu Count] (tmnxCardVFpCpuCount)	long	The value of tmnxCardVFpCpuCount indicates the number of virtual CPUs that the vFP task is running on for the card.
vFPMaxUtilization [VFPMax Utilization] (tmnxCardVFpMaxUtilization)	long	The value of tmnxCardVFpMaxUtilization indicates the maximum CPU utilization of the vFP task on the card.
vFPTaskType [VFPTask Type] (tmnxCardVFpTaskType)	int	The value of tmnxCardVFpTaskType specifies the virtual forwarding plane (vFP) task type. Values: nic - network interface card task worker - worker task scheduler - scheduler task collapsed - task includes NIC and scheduler work combined - task includes NIC, scheduler and worker work

Table 529 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CohOptPortStats</p> <p>MIB entry name: tmnxCohOptPortStatsEntry</p> <p>Entry description: Each row entry includes statistics for a DWDM coherent optical port in the system. Entries cannot be created or deleted via SNMP SET operations.</p> <p>Table description (for tmnxCohOptPortStatsTable): The tmnxCohOptPortStatsTable contains statistics information for DWDM coherent optical ports in the Nokia SROS system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
cohOptPortRxBER [Coh Opt Port Rx BER] (tmnxCohOptPortRxBER)	long	The value of tmnxCohOptPortRxBER indicates the RX Bit Error Rate (BER) since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERAvg [Coh Opt Port Rx BERAvg] (tmnxCohOptPortRxBERAvg)	long	The value of tmnxCohOptPortRxBERAvg indicates the RX average BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMax [Coh Opt Port Rx BERMax] (tmnxCohOptPortRxBERMax)	long	The value of tmnxCohOptPortRxBERMax indicates the RX maximum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMin [Coh Opt Port Rx BERMin] (tmnxCohOptPortRxBERMin)	long	The value of tmnxCohOptPortRxBERMin indicates the RX minimum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxChromaticDisp [Coh Opt Port Rx Chromatic Disp] (tmnxCohOptPortRxChromaticDisp)	long	The value of tmnxCohOptPortRxChromaticDisp indicates the RX chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispAvg [Coh Opt Port Rx Chromatic Disp Avg] (tmnxCohOptPortRxChromaticDispAvg)	long	The value of tmnxCohOptPortRxChromaticDispAvg indicates the RX average chromatic dispersion since the last port statistics clear.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxChromaticDispMax [Coh Opt Port Rx Chromatic Disp Max] (tmnxCohOptPortRxChromaticDispMax)	long	The value of tmnxCohOptPortRxChromaticDispMax indicates the RX maximum chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispMin [Coh Opt Port Rx Chromatic Disp Min] (tmnxCohOptPortRxChromaticDispMin)	long	The value of tmnxCohOptPortRxChromaticDispMin indicates the RX minimum chromatic dispersion since the last port statistics clear.
cohOptPortRxDiffGrpDly [Coh Opt Port Rx Diff Grp Dly] (tmnxCohOptPortRxDiffGrpDly)	long	The value of tmnxCohOptPortRxDiffGrpDly indicates the RX differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyAvg [Coh Opt Port Rx Diff Grp Dly Avg] (tmnxCohOptPortRxDiffGrpDlyAvg)	long	The value of tmnxCohOptPortRxDiffGrpDlyAvg indicates the RX average differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMax [Coh Opt Port Rx Diff Grp Dly Max] (tmnxCohOptPortRxDiffGrpDlyMax)	long	The value of tmnxCohOptPortRxDiffGrpDlyMax indicates the RX maximum differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMin [Coh Opt Port Rx Diff Grp Dly Min] (tmnxCohOptPortRxDiffGrpDlyMin)	long	The value of tmnxCohOptPortRxDiffGrpDlyMin indicates the RX minimum differential group delay since the last port statistics clear.
cohOptPortRxFreqOffset [Coh Opt Port Rx Freq Offset] (tmnxCohOptPortRxFreqOffset)	long	The value of tmnxCohOptPortRxFreqOffset indicates the RX frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetAvg [Coh Opt Port Rx Freq Offset Avg] (tmnxCohOptPortRxFreqOffsetAvg)	long	The value of tmnxCohOptPortRxFreqOffsetAvg indicates the RX average frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetMax [Coh Opt Port Rx Freq Offset Max] (tmnxCohOptPortRxFreqOffsetMax)	long	The value of tmnxCohOptPortRxFreqOffsetMax indicates the RX maximum frequency offset since the last port statistics clear.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxFreqOffsetMin [Coh Opt Port Rx Freq Offset Min] (tmnxCohOptPortRxFreqOffsetMin)	long	The value of tmnxCohOptPortRxFreqOffsetMin indicates the RX minimum frequency offset since the last port statistics clear.
cohOptPortRxPower [Coh Opt Port Rx Power] (tmnxCohOptPortRxPower)	float	The value of tmnxCohOptPortRxPower indicates the RX optical power since the last port statistics clear.
cohOptPortRxPowerAvg [Coh Opt Port Rx Power Avg] (tmnxCohOptPortRxPowerAvg)	float	The value of tmnxCohOptPortRxPowerAvg indicates the RX average optical power since the last port statistics clear.
cohOptPortRxPowerMax [Coh Opt Port Rx Power Max] (tmnxCohOptPortRxPowerMax)	float	The value of tmnxCohOptPortRxPowerMax indicates the RX maximum optical power since the last port statistics clear.
cohOptPortRxPowerMin [Coh Opt Port Rx Power Min] (tmnxCohOptPortRxPowerMin)	float	The value of tmnxCohOptPortRxPowerMin indicates the RX minimum optical power since the last port statistics clear.
cohOptPortRxQ [Coh Opt Port Rx Q] (tmnxCohOptPortRxQ)	long	The value of tmnxCohOptPortRxQ indicates the RX Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQAvg [Coh Opt Port Rx QAvg] (tmnxCohOptPortRxQAvg)	long	The value of tmnxCohOptPortRxQAvg indicates the RX average Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMax [Coh Opt Port Rx QMax] (tmnxCohOptPortRxQMax)	long	The value of tmnxCohOptPortRxQMax indicates the RX maximum Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMin [Coh Opt Port Rx QMin] (tmnxCohOptPortRxQMin)	long	The value of tmnxCohOptPortRxQMin indicates the RX minimum Q since the last port statistics clear, represented in tenths of a dB.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxSNR [Coh Opt Port Rx SNR] (tmnxCohOptPortRxSNR)	long	The value of tmnxCohOptPortRxSNR indicates the RX Signal-to-Noise Ratio (SNR) since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRAvg [Coh Opt Port Rx SNRAvg] (tmnxCohOptPortRxSNRAvg)	long	The value of tmnxCohOptPortRxSNRAvg indicates the RX average SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMax [Coh Opt Port Rx SNRMax] (tmnxCohOptPortRxSNRMax)	long	The value of tmnxCohOptPortRxSNRMax indicates the RX maximum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMin [Coh Opt Port Rx SNRMin] (tmnxCohOptPortRxSNRMin)	long	The value of tmnxCohOptPortRxSNRMin indicates the RX minimum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortStatsElapsedSec [Coh Opt Port Stats Elapsed Sec] (tmnxCohOptPortStatsElapsedSec)	long	The value of tmnxCohOptPortStatsElapsedSec indicates the number of elapsed seconds since the start of coherent optical stats collection after the last port statistics clear.
cohOptPortTxPower [Coh Opt Port Tx Power] (tmnxCohOptPortTxPower)	float	The value of tmnxCohOptPortTxPower indicates the TX optical power since the last port statistics clear.
cohOptPortTxPowerAvg [Coh Opt Port Tx Power Avg] (tmnxCohOptPortTxPowerAvg)	float	The value of tmnxCohOptPortTxPowerAvg indicates the TX average optical power since the last port statistics clear.
cohOptPortTxPowerMax [Coh Opt Port Tx Power Max] (tmnxCohOptPortTxPowerMax)	float	The value of tmnxCohOptPortTxPowerMax indicates the TX maximum optical power since the last port statistics clear.
cohOptPortTxPowerMin [Coh Opt Port Tx Power Min] (tmnxCohOptPortTxPowerMin)	float	The value of tmnxCohOptPortTxPowerMin indicates the TX minimum optical power since the last port statistics clear.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>OtulfStats MIB entry name: tmnxOtulfRawStatsEntry Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable. Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUas [Fec Uas] (tmnxOtuIfRawStatsFECUAS)	long	The value of tmnxOtuIfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ofSmBip8 [Of Sm Bip 8] (tmnxOtulfRawStatsOFSMBIP8)	long	The value of tmnxOtulfRawStatsOFSMBIP8 indicates the number of times the tmnxOtulfRawStatsSMBIP8 overflowed.
pmBei [Pm Bei] (tmnxOtulfRawStatsPMBEI)	long	The value of tmnxOtulfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtulfRawStatsPMBIP8)	long	The value of tmnxOtulfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtulfRawStatsPMES)	long	The value of tmnxOtulfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtulfRawStatsPMSES)	long	The value of tmnxOtulfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtulfRawStatsPMUAS)	long	The value of tmnxOtulfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtulfRawStatsPPJ)	long	The value of tmnxOtulfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtulfRawStatsSMBEI)	long	The value of tmnxOtulfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smBip8 [Sm Bip 8] (tmnxOtulfRawStatsSMBIP8)	long	The value of tmnxOtulfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.
smEs [Sm Es] (tmnxOtulfRawStatsSMES)	long	The value of tmnxOtulfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtulfRawStatsSMSES)	long	The value of tmnxOtulfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtulfRawStatsSMUAS)	long	The value of tmnxOtulfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. In release 11.0, tPortAccEgrQGrpInStanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortEgrQosQStatTable. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressExpShaperHLStats</p> <p>MIB entry name: tPortEgrExpShaperStatsHLEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsHLEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsHLTable): The tPortEgrExpShaperStatsHLTable contains the statistics of each egress expanded shaper at the port level configured on this system represented in higher 32 and lower 32 bit objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOctsH [Port Egr Exp Shaper Agg St Fwd Octs H] (tPortEgrExpShaperAggStFwdOctsH)	long	The value of tPortEgrExpShaperAggStFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdOctsL [Port Egr Exp Shaper Agg St Fwd Octs L] (tPortEgrExpShaperAggStFwdOctsL)	long	The value of tPortEgrExpShaperAggStFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdPktsH [Port Egr Exp Shaper Agg St Fwd Pkts H] (tPortEgrExpShaperAggStFwdPktsH)	long	The value of tPortEgrExpShaperAggStFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperAggStFwdPktsL [Port Egr Exp Shaper Agg St Fwd Pkts L] (tPortEgrExpShaperAggStFwdPktsL)	long	The value of tPortEgrExpShaperAggStFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperCls1StFwdOctsH [Port Egr Exp Shaper Cls 1 St Fwd Octs H] (tPortEgrExpShaperCls1StFwdOctsH)	long	The value of tPortEgrExpShaperCls1StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.
portEgrExpShaperCls1StFwdOctsL [Port Egr Exp Shaper Cls 1 St Fwd Octs L] (tPortEgrExpShaperCls1StFwdOctsL)	long	The value of tPortEgrExpShaperCls1StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdPktsH [Port Egr Exp Shaper Cls 1 St Fwd Pkts H] (tPortEgrExpShaperCls1StFwdPktsH)	long	The value of tPortEgrExpShaperCls1StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls1StFwdPktsL [Port Egr Exp Shaper Cls 1 St Fwd Pkts L] (tPortEgrExpShaperCls1StFwdPktsL)	long	The value of tPortEgrExpShaperCls1StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdOctsH [Port Egr Exp Shaper Cls 6 St Fwd Octs H] (tPortEgrExpShaperCls6StFwdOctsH)	long	The value of tPortEgrExpShaperCls6StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdOctsL [Port Egr Exp Shaper Cls 6 St Fwd Octs L] (tPortEgrExpShaperCls6StFwdOctsL)	long	The value of tPortEgrExpShaperCls6StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdPktsH [Port Egr Exp Shaper Cls 6 St Fwd Pkts H] (tPortEgrExpShaperCls6StFwdPktsH)	long	The value of tPortEgrExpShaperCls6StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls6StFwdPktsL [Port Egr Exp Shaper Cls 6 St Fwd Pkts L] (tPortEgrExpShaperCls6StFwdPktsL)	long	The value of tPortEgrExpShaperCls6StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls7StFwdOctsH [Port Egr Exp Shaper Cls 7 St Fwd Octs H] (tPortEgrExpShaperCls7StFwdOctsH)	long	The value of tPortEgrExpShaperCls7StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdOctsL [Port Egr Exp Shaper Cls 7 St Fwd Octs L] (tPortEgrExpShaperCls7StFwdOctsL)	long	The value of tPortEgrExpShaperCls7StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdPktsH [Port Egr Exp Shaper Cls 7 St Fwd Pkts H] (tPortEgrExpShaperCls7StFwdPktsH)	long	The value of tPortEgrExpShaperCls7StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls7StFwdPktsL [Port Egr Exp Shaper Cls 7 St Fwd Pkts L] (tPortEgrExpShaperCls7StFwdPktsL)	long	The value of tPortEgrExpShaperCls7StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls8StFwdOctsH [Port Egr Exp Shaper Cls 8 St Fwd Octs H] (tPortEgrExpShaperCls8StFwdOctsH)	long	The value of tPortEgrExpShaperCls8StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls8StFwdOctsL [Port Egr Exp Shaper Cls 8 St Fwd Octs L] (tPortEgrExpShaperCls8StFwdOctsL)	long	The value of tPortEgrExpShaperCls8StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.
portEgrExpShaperCls8StFwdPktsH [Port Egr Exp Shaper Cls 8 St Fwd Pkts H] (tPortEgrExpShaperCls8StFwdPktsH)	long	The value of tPortEgrExpShaperCls8StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
portEgrExpShaperCls8StFwdPktsL [Port Egr Exp Shaper Cls 8 St Fwd Pkts L] (tPortEgrExpShaperCls8StFwdPktsL)	long	The value of tPortEgrExpShaperCls8StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
<p>PortEgressExpShaperStats</p> <p>MIB entry name: tPortEgrExpShaperStatsEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsTable): The tPortEgrExpShaperStatsTable contains the statistics of each egress expanded shaper at the port level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrExpShaperStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOcts [Port Egr Exp Shaper Agg St Fwd Octs] (tPortEgrExpShaperAggStFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdOcts indicates the aggregate number of octets forwarded by all of the classes of this egress expanded shaper.
portEgrExpShaperAggStFwdPkts [Port Egr Exp Shaper Agg St Fwd Pkts] (tPortEgrExpShaperAggStFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdPkts indicates the aggregate number of packets forwarded by all of the classes of this egress expanded shaper.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdOcts [Port Egr Exp Shaper Cls 1 St Fwd Octs] (tPortEgrExpShaperCls1StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdOcts indicates the number of octets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StFwdPkts [Port Egr Exp Shaper Cls 1 St Fwd Pkts] (tPortEgrExpShaperCls1StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdPkts indicates the number of packets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StMonOvrOct [Port Egr Exp Shaper Cls 1 St Mon Ovr Oct] (tPortEgrExpShaperCls1StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '1' egress expanded shaper.
portEgrExpShaperCls2StFwdOcts [Port Egr Exp Shaper Cls 2 St Fwd Octs] (tPortEgrExpShaperCls2StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdOcts indicates the number of octets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StFwdPkts [Port Egr Exp Shaper Cls 2 St Fwd Pkts] (tPortEgrExpShaperCls2StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdPkts indicates the number of packets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StMonOvrOct [Port Egr Exp Shaper Cls 2 St Mon Ovr Oct] (tPortEgrExpShaperCls2StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '2' egress expanded shaper.
portEgrExpShaperCls3StFwdOcts [Port Egr Exp Shaper Cls 3 St Fwd Octs] (tPortEgrExpShaperCls3StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdOcts indicates the number of octets forwarded by the class '3' egress expanded shaper.
portEgrExpShaperCls3StFwdPkts [Port Egr Exp Shaper Cls 3 St Fwd Pkts] (tPortEgrExpShaperCls3StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdPkts indicates the number of packets forwarded by the class '3' egress expanded shaper.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StMonOvrOct [Port Egr Exp Shaper Cls 3 St Mon Ovr Oct] (tPortEgrExpShaperCls3StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '3' egress expanded shaper.
portEgrExpShaperCls4StFwdOcts [Port Egr Exp Shaper Cls 4 St Fwd Octs] (tPortEgrExpShaperCls4StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdOcts indicates the number of octets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StFwdPkts [Port Egr Exp Shaper Cls 4 St Fwd Pkts] (tPortEgrExpShaperCls4StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdPkts indicates the number of packets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StMonOvrOct [Port Egr Exp Shaper Cls 4 St Mon Ovr Oct] (tPortEgrExpShaperCls4StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '4' egress expanded shaper.
portEgrExpShaperCls5StFwdOcts [Port Egr Exp Shaper Cls 5 St Fwd Octs] (tPortEgrExpShaperCls5StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdOcts indicates the number of octets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StFwdPkts [Port Egr Exp Shaper Cls 5 St Fwd Pkts] (tPortEgrExpShaperCls5StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdPkts indicates the number of packets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StMonOvrOct [Port Egr Exp Shaper Cls 5 St Mon Ovr Oct] (tPortEgrExpShaperCls5StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '5' egress expanded shaper.
portEgrExpShaperCls6StFwdOcts [Port Egr Exp Shaper Cls 6 St Fwd Octs] (tPortEgrExpShaperCls6StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdOcts indicates the number of octets forwarded by the class '6' egress expanded shaper.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdPkts [Port Egr Exp Shaper Cls 6 St Fwd Pkts] (tPortEgrExpShaperCls6StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdPkts indicates the number of packets forwarded by the class '6' egress expanded shaper.
portEgrExpShaperCls6StMonOvrOct [Port Egr Exp Shaper Cls 6 St Mon Ovr Oct] (tPortEgrExpShaperCls6StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '6' egress expanded shaper.
portEgrExpShaperCls7StFwdOcts [Port Egr Exp Shaper Cls 7 St Fwd Octs] (tPortEgrExpShaperCls7StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdOcts indicates the number of octets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StFwdPkts [Port Egr Exp Shaper Cls 7 St Fwd Pkts] (tPortEgrExpShaperCls7StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdPkts indicates the number of packets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StMonOvrOct [Port Egr Exp Shaper Cls 7 St Mon Ovr Oct] (tPortEgrExpShaperCls7StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '7' egress expanded shaper.
portEgrExpShaperCls8StFwdOcts [Port Egr Exp Shaper Cls 8 St Fwd Octs] (tPortEgrExpShaperCls8StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdOcts indicates the number of octets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StFwdPkts [Port Egr Exp Shaper Cls 8 St Fwd Pkts] (tPortEgrExpShaperCls8StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdPkts indicates the number of packets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StMonOvrOct [Port Egr Exp Shaper Cls 8 St Mon Ovr Oct] (tPortEgrExpShaperCls8StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '8' egress expanded shaper.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of fowrwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of fowrwarded packets by the egress queue group arbiter Pchip.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOctets)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOctets indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOctets)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOctets indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOctets)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOctets indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOctets)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOctets indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WaveLengthTrackerOpticalStats</p> <p>MIB entry name: tmnxOpticalPortOperEntry</p> <p>Entry description: Each row entry represents an Optical port on a IOM card in a chassis in the system. The tmnxOpticalPortOperEntry contains attributes that are unique to the Optical ports.</p> <p>Table description (for tmnxOpticalPortOperTable): The tmnxOpticalPortOperTable has an entry for each DWDM Optical port on each IOM card in each chassis in the Nokia SROS system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		
opticalAmpPowerIn [Optical Amp Power In] (tmnxOpticalPortAmpPowerIn)	float	The value of tmnxOpticalPortAmpPowerIn indicates the received average optical power at the input of the optical amplifier. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
<p>WaveLengthTrackerStats</p> <p>MIB entry name: tmnxWaveTrackerEntry</p> <p>Entry description: Each row entry represents a Wave Tracker capable port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. The tmnxWaveTrackerEntry contains attributes that are unique to the Wave Tracker capable ports.</p> <p>Table description (for tmnxWaveTrackerTable): The tmnxWaveTrackerTable has an entry for each Wavelength Tracker port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		

Table 529 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetPower [Target Power] (tmnxWaveTrackerTargetPower)	float	The value of tmnxWaveTrackerTargetPower specifies the desired average output power of the interface's transmitted optical signal when tmnxWaveTrackerPowerCtrlEnable is set to 'true (1)'. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerLowerPowerMargin [Wave Tracker Lower Power Margin] (tmnxWaveTrackerLowerPowerMargin)	float	tmnxWaveTrackerLowerPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be decreased. The UNITS mBm are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.
waveTrackerMeasuredPower [Wave Tracker Measured Power] (tmnxWaveTrackerMeasuredPower)	float	tmnxWaveTrackerMeasuredPower indicates the current average output power of the interface's transmitted optical signal. The UNITS mBm are units of 0.01 dBm or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerUpperPowerMargin [Wave Tracker Upper Power Margin] (tmnxWaveTrackerUpperPowerMargin)	float	tmnxWaveTrackerUpperPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be increased. The UNITS millibels (mB) are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.

Table 530 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. A successful clear operation zeros all the statistics in the specified rows.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)	long	The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. A successful clear operation zeros all the statistics in the specified rows.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmGlobalOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmGlobalOpcodeEntry</p> <p>Entry description: A Global Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmGlobalOpcodeTable): tmnxDot1agCfmGlobalOpcodeTable consists of global statistics that are kept in the receive and transmit direction on the node for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmGlobalOpcode</p>		
globalOpcode [Global Opcode] (tmnxDot1agCfmGlobalOpcode)	int	Integer that defines which CFM PDU Opcode the statistics refer to.
globalOpcodeRx [Global Opcode Rx] (tmnxDot1agCfmGlobalOpcodeRx)	long	The total number of PDUs received on the node with the specified Opcode.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
globalOpcodeTx [Global Opcode Tx] (tmnxDot1agCfmGlobalOpcodeTx)	long	The total number of PDUs transmitted from the node with the specified Opcode.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmLmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <code>_CfgSessName _CfgMeasIntvlDuration _CfgMeasIntvlsStored ##### ##### 'mySess1' 'mi15Minutes(2)' 3</code> Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <code>_CfgSessName _StsBaseTestType _StsIntvlDuration _StsIntvlNum ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4</code> The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <code>_CfgSessName _StsBaseTestType _StsIntvlDuration _StsIntvlNum ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5</code> The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. Delay Measurement and Synthetic Loss Measurement tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmLmmSession</p>		

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmLmmAvgFlrBwd [Pm Lmm Avg Flr Bwd] (tmnxOamPmStsLossLmmAvgFlrBwd)	long	The compliance statement for management of OAM Performance Management on Nokia SROS series systems, release 12.0.
pmLmmAvgFlrFwd [Pm Lmm Avg Flr Fwd] (tmnxOamPmStsLossLmmAvgFlrFwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrFwd indicates the average FLR (Frame Loss Ratio) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMaxFlrBwd [Pm Lmm Max Flr Bwd] (tmnxOamPmStsLossLmmMaxFlrBwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrBwd indicates the maximum FLR (Frame Loss Ratio) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMaxFlrFwd [Pm Lmm Max Flr Fwd] (tmnxOamPmStsLossLmmMaxFlrFwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrFwd indicates the maximum FLR (Frame Loss Ratio) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrBwd [Pm Lmm Min Flr Bwd] (tmnxOamPmStsLossLmmMinFlrBwd)	long	The value of tmnxOamPmStsLossLmmMinFlrBwd indicates the minimum FLR (Frame Loss Ratio) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrFwd [Pm Lmm Min Flr Fwd] (tmnxOamPmStsLossLmmMinFlrFwd)	long	The value of tmnxOamPmStsLossLmmMinFlrFwd indicates the minimum FLR (Frame Loss Ratio) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.

Table 530 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmRxBwd [Pm Lmm Rx Bwd] (tmnxOamPmStsLossLmmRxBwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmRxBwd indicates the number of service frames received in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxFwd [Pm Lmm Rx Fwd] (tmnxOamPmStsLossLmmRxFwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmRxFwd indicates the number of service frames received in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxBwd [Pm Lmm Tx Bwd] (tmnxOamPmStsLossLmmTxBwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmTxBwd indicates the number of service frames transmitted in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxFwd [Pm Lmm Tx Fwd] (tmnxOamPmStsLossLmmTxFwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmTxFwd indicates the number of service frames transmitted in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CfmMepOpcodeStats MIB entry name: tmnxDot1agCfmMepOpcodeEntry Entry description: A Mep Opcode Stats Table entry. Table description (for tmnxDot1agCfmMepOpcodeTable): tmnxDot1agCfmMepOpcodeTable consists of statistics that are kept in the receive and transmit direction on a MEP for each CFM PDU Opcode. Supports realtime plotting Supports scheduled collection Monitored class: ethernetoam.CfmMepOpcode		
mepOpcode [Mep Opcode] (tmnxDot1agCfmMepOpcode)	int	The value of tmnxDot1agCfmMepOpcode specifies the CFM PDU Opcode to which the statistics refer.
mepOpcodeRx [Mep Opcode Rx] (tmnxDot1agCfmMepOpcodeRx)	long	The total number of PDUs received on the MEP with the specified Opcode.
mepOpcodeTx [Mep Opcode Tx] (tmnxDot1agCfmMepOpcodeTx)	long	The total number of PDUs transmitted from the MEP with the specified Opcode.
CfmPacketCountStats MIB entry name: tmnxDot1agCfmGlobalPacketStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
globalAisTxActive [Global Ais Tx Active] (tmnxDot1agCfmGlobalAisTxActive)	long	The value of tmnxDot1agCfmGlobalAisTxActive indicates the number of sessions where fault (AIS or other) is actively being transmitted.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
globalAisTxFail [Global Ais Tx Fail] (tmnxDot1agCfmGlobalAisTxFail)	long	The value of tmnxDot1agCfmGlobalAisTxFail indicates the number of sessions where fault (AIS or other) can't be transmitted due to lack of resources.
globalPacketDiscard [Global Packet Discard] (tmnxDot1agCfmGlobalPacketDiscard)	long	The value of tmnxDot1agCfmGlobalPacketDiscard indicates the number of packets discarded by ETH-CFM. A packet may be discarded for several reasons including, but not limited to, malformed PDU, invalid TLVs, MEP admin down, etc.
globalPacketDropped [Global Packet Dropped] (tmnxDot1agCfmGlobalPacketDropped)	long	The value of tmnxDot1agCfmGlobalPacketDropped indicates the number of packets dropped by ETH-CFM. A packet is dropped because of resource contention.
globalPacketRxCount [Global Packet Rx Count] (tmnxDot1agCfmGlobalPacketRxCount)	long	The value of tmnxDot1agCfmGlobalPacketRxCount indicates the number of received ETH-CFM packets.
globalPacketTxCount [Global Packet Tx Count] (tmnxDot1agCfmGlobalPacketTxCount)	long	The value of tmnxDot1agCfmGlobalPacketTxCount indicates the number of transmitted ETH-CFM packets.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSImSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. Delay Measurement and Synthetic Loss Measurement tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSImSession</p>		

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average FLR (Frame Loss Ratio) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average FLR (Frame Loss Ratio) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of CHLIs (Consecutive High Loss Intervals) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of CHLIs (Consecutive High Loss Intervals) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of HLIs (High Loss Intervals) in the backward direction for the specified measurement interval data set.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of HLIs (High Loss Intervals) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum FLR (Frame Loss Ratio) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum FLR (Frame Loss Ratio) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum FLR (Frame Loss Ratio) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum FLR (Frame Loss Ratio) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted as received if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 6.3). Otherwise, the frame is not counted. A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted as received if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). Otherwise, the frame is not counted. A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted as transmitted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). Otherwise, the frame is not counted. A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted as transmitted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). Otherwise, the frame is not counted. A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavailIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavailIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
OamSysPerfStats MIB entry name: tmnxOamGeneralStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
currentNumberOfSAATests [Current Number Of SAATests] (tmnxOamSysSessionCount)	long	The value of tmnxOamSysSessionCount indicates the number of OAM sessions currently allocated on this node. One OAM session is allocated when a test is configured (in the case of some test types) or activated (in the remaining cases). Tests with the following test types allocate OAM sessions: 1. SDP keep-alive. 2. Static route CPE check. 3. Filter redirect policy ping test. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB. The session is freed when the test is deactivated or deleted. tmnxOamSysSessionCount will not exceed tmnxOamSysSessionLimit. Configuration or activation of a test will fail when tmnxOamSysSessionCount equals tmnxOamSysSessionLimit.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentTxRateForContinuousTests [Current Tx Rate For Continuous Tests] (tmnxOamSysPerfCfgTotalTx)	long	The value of tmnxOamSysPerfCfgTotalTx indicates this node's current total configured echo request packet transmission rate, for the set of tests listed in the tmnxOamSysPerfCfgLimitTx DESCRIPTION clause. For example, suppose: a) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and b) several SAA continuous tests are enabled, totalling 2000 echo request packets per second, and c) no other relevant tests are enabled. Then, tmnxOamSysPerfCfgTotalTx will have the value 3000. The value of tmnxOamSysPerfCfgTotalTx will not exceed the value of tmnxOamSysPerfCfgLimitTx.
lastClearStatsTime [Last Clear Stats Time] (tmnxOamSysPerfLastClearedTime)	long	The value of tmnxOamSysPerfLastClearedTime indicates the sysUpTime when the following statistics were cleared: tmnxOamSysPerfLocalTestTx, tmnxOamSysPerfRemoteTestRx, and tmnxOamSysPerfReqTypeTable. If the statistics have not been cleared since the last CPM restart, zero is returned. A packet count which is time stamped by this object can be converted to an average packets per second value using, for example, pps = tmnxOamSysPerfLocalTestTx / [(sysUpTime - tmnxOamSysPerfLastClearedTime)/100].
maxNumberOfSAATests [Max Number Of SAATests] (tmnxOamSysSessionLimit)	long	The value of tmnxOamSysSessionLimit indicates the maximum number of OAM sessions available on this node. OAM sessions are allocated and freed as described in the tmnxOamSysSessionCount DESCRIPTION clause.
maxTxRateForAllOamTests [Max Tx Rate For All Oam Tests] (tmnxOamSysPerfOprLimitTx)	long	The value of tmnxOamSysPerfOprLimitTx indicates this node's upper bound on the total echo request packet transmission rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following test types: 1. SDP keep-alive. 2. Static route CPE check. 3. Filter redirect policy ping test. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB.

Table 530 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxTxRateForContinousTests [Max Tx Rate For Continous Tests] (tmnxOamSysPerfCfgLimitTx)	long	The value of tmnxOamSysPerfCfgLimitTx indicates this node's upper bound on the total configured echo request packet transmission rate for a set of test types. The upper bound is enforced to avoid echo request packet transmit overload, i.e. to ensure each enabled test can transmit echo request packets at the test's configured rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following 'always on' test types: 1. SDP keep-alive. 2. Static route CPE check. 3. Filter redirect policy ping test. 4. VRRP policy host unreachable ping test. 5. SAA continuous test (see tmnxOamSaaCtlContinuous). 6. OAM-PM proactive test (see TIMETRA-OAM-PM-MIB::tmnxOamPmCfgSessType). For example, suppose: a) tmnxOamSysPerfCfgLimitTx has the value 4000 echo request packets per second, and b) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and c) several SAA continuous tests are enabled, totalling 3000 echo request packets per second. Then, an attempt to enable an additional SAA continuous test would be rejected with a 'resourceUnavailable(13)' error.
totalNumberOfEchoRequestPacketsReceived [Total Number Of Echo Request Packets Received] (tmnxOamSysPerfRemoteTestRx)	long	The value of tmnxOamSysPerfRemoteTestRx indicates this node's total number of echo request packets received from remotely initiated tests (since the last clear).
totalNumberOfEchoRequestPacketsTransmitted [Total Number Of Echo Request Packets Transmitted] (tmnxOamSysPerfLocalTestTx)	long	The value of tmnxOamSysPerfLocalTestTx indicates this node's total number of echo request packets transmitted by locally initiated tests (since the last clear). The test types are listed in the tmnxOamSysPerfOprLimitTx DESCRIPTION clause.

Table 531 fr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: tmnxFRDlcmiEntry</p> <p>Entry description: The Parameters for a particular Data Link Connection Management Interface. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxFRDlcmiTable): The tmnxFRDlcmiTable has an entry for each port in the system that is configured for Frame Relay. It contains the parameters for the Data Link Connection Management Interface (DLCMI) for the frame relay service on this port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: fr.Interface</p>		
lmiDiscardedMessages [Lmi Discarded Messages] (tmnxFRDlcmiDiscardedMsgs)	long	tmnxFRDlcmiDiscardedMsgs indicates the number of times the LMI agent discarded a received message because it wasn't expecting it, the type of message was incorrect, or the contents of the message were invalid.
lmiInvalidRxSeqNumMessages [Lmi Invalid Rx Seq Num Messages] (tmnxFRDlcmiInvRxSeqNumMsgs)	long	tmnxFRDlcmiInvRxSeqNumMsgs indicates the number of times the LMI agent received a message with an invalid receive sequence number: i.e. a sequence number that does not match the last transmitted sequence number of the agent.
lmiRxStatusEnquiryMessages [Lmi Rx Status Enquiry Messages] (tmnxFRDlcmiRxStatusEnqMsgs)	long	tmnxFRDlcmiRxStatusEnqMsgs indicates the number of LMI Status Enquiry messages received on this Frame Relay interface.
lmiRxStatusMessages [Lmi Rx Status Messages] (tmnxFRDlcmiRxStatusMsgs)	long	tmnxFRDlcmiRxStatusMsgs indicates the number of LMI Status messages received on this Frame Relay interface.
lmiStatusEnquiryMsgTimeouts [Lmi Status Enquiry Msg Timeouts] (tmnxFRDlcmiStatusEnqMsgTimeouts)	long	tmnxFRDlcmiStatusEnqMsgTimeouts indicates the number of times the LMI agent did not receive a Status Enquiry message within the allotted time.

Table 531 fr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lmiStatusMsgTimeouts [Lmi Status Msg Timeouts] (tmnxFRDlcmiStatusMsgTimeouts)	long	tmnxFRDlcmiStatusMsgTimeouts indicates the number of times the LMI agent did not receive a Status message within the allotted time.
lmiTxStatusEnquiryMessages [Lmi Tx Status Enquiry Messages] (tmnxFRDlcmiTxStatusEnqMsgs)	long	tmnxFRDlcmiTxStatusEnqMsgs indicates the number of LMI Status Enquiry messages transmitted on this Frame Relay interface.
lmiTxStatusMessages [Lmi Tx Status Messages] (tmnxFRDlcmiTxStatusMsgs)	long	tmnxFRDlcmiTxStatusMsgs indicates the number of LMI Status messages transmitted on this Frame Relay interface.

Table 532 gsmpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GsmppSessionStats</p> <p>MIB entry name: tmnxAncpSessionStatsEntry</p> <p>Entry description: Each row contains statistics information about an ANCP session known to the system. Rows are created/deleted automatically by the system. The table contains read-only information only.</p> <p>Table description (for tmnxAncpSessionStatsTable): The table tmnxAncpSessionStatsTable contains statistic information for every ANCP session known to the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gsmpp.GsmppGroupNeighborSession</p>		
ancpAckReceived [Ancp Ack Received] (tmnxAncpSesStatRxAck)	long	The value of tmnxAncpSesStatRxAck indicates the number of GSMP ACK messages received in this ANCP session.
ancpAckTransmitted [Ancp Ack Transmitted] (tmnxAncpSesStatTxAck)	long	The value of tmnxAncpSesStatTxAck indicates the number of GSMP ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpLoopBackReceived [Ancp Loop Back Received] (tmnxAncpSesStatRxLoopback)	long	The value of tmnxAncpSesStatRxLoopback indicates the number of GSMP Loopback messages received in this ANCP session.
ancpLoopBackTransmitted [Ancp Loop Back Transmitted] (tmnxAncpSesStatTxLoopback)	long	The value of tmnxAncpSesStatTxLoopback indicates the number of GSMP Loopback messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpPortDownReceived [Ancp Port Down Received] (tmnxAncpSesStatRxPortDown)	long	The value of tmnxAncpSesStatRxPortDown indicates the number of GSMP 'PortDown' messages received in this ANCP session.
ancpPortDownTransmitted [Ancp Port Down Transmitted] (tmnxAncpSesStatTxPortDown)	long	The value of tmnxAncpSesStatTxPortDown indicates the number of GSMP 'PortDown' messages that were transmitted to the ANCP neighbor in this session.

Table 532 gsmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpPortUpReceived [Ancp Port Up Received] (tmnxAncpSesStatRxPortUp)	long	The value of tmnxAncpSesStatRxPortUp indicates the number of GSMP 'PortUp' messages received in this ANCP session.
ancpPortUpTransmitted [Ancp Port Up Transmitted] (tmnxAncpSesStatTxPortUp)	long	The value of tmnxAncpSesStatTxPortUp indicates the number of GSMP 'PortUp' messages that were transmitted to the ANCP neighbor in this session.
ancpRstAckReceived [Ancp Rst Ack Received] (tmnxAncpSesStatRxRstAck)	long	The value of tmnxAncpSesStatRxRstAck indicates the number of GSMP RST ACK messages received in this ANCP session.
ancpRstAckTransmitted [Ancp Rst Ack Transmitted] (tmnxAncpSesStatTxRstAck)	long	The value of tmnxAncpSesStatTxRstAck indicates the number of GSMP RST ACK messages that were transmitted to the ANCP neighbor in this session.
ancpSynAckReceived [Ancp Syn Ack Received] (tmnxAncpSesStatRxSynAck)	long	The value of tmnxAncpSesStatRxSynAck indicates the number of GSMP SYN ACK messages received in this ANCP session.
ancpSynAckTransmitted [Ancp Syn Ack Transmitted] (tmnxAncpSesStatTxSynAck)	long	The value of tmnxAncpSesStatTxSynAck indicates the number of GSMP SYN ACK messages that were transmitted to the ANCP neighbor in this ANCP session.
ancpSynReceived [Ancp Syn Received] (tmnxAncpSesStatRxSyn)	long	The value of tmnxAncpSesStatRxSyn indicates the number of GSMP SYN messages received in this ANCP session.
ancpSynTransmitted [Ancp Syn Transmitted] (tmnxAncpSesStatTxSyn)	long	The value of tmnxAncpSesStatTxSyn indicates the number of GSMP SYN messages that were transmitted to the ANCP neighbor in this ANCP session.

Table 532 gsmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ancpTransmittedDropped [Ancp Transmitted Dropped] (tmnxAncpSesStatTxDrop)	long	The value of tmnxAncpSesStatTxDrop indicates the number of GSMP protocol messages that were created by the system in order for them to be sent to the ACNP neighbor, but were never transmitted.

Table 533 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
GroupInterfaceSapStats MIB entry name: vRtrIgmPGrpIfSapStatsEntry Entry description: An entry in the vRtrIgmPGrpIfSapStatsTable. Table description (for vRtrIgmPGrpIfSapStatsTable): The table listing the IGMP statistics for a particular SAP on a group-interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.GroupInterfaceSap		
importPlyDrops [Import Ply Drops] (vRtrIgmPGrpIfSapImportPlyDrops)	long	The value of vRtrIgmPGrpIfSapImportPlyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy tmnxSubIgmPlyImportPolicy.
rxBadChksumPkts [Rx Bad Chksum Pkts] (vRtrIgmPGrpIfSapRxBadChksumPkts)	long	The value of vRtrIgmPGrpIfSapRxBadChksumPkts indicates the total number of IGMP packets with bad checksum received for this SAP.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmPGrpIfSapRxBadEncodings)	long	The value of vRtrIgmPGrpIfSapRxBadEncodings indicates the total number of IGMP packets received for this SAP which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmPGrpIfSapRxBadLenPkts)	long	The value of vRtrIgmPGrpIfSapRxBadLenPkts indicates the total number of IGMP packets with bad length received for this SAP.
rxBadRecvIfPkts [Rx Bad Recv If Pkts] (vRtrIgmPGrpIfSapRxBadRecvIfPkts)	long	The value of vRtrIgmPGrpIfSapRxBadRecvIfPkts indicates the total number of IGMP packets incorrectly received for this SAP.
rxGenQueries [Rx Gen Queries] (vRtrIgmPGrpIfSapRxGenQueries)	long	The value of vRtrIgmPGrpIfSapRxGenQueries indicates the total number of IGMP General Queries received for this SAP.

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrIgmPGrpIfSapRxGrpQueries)	long	The value of vRtrIgmPGrpIfSapRxGrpQueries indicates the number of IGMP Group Specific Queries received for this SAP.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmPGrpIfSapRxGrpSrcQueries)	long	The value of vRtrIgmPGrpIfSapRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received for this SAP.
rxLeaves [Rx Leaves] (vRtrIgmPGrpIfSapRxLeaves)	long	The value of vRtrIgmPGrpIfSapRxLeaves indicates the total number of IGMP V2 Leaves received for this SAP.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmPGrpIfSapRxLocalScopePkts)	long	The value of the object vRtrIgmPGrpIfSapRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmPGrpIfSapRxNoRtrAlertPkts)	long	The value of vRtrIgmPGrpIfSapRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received for this SAP which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmPGrpIfSapRxNonLocal)	long	The value of vRtrIgmPGrpIfSapRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmPGrpIfSapRxPktDrops)	long	The value of vRtrIgmPGrpIfSapRxPktDrops indicates the total number of IGMP packets that were received for this SAP but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmPGrpIfSapRxRsvdScopePkts)	long	The value of the object vRtrIgmPGrpIfSapRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.
rxUnknTypePkts [Rx Unkn Type Pkts] (vRtrIgmPGrpIfSapRxUnknTypePkts)	long	The value of vRtrIgmPGrpIfSapRxUnknTypePkts indicates the total number of IGMP packets with unknown type received for this SAP.

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrIgmPGrpIfSapRxV1Reports)	long	The value of vRtrIgmPGrpIfSapRxV1Reports indicates the total number of IGMP V1 Reports received for this SAP.
rxV2Reports [Rx V2 Reports] (vRtrIgmPGrpIfSapRxV2Reports)	long	The value of vRtrIgmPGrpIfSapRxV2Reports indicates the total number of IGMP V2 Reports received for this SAP.
rxV3Reports [Rx V3 Reports] (vRtrIgmPGrpIfSapRxV3Reports)	long	The value of vRtrIgmPGrpIfSapRxV3Reports indicates the total number of IGMP V3 Reports received for this SAP.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmPGrpIfSapRxWrongVersions)	long	The value of vRtrIgmPGrpIfSapRxWrongVersions indicates the total number of IGMP packets with wrong versions received for this SAP.
statsMcacPlcyDrp [Stats Mcac Plcy Drp] (vRtrIgmPGrpIfSapStatsMcacPlcyDrp)	long	The value of the object vRtrIgmPGrpIfSapStatsMcacPlcyDrp indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy for this SAP.
statsSGTypes [Stats SGTypes] (vRtrIgmPGrpIfSapStatsSGTypes)	long	The value of vRtrIgmPGrpIfSapStatsSGTypes indicates the number of entries for this SAP for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmPGrpIfSapStatsStarGTypes)	long	vRtrIgmPGrpIfSapStatsStarGTypes indicates the number of entries for this SAP for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmPGrpIfSapTxErrors)	long	The value of vRtrIgmPGrpIfSapTxErrors indicates the total number of times there was an error transmitting IGMP packets for this SAP.
txGenQueries [Tx Gen Queries] (vRtrIgmPGrpIfSapTxGenQueries)	long	The value of vRtrIgmPGrpIfSapTxGenQueries indicates the number of IGMP General Queries transmitted for this SAP.

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpQueries [Tx Grp Queries] (vRtrIgmPGrplfSapTxGrpQueries)	long	The value of vRtrIgmPGrplfSapTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted for this SAP.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmPGrplfSapTxGrpSrcQueries)	long	The value of vRtrIgmPGrplfSapTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted for this SAP.
txLeaves [Tx Leaves] (vRtrIgmPGrplfSapTxLeaves)	long	The value of vRtrIgmPGrplfSapTxLeaves indicates the total number of IGMP Leaves transmitted for this SAP.
txV1Reports [Tx V1 Reports] (vRtrIgmPGrplfSapTxV1Reports)	long	The value of vRtrIgmPGrplfSapTxV1Reports indicates the total number of IGMP V1 Reports transmitted for this SAP.
txV2Reports [Tx V2 Reports] (vRtrIgmPGrplfSapTxV2Reports)	long	The value of vRtrIgmPGrplfSapTxV2Reports indicates the total number of IGMP V2 Reports transmitted for this SAP.
txV3Reports [Tx V3 Reports] (vRtrIgmPGrplfSapTxV3Reports)	long	The value of vRtrIgmPGrplfSapTxV3Reports indicates the total number of IGMP V3 Reports transmitted for this SAP.
InterfaceStats MIB entry name: vRtrIgmPlfStatsEntry Entry description: An entry in the vRtrIgmPlfStatsTable. Table description (for vRtrIgmPlfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.

Table 533 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 534 ipsec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IPSecRemoteUserSAStats MIB entry name: tIPsecRUSASStatsEntry Entry description: Information about a single IPsec Remote-User SA Statistics entry. Table description (for tIPsecRUSASStatsTable): Table to retrieve the IPsec Remote-User SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecRemoteUserSecurityAssociation		
bytesProcessed [Bytes Processed] (tIPsecRUSASStatsBytesProcessed)	java. math. BigInteger	The value of tIPsecRUSASStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tIPsecRUSASStatsCryptoErrors)	long	The value of tIPsecRUSASStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tIPsecRUSASStatsPktsProcessed)	java. math. BigInteger	The value of tIPsecRUSASStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tIPsecRUSASStatsPolicyErrors)	long	The value of tIPsecRUSASStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.
replayErrors [Replay Errors] (tIPsecRUSASStatsReplayErrors)	long	The value of tIPsecRUSASStatsReplayErrors indicates the number of replay errors encountered on this SA.

Table 534 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saErrors [Sa Errors] (tIPsecRUSASStatsSAErrors)	long	The value of tIPsecRUSASStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, policy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecRemoteUserStats MIB entry name: tIPsecRUTnIStatsEntry Entry description: Statistics for a single IPsec Remote User Tunnel. Table description (for tIPsecRUTnIStatsTable): Table to store IPsec Remote User Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecRemoteUser		
isakmpEstabTime [Isakmp Estab Time] (tIPsecRUTnIIsakmpEstabTime)	long	The value of tIPsecRUTnIIsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tIPsecRUTnIIsakmpNegLifeTime)	long	The value of tIPsecRUTnIIsakmpNegLifeTime indicates the lifetime negotiated for phase1 lke key.
isakmpState [Isakmp State] (tIPsecRUTnIIsakmpState)	long	The value of tIPsecRUTnIIsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tIPsecRUTnINumCtrlPktsRx)	long	The value of tIPsecRUTnINumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.
numCtrlPktsTx [Num Ctrl Pkts Tx] (tIPsecRUTnINumCtrlPktsTx)	long	The value of tIPsecRUTnINumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.

Table 534 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlRxErrors [Num Ctrl Rx Errors] (tIPsecRUTnlNumCtrlRxErrors)	long	The value of tIPsecRUTnlNumCtrlRxErrors indicates the number of control packet receive errors.
numCtrlTxErrors [Num Ctrl Tx Errors] (tIPsecRUTnlNumCtrlTxErrors)	long	The value of tIPsecRUTnlNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tIPsecRUTnlNumDpdAckRx)	long	The value of tIPsecRUTnlNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tIPsecRUTnlNumDpdAckTx)	long	The value of tIPsecRUTnlNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tIPsecRUTnlNumDpdRx)	long	The value of tIPsecRUTnlNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tIPsecRUTnlNumDpdTx)	long	The value of tIPsecRUTnlNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tIPsecRUTnlNumExpRx)	long	The value of tIPsecRUTnlNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tIPsecRUTnlNumInvalidDpdRx)	long	The value of tIPsecRUTnlNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 534 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPSecSAStats MIB entry name: tmnxIPsecSAStatsEntry Entry description: Information about a single IPsec SA Statistics entry. Table description (for tmnxIPsecSAStatsTable): Table to retrieve the IPsec SA Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecSecurityAssociation</p>		
bytesProcessed [Bytes Processed] (tmnxIPsecSAStatsBytesProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsBytesProcessed indicates the number of bytes successfully processed for this SA.
cryptoErrors [Crypto Errors] (tmnxIPsecSAStatsCryptoErrors)	long	The value of tmnxIPsecSAStatsCryptoErrors indicates the number of crypto errors encountered on this SA. The crypto errors include errors on packets where protocol does not match or if the check on authentication header length failed.
pktsProcessed [Pkts Processed] (tmnxIPsecSAStatsPktsProcessed)	java. math. BigInteger	The value of tmnxIPsecSAStatsPktsProcessed indicates the number of packets successfully processed for this SA.
policyErrors [Policy Errors] (tmnxIPsecSAStatsPolicyErrors)	long	The value of tmnxIPsecSAStatsPolicyErrors indicates the number of policy errors encountered on this SA. The policy errors include bundled SA, selector check and policy direction error.
replayErrors [Replay Errors] (tmnxIPsecSAStatsReplayErrors)	long	The value of tmnxIPsecSAStatsReplayErrors indicates the number of replay errors encountered on this SA.

Table 534 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saErrors [Sa Errors] (tmnxIPsecSAStatsSAErrors)	long	The value of tmnxIPsecSAStatsSAErrors indicates the number of SA errors encountered on this SA. The SA errors include sequence number failure, invalid SA, ploicy version mismatch, illegal authentication algorithm, expanded packet too big, illegal configured algorithm and ttl decrement error.
IPSecTunnelCountStats MIB entry name: tmnxIPsecTunnelCountObjs Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey		
gtwCertTunnels [Gtw Cert Tunnels] (tmnxIPsecGWCertTunnels)	long	The value of tmnxIPsecGWCertTunnels indicates the number of IPSec gateway tunnels with tmnxIkePolicyAuthMethod set to 'cert'.
gtwPskTunnels [Gtw Psk Tunnels] (tmnxIPsecGWPsKtunnels)	long	The value of tmnxIPsecGWPsKtunnels indicates the number of IPSec gateway tunnels with tmnxIkePolicyAuthMethod set to 'psk'.
gtwPskXAuthTunnels [Gtw Psk XAuth Tunnels] (tmnxIPsecGWPsKXAuthTunnels)	long	The value of tmnxIPsecGWPsKXAuthTunnels indicates the number of IPSec gateway tunnels with tmnxIkePolicyAuthMethod set to 'plainPskXAuth'.
pskTunnels [Psk Tunnels] (tmnxIPsecPsKtunnels)	long	The value of tmnxIPsecPsKtunnels indicates the number of IPSec tunnels with tmnxIkePolicyAuthMethod set to 'psk'.

Table 534 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IPSecTunnelStats MIB entry name: tmnxIPsecTunnelStatsEntry Entry description: Statistics for a single IPsec Tunnel. Table description (for tmnxIPsecTunnelStatsTable): Table to store IPsec Tunnel statistics Supports realtime plotting Supports scheduled collection Monitored class: ipsec.IPSecTunnel		
isakmpEstabTime [Isakmp Estab Time] (tmnxIPsecTunnellsakmpEstabTime)	long	The value of tmnxIPsecTunnellsakmpEstabTime indicates the sysUpTime at the time the IPsec phase 1 negotiation completed.
isakmpNegLifeTime [Isakmp Neg Life Time] (tmnxIPsecTunnellsakmpNegLifeTime)	long	The value of tmnxIPsecTunnellsakmpNegLifeTime indicates the lifetime negotiated for phase1 Ike key.
isakmpState [Isakmp State] (tmnxIPsecTunnellsakmpState)	long	The value of tmnxIPsecTunnellsakmpState indicates the state of phase 1 IPsec negotiation.
numCtrlPktsRx [Num Ctrl Pkts Rx] (tmnxIPsecTunnelNumCtrlPktsRx)	long	The value of tmnxIPsecTunnelNumCtrlPktsRx indicates the number of control packets this IPsec Tunnel has received.
numCtrlPktsTx [Num Ctrl Pkts Tx] (tmnxIPsecTunnelNumCtrlPktsTx)	long	The value of tmnxIPsecTunnelNumCtrlPktsTx indicates the number of control packets this IPsec Tunnel has sent.
numCtrlRxErrors [Num Ctrl Rx Errors] (tmnxIPsecTunnelNumCtrlRxErrors)	long	The value of tmnxIPsecTunnelNumCtrlRxErrors indicates the number of control packet receive errors.

Table 534 ipsec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCtrlTxErrors [Num Ctrl Tx Errors] (tmnxIPsecTunnelNumCtrlTxErrors)	long	The value of tmnxIPsecTunnelNumCtrlTxErrors indicates the number of control packet transmit errors.
numDpdAckRx [Num Dpd Ack Rx] (tmnxIPsecTunnelNumDpdAckRx)	long	The value of tmnxIPsecTunnelNumDpdAckRx indicates the number of Dead-Peer-Detection acknowledgement packets received.
numDpdAckTx [Num Dpd Ack Tx] (tmnxIPsecTunnelNumDpdAckTx)	long	The value of tmnxIPsecTunnelNumDpdAckTx indicates the number of Dead-Peer-Detection acknowledgement packets transmitted.
numDpdRx [Num Dpd Rx] (tmnxIPsecTunnelNumDpdRx)	long	The value of tmnxIPsecTunnelNumDpdRx indicates the number of Dead-Peer-Detection packets received.
numDpdTx [Num Dpd Tx] (tmnxIPsecTunnelNumDpdTx)	long	The value of tmnxIPsecTunnelNumDpdTx indicates the number of Dead-Peer-Detection packets transmitted.
numExpRx [Num Exp Rx] (tmnxIPsecTunnelNumExpRx)	long	The value of tmnxIPsecTunnelNumExpRx indicates the number of DPD R-U-THERE packets that have not been acknowledged.
numInvalidDpdRx [Num Invalid Dpd Rx] (tmnxIPsecTunnelNumInvalidDpdRx)	long	The value of tmnxIPsecTunnelNumInvalidDpdRx indicates the number of malformed DPD R-U-THERE acknowledgement packets received.

Table 535 isa statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaGroupEgrQStats</p> <p>MIB entry name: tmnxBsxGrpStatusEgrQEntry</p> <p>Entry description: Each tmnxBsxGrpStatusEgrQEntry contains the Qos status information for traffic incoming to a particular ISA-AA MDA within a group, given a tmnxBsxGrpStatusEgrQDirection and tmnxBsxGrpStatusEgrQIndex.</p> <p>Table description (for tmnxBsxGrpStatusEgrQTable): The tmnxBsxGrpStatusEgrQTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Qos status information for traffic entering an ISA-AA MDA given the tmnxBsxGrpStatusEgrQDirection and tmnxBsxGrpStatusEgrQIndex. An ISA-AA MDA is uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.AaEgrQueue</p>		
droInProfOcts [Dro In Prof Octs] (tmnxBsxGrpStatusEgrQDroInPOcts)	long	The value of tmnxBsxGrpStatusEgrQDroInPOcts indicates the number of in profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droInProfPkts [Dro In Prof Pkts] (tmnxBsxGrpStatusEgrQDroInPPkts)	long	The value of tmnxBsxGrpStatusEgrQDroInPPkts indicates the number of in profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droOutProfOcts [Dro Out Prof Octs] (tmnxBsxGrpStatusEgrQDroOutPOcts)	long	The value of tmnxBsxGrpStatusEgrQDroOutPOcts indicates the number of out of profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
droOutProfPkts [Dro Out Prof Pkts] (tmnxBsxGrpStatusEgrQDroOutPPkts)	long	The value of tmnxBsxGrpStatusEgrQDroOutPPkts indicates the number of out of profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInProfOcts [Fwd In Prof Octs] (tmnxBsxGrpStatusEgrQFwdInPOcts)	long	The value of tmnxBsxGrpStatusEgrQFwdInPOcts indicates the number of in profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdInProfPkts [Fwd In Prof Pkts] (tmnxBsxGrpStatusEgrQFwdInPPkts)	long	The value of tmnxBsxGrpStatusEgrQFwdInPPkts indicates the number of in profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdOutProfOcts [Fwd Out Prof Octs] (tmnxBsxGrpStatusEgrQFwdOutPOcts)	long	The value of tmnxBsxGrpStatusEgrQFwdOutPOcts indicates the number of out of profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
fwdOutProfPkts [Fwd Out Prof Pkts] (tmnxBsxGrpStatusEgrQFwdOutPPkts)	long	The value of tmnxBsxGrpStatusEgrQFwdOutPPkts indicates the number of out of profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroInProfOcts [HCDro In Prof Octs] (tmnxBsxGrpStatusEgrQHCDroInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroInPOcts indicates the number of in profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroInProfPkts [HCDro In Prof Pkts] (tmnxBsxGrpStatusEgrQHCDroInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroInPPkts indicates the number of in profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroOutProfOcts [HCDro Out Prof Octs] (tmnxBsxGrpStatusEgrQHCDroOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroOutPOcts indicates the number of out of profile bytes discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCDroOutProfPkts [HCDro Out Prof Pkts] (tmnxBsxGrpStatusEgrQHCDroOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCDroOutPPkts indicates the number of out of profile packets discarded from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCFwdInProfOcts [HCFwd In Prof Octs] (tmnxBsxGrpStatusEgrQHCFwdInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdInPOcts indicates the number of in profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdInProfPkts [HCFwd In Prof Pkts] (tmnxBsxGrpStatusEgrQHCFwdInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdInPPkts indicates the number of in profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfOcts [HCFwd Out Prof Octs] (tmnxBsxGrpStatusEgrQHCFwdOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdOutPOcts indicates the number of out of profile bytes diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfPkts [HCFwd Out Prof Pkts] (tmnxBsxGrpStatusEgrQHCFwdOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusEgrQHCFwdOutPPkts indicates the number of out of profile packets diverted from ingress IOMs towards the ISA-AA MDA within this group for the particular queue.
<p>AaGroupIngQStats</p> <p>MIB entry name: tmnxBsxGrpStatusIngQEntry</p> <p>Entry description: Each tmnxBsxGrpStatusIngQEntry contains the Qos status information for traffic exiting a particular ISA-AA MDA within a group, given a tmnxBsxGrpStatusInQDirection and tmnxBsxGrpStatusInQIndex.</p> <p>Table description (for tmnxBsxGrpStatusIngQTable): The tmnxBsxGrpStatusIngQTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the Qos status information for traffic exiting an ISA-AA MDA given the tmnxBsxGrpStatusInQDirection and tmnxBsxGrpStatusInQIndex. An ISA-AA MDA is uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.AaIngQueue</p>		
drolnProfOcts [Dro In Prof Octs] (tmnxBsxGrpStatusIngQDroInPOcts)	long	The value of tmnxBsxGrpStatusIngQDroInPOcts indicates the number of in profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droInProfPkts [Dro In Prof Pkts] (tmnxBsxGrpStatusIngQDroInPPkts)	long	The value of tmnxBsxGrpStatusIngQDroInPPkts indicates the number of in profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
droOutProfOcts [Dro Out Prof Octs] (tmnxBsxGrpStatusIngQDroOutPOcts)	long	The value of tmnxBsxGrpStatusIngQDroOutPOcts indicates the number of out of profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
droOutProfPkts [Dro Out Prof Pkts] (tmnxBsxGrpStatusIngQDroOutPPkts)	long	The value of tmnxBsxGrpStatusIngQDroOutPPkts indicates the number of out of profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdInProfOcts [Fwd In Prof Octs] (tmnxBsxGrpStatusIngQFwdInPOcts)	long	The value of tmnxBsxGrpStatusIngQFwdInPOcts indicates the number of in profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdInProfPkts [Fwd In Prof Pkts] (tmnxBsxGrpStatusIngQFwdInPPkts)	long	The value of tmnxBsxGrpStatusIngQFwdInPPkts indicates the number of in profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdOutProfOcts [Fwd Out Prof Octs] (tmnxBsxGrpStatusIngQFwdOutPOcts)	long	The value of tmnxBsxGrpStatusIngQFwdOutPOcts indicates the number of out of profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
fwdOutProfPkts [Fwd Out Prof Pkts] (tmnxBsxGrpStatusIngQFwdOutPPkts)	long	The value of tmnxBsxGrpStatusIngQFwdOutPPkts indicates the number of out of profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroInProfOcts [HCDro In Prof Octs] (tmnxBsxGrpStatusIngQHCDroInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroInPOcts indicates the number of in profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCDroInProfPkts [HCDro In Prof Pkts] (tmnxBsxGrpStatusIngQHCDroInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroInPPkts indicates the number of in profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroOutProfOcts [HCDro Out Prof Octs] (tmnxBsxGrpStatusIngQHCDroOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroOutPOcts indicates the number of out of profile bytes discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCDroOutProfPkts [HCDro Out Prof Pkts] (tmnxBsxGrpStatusIngQHCDroOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCDroOutPPkts indicates the number of out of profile packets discarded towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdInProfOcts [HCFwd In Prof Octs] (tmnxBsxGrpStatusIngQHCFwdInPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdInPOcts indicates the number of in profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdInProfPkts [HCFwd In Prof Pkts] (tmnxBsxGrpStatusIngQHCFwdInPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdInPPkts indicates the number of in profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfOcts [HCFwd Out Prof Octs] (tmnxBsxGrpStatusIngQHCFwdOutPOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdOutPOcts indicates the number of out of profile bytes diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.
hCFwdOutProfPkts [HCFwd Out Prof Pkts] (tmnxBsxGrpStatusIngQHCFwdOutPPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusIngQHCFwdOutPPkts indicates the number of out of profile packets diverted towards egress IOMs from the ISA-AA MDA within this group for the particular queue.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AaSapSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.AccessInterface</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java.math.BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java.math.BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java.math.BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>AaSpokeSdpBindingSumStats</p> <p>MIB entry name: tmnxBsxAaSubSumEntry</p> <p>Entry description: Each tmnxBsxAaSubSumEntry contains the ISA-AA subscriber summary information within a group partition and statistics interval.</p> <p>Table description (for tmnxBsxAaSubSumTable): The tmnxBsxAaSubSumTable contains an entry for each ISA-AA subscriber in the system. Each row contains the subscriber summary information for a given ISA-AA group, partition and statistics interval.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctAdmFmSb.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.
<p>AaSubSumStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxAaSubSumActFlwsFmSb)	long	The value of tmnxBsxAaSubSumActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxAaSubSumActFlwsToSb)	long	The value of tmnxBsxAaSubSumActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsLong [Duration Flows Long] (tmnxBsxAaSubSumHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxAaSubSumHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxAaSubSumHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxAaSubSumShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxAaSubSumHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxAaSubSumHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxAaSubSumHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxAaSubSumHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxAaSubSumFlwsDnyToSb.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdaMdaNum [Mda Mda Num] (tmnxBsxAaSubSumMdaMdaNum)	int	The value of tmnxBsxAaSubSumMdaMdaNum indicates the MDA number of the ISA-AA MDA servicing the subscriber.
mdaSlotNum [Mda Slot Num] (tmnxBsxAaSubSumMdaSlotNum)	int	The value of tmnxBsxAaSubSumMdaSlotNum indicates the slot number of the ISA-AA MDA servicing the subscriber.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxAaSubSumHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxAaSubSumHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxAaSubSumHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxAaSubSumHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxAaSubSumHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxAaSubSumHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsAdmToSb.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxAaSubSumHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxAaSubSumHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxAaSubSumPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxAaSubSumHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlwDur.
termFlows [Term Flows] (tmnxBsxAaSubSumHCTermFlws)	java. math. BigInteger	The value of tmnxBsxAaSubSumHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxAaSubSumTermFlws.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxMdaStats</p> <p>MIB entry name: tmnxBsxGrpStatusEntry</p> <p>Entry description: Each tmnxBsxGrpStatusEntry contains the performance-oriented status information for a particular group and ISA-AA MDA. An index with a valid tmnxBsxIsaAaGroupIndex, tmnxChassisIndex set to one, and a zero value for each of the tmnxBsxCardSlotNum/tmnxMDASlotNum indices will return the summarized per group status. Rows in this table are created by the agent at initialization and cannot be created or destroyed by SNMP Set requests.</p> <p>Table description (for tmnxBsxGrpStatusTable): The tmnxBsxGrpStatusTable contains an entry for each ISA-AA MDA and Group in the system. Each row contains the performance-oriented status information per group for an ISA-AA MDA uniquely identified by the tmnxChassisIndex, tmnxBsxCardSlotNum, and the tmnxMDASlotNum.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaGroupMember 		
bitRateRsdCount [Bit Rate Rsd Count] (tmnxBsxGrpStatusBitRateRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusBitRateRsdCount indicates the number of times the bit rate TCA (tmnxBsxIsaAaGrpBitRate) was raised since system startup.
bitRateRsdTime [Bit Rate Rsd Time] (tmnxBsxGrpStatusBitRateRsdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusBitRateRsdTime indicates the amount of time the bit rate TCA (tmnxBsxIsaAaGrpBitRate) was in the raised state since system startup.
bitRateState [Bit Rate State] (tmnxBsxGrpStatusBitRateState)	int	The value of tmnxBsxGrpStatusBitRateState indicates the state of the bit rate TCA (tmnxBsxIsaAaGrpBitRate).
datapathCpu [Datapath Cpu] (tmnxBsxGrpStatusDatapathCpu)	float	The value of tmnxBsxGrpStatusDatapathCpu indicates the percent utilization of the datapath CPU on the ISA-AA MDA(s).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
datapathCpuAvg [Datapath Cpu Avg] (tmnxBsxGrpStatusDatapathCpuAvg)	float	The value of tmnxBsxGrpStatusDatapathCpuAvg indicates the average percent utilization of the datapath CPU on the ISA-AA MDA(s) within the last 60 minutes.
datapathCpuPeak [Datapath Cpu Peak] (tmnxBsxGrpStatusDatapathCpuPeak)	float	The value of tmnxBsxGrpStatusDatapathCpuPeak indicates the peak percent utilization of the datapath CPU on the ISA-AA MDA(s) since system startup.
datapathCpuRsdCt [Datapath Cpu Rsd Ct] (tmnxBsxGrpStatusDatapathCpuRsdCt)	java. math. BigInteger	The value of tmnxBsxGrpStatusDatapathCpuRsdCt indicates the number of times the datapath CPU TCA (tmnxBsxDatapathCpuUsage) was raised since system startup.
datapathCpuRsdTm [Datapath Cpu Rsd Tm] (tmnxBsxGrpStatusDatapathCpuRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusDatapathCpuRsdTm indicates the amount of time the datapath CPU TCA (tmnxBsxDatapathCpuUsage) was in the raised state since system startup.
datapathCpuState [Datapath Cpu State] (tmnxBsxGrpStatusDatapathCpuState)	int	The value of tmnxBsxGrpStatusDatapathCpuState indicates the state of the datapath CPU TCA (tmnxBsxDatapathCpuUsage).
flowResAvg [Flow Res Avg] (tmnxBsxGrpStatusFlowResAvg)	long	The value of tmnxBsxGrpStatusFlowResAvg indicates the average number of flow resources in-use on the ISA-AA MDA(s) within the last 60 minutes.
flowResMax [Flow Res Max] (tmnxBsxGrpStatusFlowResMax)	long	The value of tmnxBsxGrpStatusFlowResMax indicates the maximum number of flow resources available on the ISA-AA MDA(s).
flowResPeak [Flow Res Peak] (tmnxBsxGrpStatusFlowResPeak)	long	The value of tmnxBsxGrpStatusFlowResPeak indicates the peak number of flow resources in-use on the ISA-AA MDA(s) since system startup.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flowResRaisdTime [Flow Res Raisd Time] (tmnxBsxGrpStatusFlowResRaisdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowResRaisdTime indicates the amount of time the flow resource TCA (tmnxBsxIsaAaGrpFlowFull) was in the raised state since system startup.
flowResRsdCount [Flow Res Rsd Count] (tmnxBsxGrpStatusFlowResRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowResRsdCount indicates the number of times the flow resource TCA (tmnxBsxIsaAaGrpFlowFull) was raised since system startup.
flowResState [Flow Res State] (tmnxBsxGrpStatusFlowResState)	int	The value of tmnxBsxGrpStatusFlowResState indicates the state of the flow resource TCA (tmnxBsxIsaAaGrpFlowFull).
flowResourcesInUse [Flow Resources In Use] (tmnxBsxGrpStatusFlowResInUse)	long	The value of tmnxBsxGrpStatusFlowResInUse indicates the number of flow resources currently in-use on the ISA-AA MDA.
flowSetupRate [Flow Setup Rate] (tmnxBsxGrpStatusFlowSetupRate)	long	The value of tmnxBsxGrpStatusFlowSetupRate indicates the number of flow setups per second over the most recent 10 second period.
flowSetupRsdCnt [Flow Setup Rsd Cnt] (tmnxBsxGrpStatusFlowSetupRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowSetupRsdCnt indicates the number of times the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup) was raised since system startup.
flowSetupRsdTime [Flow Setup Rsd Time] (tmnxBsxGrpStatusFlowSetupRsdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlowSetupRsdTime indicates the amount of time the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup) was in the raised state since system startup.
flowSetupState [Flow Setup State] (tmnxBsxGrpStatusFlowSetupState)	int	The value of tmnxBsxGrpStatusFlowSetupState indicates the state of the flow setup rate TCA (tmnxBsxIsaAaGrpFlowSetup).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
flows [Flows] (tmnxBsxGrpStatusFlows)	long	The value of tmnxBsxGrpStatusFlows indicates the total number of flows created on the ISA-AA MDA(s).
flowsCurrent [Flows Current] (tmnxBsxGrpStatusFlowsCurrent)	long	The value of tmnxBsxGrpStatusFlowsCurrent indicates the number of active flows currently being tracked by the ISA-AA MDA(s).
flwResCtThruOcts [Flw Res Ct Thru Octs] (tmnxBsxGrpStatusFlwResCtThruOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlwResCtThruOcts indicates the number of octets that the ISA-AA MDA(s) have cut-through due to flow resource exhaustion.
flwResCtThruPkts [Flw Res Ct Thru Pkts] (tmnxBsxGrpStatusFlwResCtThruPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusFlwResCtThruPkts indicates the number of packets that the ISA-AA MDA(s) have cut-through due to flow resource exhaustion.
hCFlows [HCFlows] (tmnxBsxGrpStatusHCFlows)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCFlows indicates the number of active flows seen by the ISA-AA MDA(s). Note that if the same 5-tuple is seen for a different flow within the flow timeout, it will still be considered one flow.
hCOctsDiscCongIn [HCOcts Disc Cong In] (tmnxBsxGrpStatusHCOctsDiscCongIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscCongIn indicates the number of bytes discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
hCOctsDiscCongMda [HCOcts Disc Cong Mda] (tmnxBsxGrpStatusHCOctsDisCongMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDisCongMda indicates the number of bytes discarded by the ISA-AA MDA(s) due to congestion.
hCOctsDiscCongOut [HCOcts Disc Cong Out] (tmnxBsxGrpStatusHCOctsDisCongOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDisCongOut indicates the number of bytes discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCOctsDiscErrors [HCOcts Disc Errors] (tmnxBsxGrpStatusHCOctsDiscErrors)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscErrors indicates the number of bytes discarded due to unrecoverable errors.
hCOctsDiscPolicy [HCOcts Disc Policy] (tmnxBsxGrpStatusHCOctsDiscPolicy)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsDiscPolicy indicates the number of bytes discarded by the ISA-AA MDA(s) due to policy policers or discard actions.
hCOctsFromMda [HCOcts From Mda] (tmnxBsxGrpStatusHCOctsFromMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsFromMda indicates the number of bytes which exit the ISA-AA MDA(s) and are sent to the local IOM.
hCOctsIn [HCOcts In] (tmnxBsxGrpStatusHCOctsIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsIn indicates the number of bytes diverted from ingress IOMs towards the ISA-AA MDA(s).
hCOctsInMda [HCOcts In Mda] (tmnxBsxGrpStatusHCOctsInMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsInMda indicates the number of bytes buffered by the ISA-AA MDA(s).
hCOctsInspected [HCOcts Inspected] (tmnxBsxGrpStatusHCOctsInspected)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsInspected indicates the number of bytes sent for protocol determination by the ISA-AA MDA(s).
hCOctsOut [HCOcts Out] (tmnxBsxGrpStatusHCOctsOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsOut indicates the number of bytes returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
hCOctsPolicyByPass [HCOcts Policy By Pass] (tmnxBsxGrpStatusHCOctsPolicyByPass)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsPolicyByPass indicates the number of bytes which passed untouched that did not have statistics or policy applied. These bytes are counted as policy bypass errors.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCOctsToMda [HCOcts To Mda] (tmnxBsxGrpStatusHCOctsToMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCOctsToMda indicates the number of bytes sent from an IOM which enter the ISA-AA MDA(s).
hCPktsDiscCongIn [HCPkts Disc Cong In] (tmnxBsxGrpStatusHCPktsDiscCongIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscCongIn indicates the number of packets discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
hCPktsDiscCongMda [HCPkts Disc Cong Mda] (tmnxBsxGrpStatusHCPktsDisCongMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDisCongMda indicates the number of packets discarded by the ISA-AA MDA(s) due to congestion.
hCPktsDiscCongOut [HCPkts Disc Cong Out] (tmnxBsxGrpStatusHCPktsDisCongOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDisCongOut indicates the number of packets discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
hCPktsDiscErrors [HCPkts Disc Errors] (tmnxBsxGrpStatusHCPktsDiscErrors)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscErrors indicates the number of packets discarded due to unrecoverable errors.
hCPktsDiscPolicy [HCPkts Disc Policy] (tmnxBsxGrpStatusHCPktsDiscPolicy)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsDiscPolicy indicates the number of packets discarded by the ISA-AA MDA(s) due to policy policers or discard actions.
hCPktsFromMda [HCPkts From Mda] (tmnxBsxGrpStatusHCPktsFromMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsFromMda indicates the number of packets which exit the ISA-AA MDA(s) and are sent to the local IOM.
hCPktsIn [HCPkts In] (tmnxBsxGrpStatusHCPktsIn)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsIn indicates the number of packets diverted from ingress IOMs towards the ISA-AA MDA(s).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hCPktsInMda [HCPkts In Mda] (tmnxBsxGrpStatusHCPktsInMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInMda indicates the number of packets buffered by the ISA-AA MDA(s).
hCPktsInPchipErrors [HCPkts In Pchip Errors] (tmnxBsxGrpStatusHCPktsInPChipErs)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInPChipErs indicates the number of packets discarded by the egress P-chip due to errors in the packets.
hCPktsInspected [HCPkts Inspected] (tmnxBsxGrpStatusHCPktsInspected)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsInspected indicates the number of packets sent for protocol determination by the ISA-AA MDA(s).
hCPktsOut [HCPkts Out] (tmnxBsxGrpStatusHCPktsOut)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsOut indicates the number of packets returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
hCPktsOutPchipErrors [HCPkts Out Pchip Errors] (tmnxBsxGrpStatusHCPktsOutPChipEr)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsOutPChipEr indicates the number of packets discarded by the ingress P-chip due to errors in the packets which return to the normal forwarding path.
hCPktsPolicyByPass [HCPkts Policy By Pass] (tmnxBsxGrpStatusHCPktsPolicyByps)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsPolicyByps indicates the number of packets which passed untouched that did not have statistics or policy applied. These packets are counted as policy bypass errors.
hCPktsToMda [HCPkts To Mda] (tmnxBsxGrpStatusHCPktsToMda)	java. math. BigInteger	The value of tmnxBsxGrpStatusHCPktsToMda indicates the number of packets sent from an IOM which enter the ISA-AA MDA(s).
mgmtCpu [Mgmt Cpu] (tmnxBsxGrpStatusMgmtCpu)	float	The value of tmnxBsxGrpStatusMgmtCpu indicates the percent utilization of the management CPU on the ISA-AA MDA(s).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mgmtCpuAvg [Mgmt Cpu Avg] (tmnxBsxGrpStatusMgmtCpuAvg)	float	The value of tmnxBsxGrpStatusMgmtCpuAvg indicates the average percent utilization of the management CPU on the ISA-AA MDA(s) within the last 60 minutes.
mgmtCpuPeak [Mgmt Cpu Peak] (tmnxBsxGrpStatusMgmtCpuPeak)	float	The value of tmnxBsxGrpStatusMgmtCpuPeak indicates the peak percent utilization of the management CPU on the ISA-AA MDA(s) since system startup.
octsDiscCongIn [Octs Disc Cong In] (tmnxBsxGrpStatusOctsDiscCongIn)	long	The value of tmnxBsxGrpStatusOctsDiscCongIn indicates the number of bytes discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
octsDiscCongMda [Octs Disc Cong Mda] (tmnxBsxGrpStatusOctsDisCongMda)	long	The value of tmnxBsxGrpStatusOctsDisCongMda indicates the number of bytes discarded by the ISA-AA MDA(s) due to congestion.
octsDiscCongOut [Octs Disc Cong Out] (tmnxBsxGrpStatusOctsDisCongOut)	long	The value of tmnxBsxGrpStatusOctsDisCongOut indicates the number of bytes discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
octsDiscErrors [Octs Disc Errors] (tmnxBsxGrpStatusOctsDiscErrors)	long	The value of tmnxBsxGrpStatusOctsDiscErrors indicates the number of bytes discarded due to unrecoverable errors.
octsDiscPolicy [Octs Disc Policy] (tmnxBsxGrpStatusOctsDiscPolicy)	long	The value of tmnxBsxGrpStatusOctsDiscPolicy indicates the number of bytes discarded by the ISA-AA MDA(s) due to policy.
octsDiscTcpOpt [Octs Disc Tcp Opt] (tmnxBsxGrpStatusOctsDiscTcpOpt)	java. math. BigInteger	The value of tmnxBsxGrpStatusOctsDiscTcpOpt indicates the number of octets that the ISA-AA MDA has discarded due to the TCP optimization configuration in tmnxBsxTcpOptTable.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsFromMda [Octs From Mda] (tmnxBsxGrpStatusOctsFromMda)	long	The value of tmnxBsxGrpStatusOctsFromMda indicates the number of bytes which exit the ISA-AA MDA(s) and are sent to the local IOM.
octsGenTcpOpt [Octs Gen Tcp Opt] (tmnxBsxGrpStatusOctsGenTcpOpt)	java. math. BigInteger	The value of tmnxBsxGrpStatusOctsGenTcpOpt indicates the number of octets that the ISA-AA MDA has created due to the TCP optimization configuration in tmnxBsxTcpOptTable.
octsIn [Octs In] (tmnxBsxGrpStatusOctsIn)	long	The value of tmnxBsxGrpStatusOctsIn indicates the number of bytes diverted from ingress IOMs towards the ISA-AA MDA(s).
octsInMda [Octs In Mda] (tmnxBsxGrpStatusOctsInMda)	long	The value of tmnxBsxGrpStatusOctsInMda indicates the number of bytes buffered by the ISA-AA MDA(s).
octsInspected [Octs Inspected] (tmnxBsxGrpStatusOctsInspected)	long	The value of tmnxBsxGrpStatusOctsInspected indicates the number of bytes sent for protocol determination by the ISA-AA MDA(s).
octsOut [Octs Out] (tmnxBsxGrpStatusOctsOut)	long	The value of tmnxBsxGrpStatusOctsOut indicates the number of bytes returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
octsPolicyByPass [Octs Policy By Pass] (tmnxBsxGrpStatusOctsPolicyByPass)	long	The value of tmnxBsxGrpStatusOctsPolicyByPass indicates the number of bytes which pass untouched that did not have statistics or policy applied. These bytes are counted as policy bypass errors.
octsToMda [Octs To Mda] (tmnxBsxGrpStatusOctsToMda)	long	The value of tmnxBsxGrpStatusOctsToMda indicates the number of bytes sent from an IOM which enter the ISA-AA MDA(s).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ovrldCtThruOcts [OvrlD Ct Thru Octs] (tmnxBsxGrpStatusOvrlDcTThruOcts)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrlDcTThruOcts indicates the number of octets that the ISA-AA MDA(s) have cut-through due to overload. This counter is enabled using the configuration object tmnxBsxIsaAaGrpOverloadCutThru.
ovrldCtThruPkts [OvrlD Ct Thru Pkts] (tmnxBsxGrpStatusOvrlDcTThruPkts)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrlDcTThruPkts indicates the number of packets that the ISA-AA MDA(s) have cut-through due to overload. This counter is enabled using the configuration object tmnxBsxIsaAaGrpOverloadCutThru.
ovrldCtThruRsdCt [OvrlD Ct Thru Rsd Ct] (tmnxBsxGrpStatusOvrlDcTThruRsdCt)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrlDcTThruRsdCt indicates the number of times the overload cut-through TCA (tmnxBsxIsaAaGrpOvrlDcutthru) was raised since system startup.
ovrldCtThruRsdTm [OvrlD Ct Thru Rsd Tm] (tmnxBsxGrpStatusOvrlDcTThruRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusOvrlDcTThruRsdTm indicates the amount of time the overload cut-through TCA (tmnxBsxIsaAaGrpOvrlDcutthru) was in the raised state since system startup.
ovrldCtThruState [OvrlD Ct Thru State] (tmnxBsxGrpStatusOvrlDcTThruState)	int	The value of tmnxBsxGrpStatusOvrlDcTThruState indicates the state of the overload cut-through TCA (tmnxBsxIsaAaGrpOvrlDcutthru).
packetRate [Packet Rate] (tmnxBsxGrpStatusPacketRate)	long	The value of tmnxBsxGrpStatusPacketRate indicates the current number of packets per second incoming to the ISA-AA MDA(s).
pktRateRaisdTime [Pkt Rate Raisd Time] (tmnxBsxGrpStatusPktRateRaisdTime)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktRateRaisdTime indicates the amount of time the packet rate TCA (tmnxBsxIsaAaGrp-PacketRate) was in the raised state since system startup.
pktRateRsdCount [Pkt Rate Rsd Count] (tmnxBsxGrpStatusPktRateRsdCount)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktRateRsdCount indicates the number of times the packet rate TCA (tmnxBsxIsaAaGrp-PacketRate) was raised since system startup.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktRateState [Pkt Rate State] (tmnxBsxGrpStatusPktRateState)	int	The value of tmnxBsxGrpStatusPktRateState indicates the state of the packet rate TCA (tmnxBsxIsaAaGrpPacketRate).
pktsDiscCongIn [Pkts Disc Cong In] (tmnxBsxGrpStatusPktsDiscCongIn)	long	The value of tmnxBsxGrpStatusPktsDiscCongIn indicates the number of packets discarded by the IOMs prior to the ISA-AA MDA(s) due to egress IOM congestion.
pktsDiscCongMda [Pkts Disc Cong Mda] (tmnxBsxGrpStatusPktsDisCongMda)	long	The value of tmnxBsxGrpStatusPktsDisCongMda indicates the number of packets discarded by the ISA-AA MDA(s) due to congestion.
pktsDiscCongOut [Pkts Disc Cong Out] (tmnxBsxGrpStatusPktsDisCongOut)	long	The value of tmnxBsxGrpStatusPktsDisCongOut indicates the number of packets discarded by the IOMs after the ISA-AA MDA(s) due to ingress IOM congestion.
pktsDiscErrors [Pkts Disc Errors] (tmnxBsxGrpStatusPktsDiscErrors)	long	The value of tmnxBsxGrpStatusPktsDiscErrors indicates the number of packets discarded due to unrecoverable errors.
pktsDiscPolicy [Pkts Disc Policy] (tmnxBsxGrpStatusPktsDiscPolicy)	long	The value of tmnxBsxGrpStatusPktsDiscPolicy indicates the number of packets discarded by the ISA-AA MDA(s) due to policy.
pktsDiscTcpOpt [Pkts Disc Tcp Opt] (tmnxBsxGrpStatusPktsDiscTcpOpt)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktsDiscTcpOpt indicates the number of packets that the ISA-AA MDA has discarded due to the TCP optimization configuration in tmnxBsxTcpOptTable.
pktsFromMda [Pkts From Mda] (tmnxBsxGrpStatusPktsFromMda)	long	The value of tmnxBsxGrpStatusPktsFromMda indicates the number of packets which exit the ISA-AA MDA(s) and are sent to the local IOM.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsGenTcpOpt [Pkts Gen Tcp Opt] (tmnxBsxGrpStatusPktsGenTcpOpt)	java. math. BigInteger	The value of tmnxBsxGrpStatusPktsGenTcpOpt indicates the number of packets that the ISA-AA MDA has created due to the TCP optimization configuration in tmnxBsxTcpOptTable.
pktsIn [Pkts In] (tmnxBsxGrpStatusPktsIn)	long	The value of tmnxBsxGrpStatusPktsIn indicates the number of packets diverted from ingress IOMs towards the ISA-AA MDA(s).
pktsInMda [Pkts In Mda] (tmnxBsxGrpStatusPktsInMda)	long	The value of tmnxBsxGrpStatusPktsInMda indicates the number of packets buffered by the ISA-AA MDA(s).
pktsInPChipErrors [Pkts In PChip Errors] (tmnxBsxGrpStatusPktsInPChipErs)	long	The value of tmnxBsxGrpStatusPktsInPChipErs indicates the number of packets discarded by the egress P-chip due to errors in the packets.
pktsInspected [Pkts Inspected] (tmnxBsxGrpStatusPktsInspected)	long	The value of tmnxBsxGrpStatusPktsInspected indicates the number of packets sent for protocol determination by the ISA-AA MDA(s).
pktsOut [Pkts Out] (tmnxBsxGrpStatusPktsOut)	long	The value of tmnxBsxGrpStatusPktsOut indicates the number of packets returned to the normal forwarding path that are sent to egress IOMs from the ISA-AA MDA(s).
pktsOutPChipErrors [Pkts Out PChip Errors] (tmnxBsxGrpStatusPktsOutPChipEr)	long	The value of tmnxBsxGrpStatusPktsOutPChipEr indicates the number of packets discarded due to an error detected by the P-chip while attempting to return the packet to the normal forwarding path.
pktsPolicyByPass [Pkts Policy By Pass] (tmnxBsxGrpStatusPktsPolicyByps)	long	The value of tmnxBsxGrpStatusPktsPolicyByps indicates the number of packets which passed untouched that did not have statistics or policy applied. These packets are counted as policy bypass errors.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsToMda [Pkts To Mda] (tmnxBsxGrpStatusPktsToMda)	long	The value of tmnxBsxGrpStatusPktsToMda indicates the number of packets sent from an IOM which enter the ISA-AA MDA(s).
subsCurrent [Subs Current] (tmnxBsxGrpStatusSubsCurrent)	long	The value of tmnxBsxGrpStatusSubsCurrent indicates the number of subscribers currently with flow records in the ISA-AA MDA(s).
subsDiverted [Subs Diverted] (tmnxBsxGrpStatusSubsDiverted)	long	The value of tmnxBsxGrpStatusSubsDiverted indicates the number of subscribers defined in TIMETRA-SUBSCRIBER-MGMT-MIB::tmnxSubInfoAppProfile in the tmnxSubscriberInfoTable with tmnxBsxAppProfDivert set to 'true'.
trafficRate [Traffic Rate] (tmnxBsxGrpStatusTrafficRate)	long	The value of tmnxBsxGrpStatusTrafficRate indicates the traffic rate in kilo-bits per second (kbps) incoming to the ISA-AA MDA(s).
waSBfFmSub [Wa SBf Fm Sub] (tmnxBsxGrpStatusWaSBfFmSub)	float	The value of tmnxBsxGrpStatusWaSBfFmSub indicates the percent utilization of the subscriber to network weighted average shared buffer on the ISA-AA MDA(s).
waSBfFmSubRsdCnt [Wa SBf Fm Sub Rsd Cnt] (tmnxBsxGrpStatusWaSBfFmSubRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfFmSubRsdCnt indicates the number of times the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld) was raised since system startup.
waSBfFmSubRsdTm [Wa SBf Fm Sub Rsd Tm] (tmnxBsxGrpStatusWaSBfFmSubRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfFmSubRsdTm indicates the amount of time the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld) was in the raised state since system startup.
waSBfFmSubState [Wa SBf Fm Sub State] (tmnxBsxGrpStatusWaSBfFmSubState)	int	The value of tmnxBsxGrpStatusWaSBfFmSubState indicates the state of the subscriber to network weighted average shared buffer TCA (tmnxBsxIsaAaGrpFmSbWaSBufOvld).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
waSBfToSub [Wa SBf To Sub] (tmnxBsxGrpStatusWaSBfToSub)	float	The value of tmnxBsxGrpStatusWaSBfToSub indicates the percent utilization of the network to subscriber weighted average shared buffer on the ISA-AA MDA(s).
waSBfToSubRsdCnt [Wa SBf To Sub Rsd Cnt] (tmnxBsxGrpStatusWaSBfToSubRsdCnt)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfToSubRsdCnt indicates the number of times the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld) was raised since system startup.
waSBfToSubRsdTm [Wa SBf To Sub Rsd Tm] (tmnxBsxGrpStatusWaSBfToSubRsdTm)	java. math. BigInteger	The value of tmnxBsxGrpStatusWaSBfToSubRsdTm indicates the amount of time the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld) was in the raised state since system startup.
waSBfToSubState [Wa SBf To Sub State] (tmnxBsxGrpStatusWaSBfToSubState)	int	The value of tmnxBsxGrpStatusWaSBfToSubState indicates the state of the network to subscriber weighted average shared buffer TCA (tmnxBsxIsaAaGrpToSbWaSBufOvld).
<p>IsaLnsGroupMemberStats</p> <p>MIB entry name: tmnxL2tpIsaMdaStatisticsEntry</p> <p>Entry description: Each conceptual row contains statistics information about a Media Dependent Adapter (MDA) of an L2TP ISA Group. Entries in this table are created and removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tpIsaMdaStatisticsTable): The tmnxL2tpIsaMdaStatisticsTable contains statistics information about the Media Dependent Adapters (MDA) of an L2TP ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.LnsGroupMember</p>		
InsL2tpMlpppSequenceNumberReset [Lns L2 tp Mlppp Sequence Number Reset] (tmnxL2tpIsaMdaStatsValue)	java. math. BigInteger	The value of the object tmnxL2tpIsaMdaStatsValue indicates the value of the statistics contained in this conceptual row.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LnsGroupMemberStats</p> <p>MIB entry name: tmnxL2tplsaMdaStatEntry</p> <p>Entry description: Each conceptual row contains status and statistics information about a Media Dependent Adapter (MDA) of an L2TP ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxL2tplsaMdaStatTable): The tmnxL2tplsaMdaStatTable contains status and statistics information about the Media Dependent Adapters (MDA) of an L2TP ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.LnsGroupMember</p>		
operState [Oper State] (tmnxL2tplsaMdaStatOperState)	int	The value of tmnxL2tplsaMdaStatOperState indicates the operational state of this L2TP ISA MDA.
sessions [Sessions] (tmnxL2tplsaMdaStatSessions)	long	The value of tmnxL2tplsaMdaStatOperState indicates the actual number of PPP sessions on this L2TP ISA MDA.
<p>MgCardStats</p> <p>MIB entry name: tmnxMobGwEntry</p> <p>Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed.</p> <p>Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • lte.PDNGateway • lte.ServingGateway 		

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
mmeUsingS11u [Mme Using S11 u] (tmnxMobServStatMmeUsingS11u)	long	The value of tmnxMobServStatMmeUsingS11u indicates the number of Mobility Management Entities (MMEs) using S11-U.
noOfEmergencyPDNSess [No Of Emergency PDNSess] (tmnxMobServStatEmergencyPdnSess)	long	The value of tmnxMobServStatEmergencyPdnSess indicates the number of Emergency PDN sessions on this card.
noOfSuspendedUE [No Of Suspended UE] (tmnxMobServStatNumSuspendedUE)	long	The value of tmnxMobServStatNumSuspendedUE indicates the number of User Equipments (UE) in the suspended state.
pagingDrops [Paging Drops] (tmnxMobServStatPagingDrops)	long	The value of tmnxMobServStatPagingDrops indicates the number of packets that are dropped while the User Equipment (UE) is in paging mode.
servStatABSDrpdReq [Serv Stat ABSDrpd Req] (tmnxMobServStatABSDrpdReq)	long	The value of tmnxMobServStatABSDrpdReq indicates the number of dropped requests due to overload on this card.
servStatActiveBearers [Serv Stat Active Bearers] (tmnxMobServStatActiveBearers)	long	The value of tmnxMobServStatActiveBearers indicates the number of active bearers being served by this card.
servStatApn [Serv Stat Apn] (tmnxMobServStatApn)	long	The value of tmnxMobServStatApn indicates the number of Access Point Names (APNs) being served by this card.
servStatBearers [Serv Stat Bearers] (tmnxMobServStatBearers)	long	The value of tmnxMobServStatBearers indicates the number of bearers being served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
servStatBuffersAllocErr [Serv Stat Buffers Alloc Err] (tmnxMobServStatBuffersAllocErr)	long	The value of tmnxMobServStatBuffersAllocErr indicates the number of paging buffers not available errors on this card.
servStatBuffersAllocated [Serv Stat Buffers Allocated] (tmnxMobServStatBuffersAllocated)	long	The value of tmnxMobServStatBuffersAllocated indicates the number of allocated paging buffers on this card.
servStatBuffersAvailable [Serv Stat Buffers Available] (tmnxMobServStatBuffersAvailable)	long	The value of tmnxMobServStatBuffersAvailable indicates the number of available paging buffers on this card.
servStatDedicatedBearers [Serv Stat Dedicated Bearers] (tmnxMobServStatDedicatedBearers)	long	The value of tmnxMobServStatDedicatedBearers indicates the number of dedicated bearers being served by this card.
servStatDefaultBearers [Serv Stat Default Bearers] (tmnxMobServStatDefaultBearers)	long	The value of tmnxMobServStatDefaultBearers indicates the number of default bearers being served by this card.
servStatGaCdrBuffered [Serv Stat Ga Cdr Buffered] (tmnxMobServStatGaCdrBuffered)	long	The value of tmnxMobServStatGaCdrBuffered indicates the number of Ga Charging Data Records (CDRs) sent to the CPM and stored on compact flash because of a Charging Gateway Function (CGF) outage or no CGF peers configured by the gateway on this card.
servStatGaDrtReqMaxQueued [Serv Stat Ga Drt Req Max Queued] (tmnxMobServStatGaDrtReqMaxQueued)	long	The value of tmnxMobServStatGaDrtReqMaxQueued indicates the number of Ga GPRS Tunneling Protocol (GTP) Data Record Transfer (DRT) Request messages queued by the gateway on this card at a given time. This is the high water mark for the DRT message queue served by the gateway on this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
servStatGaDrtReqQueue [Serv Stat Ga Drt Req Queue] (tmnxMobServStatGaDrtReqQueue)	long	The value of tmnxMobServStatGaDrtReqQueue indicates the current number of Ga GPRS Tunneling Protocol (GTP) Data Record Transfer (DRT) Request messages queued or in the process of being sent to the Charging Gateway Function (CGF) by the gateway on this card.
servStatIdleBearers [Serv Stat Idle Bearers] (tmnxMobServStatIdleBearers)	long	The value of tmnxMobServStatIpv4v6Bearers indicates the number of idle bearers being served by this card.
servStatIdleUes [Serv Stat Idle Ues] (tmnxMobServStatIdleUes)	long	The value of tmnxMobServStatIdleUes indicates the number of idle User Equipments (UE) being served by this card.
servStatIpv4Bearers [Serv Stat Ipv 4 Bearers] (tmnxMobServStatIpv4Bearers)	long	The value of tmnxMobServStatIpv4Bearers indicates the number of IPv4 bearers being served by this card.
servStatIpv4Sdf [Serv Stat Ipv 4 Sdf] (tmnxMobServStatIpv4Sdf)	long	The value of tmnxMobServStatIpv4Sdf indicates the number of IPv4 Service Data Flows (SDFs) on this card.
servStatIpv4v6Bearers [Serv Stat Ipv 4 v 6 Bearers] (tmnxMobServStatIpv4v6Bearers)	long	The value of tmnxMobServStatIpv4v6Bearers indicates the number of IPv4v6 bearers being served by this card.
servStatIpv6Bearers [Serv Stat Ipv 6 Bearers] (tmnxMobServStatIpv6Bearers)	long	The value of tmnxMobServStatIpv6Bearers indicates the number of IPv6 bearers being served by this card.
servStatIpv6Sdf [Serv Stat Ipv 6 Sdf] (tmnxMobServStatIpv6Sdf)	long	The value of tmnxMobServStatIpv6Sdf indicates the number of IPv6 Service Data Flows (SDFs) on this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
servStatLowPriSess [Serv Stat Low Pri Sess] (tmnxMobServStatLowPriSess)	long	The value of tmnxMobServStatLowPriSess indicates the number of low priority Serving Gateway (SGW) sessions.
servStatPagingInProgress [Serv Stat Paging In Progress] (tmnxMobServStatPagingInProgress)	long	The value of tmnxMobServStatPagingInProgress indicates the number of paging processes in progress on this card.
servStatRfAcctIntBuf [Serv Stat Rf Acct Int Buf] (tmnxMobServStatRfAcctIntBuf)	long	The value of tmnxMobServStatRfAcctIntBuf indicates the number of Accounting Request (ACR) Interim messages buffered by this card.
servStatRfAcctStartBuf [Serv Stat Rf Acct Start Buf] (tmnxMobServStatRfAcctStartBuf)	long	The value of tmnxMobServStatRfAcctStartBuf indicates the number of Accounting Request (ACR) Start messages buffered by this card.
servStatRfAcctStopBuf [Serv Stat Rf Acct Stop Buf] (tmnxMobServStatRfAcctStopBuf)	long	The value of tmnxMobServStatRfAcctStopBuf indicates the number of Accounting Request (ACR) Stop messages buffered by this card.
servStatRfPeer [Serv Stat Rf Peer] (tmnxMobServStatRfPeer)	long	The value of tmnxMobServStatRfPeer indicates the number of peers on the Rf reference point being served by this card.
servStatRncs [Serv Stat Rncs] (tmnxMobServStatRncs)	long	The value of tmnxMobServStatRncs indicates the number of Radio Network Controllers (RNCs) being served by this card.
servStatRoamers [Serv Stat Roamers] (tmnxMobServStatRoamers)	long	The value of tmnxMobServStatRoamers indicates the number of roamers being served by this card.
servStatSgsns [Serv Stat Sgsns] (tmnxMobServStatSgsns)	long	The value of tmnxMobServStatSgsns indicates the number of Serving General Packet Radio Service (GPRS) Support Node (SGSNs) being served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
servStatUes [Serv Stat Ues] (tmnxMobServStatUes)	long	The value of tmnxMobServStatUes indicates the number of User Equipments (UE) being served by this card.
servStatVisitors [Serv Stat Visitors] (tmnxMobServStatVisitors)	long	The value of tmnxMobServStatVisitors indicates the number of visitors being served by this card.
slotId [Slot Id] (tmnxMobServCardSlotNum)	long	The value of tmnxMobServCardSlotNum indicates the slot number of this card.
<p>MglsaSdfStats MIB entry name: tmnxMobGwlsMgSdfEntry Entry description: Each row entry represents Service Data Flow (SDF) entries allocated and used in a mobile system group configured in the system. Table description (for tmnxMobGwlsMgSdfTable): The tmnxMobGwlsMgSdfTable has an entry for each mobile system group configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: isa.MglsaGroup</p>		
groupNumber [Group Number] (tmnxMobGwlsMgGrpNum)	long	The value of tmnxMobGwlsMgGrpNum uniquely identifies a mobile system group.
sdfAssigned [Sdf Assigned] (tmnxMobGwlsMgSdfAssigned)	long	The value of tmnxMobGwlsMgSdfAssigned specifies the number of Service Data Flow (SDF) entries provisioned in Line Card Processor (LCP).
sdfFpTotal [Sdf Fp Total] (tmnxMobGwlsMgSdfFpTotal)	long	The value of tmnxMobGwlsMgSdfFpTotal specifies the total number of Service Data Flow (SDF) entries available in Fast Path (FP).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdfInUse [Sdf In Use] (tmnxMobGwIsmMgSdfInUse)	long	The value of tmnxMobGwIsmMgSdfInUse specifies the actual Service Data Flow (SDF) entries programmed in Fast Path (FP).
sdfLcpTotal [Sdf Lcp Total] (tmnxMobGwIsmMgSdfLcpTotal)	long	The value of tmnxMobGwIsmMgSdfLcpTotal specifies the total number of Service Data Flow (SDF) entries available in Line Card Processor (LCP).
<p>PdnAttachFailureStats MIB entry name: tmnxCardEntry Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal. Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system. Supports realtime plotting Supports scheduled collection Monitored class: lte.PDNGateway</p>		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
createPktIssue [Create Pkt Issue] (tmnxMobPdnStatAfCreatePktIssue)	java. math. BigInteger	The value of tmnxMobPdnStatAfCreatePktIssue indicates the number of session attach failures due to create packet has some issue.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
gtpNoResource [Gtp No Resource] (tmnxMobPdnStatAfGtpNoResource)	java. math. BigInteger	The value of tmnxMobPdnStatAfGtpNoResource indicates the number of session attach failures due to GPRS Tunneling Protocol (GTP) module has no resources.
internalError [Internal Error] (tmnxMobPdnStatAfInternalError)	java. math. BigInteger	The value of tmnxMobPdnStatAfInternalError indicates the number of session attach failures due to internal error.
invalidPeer [Invalid Peer] (tmnxMobPdnStatAfInvalidPeer)	java. math. BigInteger	The value of tmnxMobPdnStatAfInvalidPeer indicates the number of session attach failures due to invalid peer.
ipAddrNotAvail [Ip Addr Not Avail] (tmnxMobPdnStatAfIpAddrNotAvail)	java. math. BigInteger	The value of tmnxMobPdnStatAfIpAddrNotAvail indicates the number of session attach failures due to IP address is not available in the request.
missingInvalidIe [Missing Invalid Ie] (tmnxMobPdnStatAfMissingInvalidIe)	java. math. BigInteger	The value of tmnxMobPdnStatAfMissingInvalidIe indicates the number of session attach failures due to missing invalid IE.
packetDrop [Packet Drop] (tmnxMobPdnStatAfPacketDrop)	java. math. BigInteger	The value of tmnxMobPdnStatAfPacketDrop indicates the number of session attach failures due to packet drop.
peerAdminDown [Peer Admin Down] (tmnxMobPdnStatAfPeerAdminDown)	java. math. BigInteger	The value of tmnxMobPdnStatAfPeerAdminDown indicates the number of session attach failures due to peer down operation using peer list from the administrator.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerDown [Peer Down] (tmnxMobPdnStatAfPeerDown)	java. math. BigInteger	The value of tmnxMobPdnStatAfPeerDown indicates the number of session attach failures due to peer is going down.
peerRecovCount [Peer Recov Count] (tmnxMobPdnStatAfPeerRecovCount)	java. math. BigInteger	The value of tmnxMobPdnStatAfPeerRecovCount indicates the number of session attach failures due to peer recovery count has changed.
pgwOverload [Pgw Overload] (tmnxMobPdnStatAfPgwOverload)	java. math. BigInteger	The value of tmnxMobPdnStatAfPgwOverload indicates the number of session attach failures due to PGW overload.
<p>PdnGwCardAdditionalStats</p> <p>MIB entry name: tmnxMobPdnStatExtEntry</p> <p>Entry description: Each row entry represents a Mobility Service Module (MSM) and contains statistics for this card. When the value of tmnxCardSlotNum is equal to '0', then each row entry contains aggregated statistics for a given gateway.</p> <p>Table description (for tmnxMobPdnStatExtTable): The tmnxMobPdnStatTable has an entry for each each Mobility Service Module (MSM) configured in the mobility system group defined for a Packet Data Network Gateway (PGW). The tmnxMobPdnStatExtTable provides an extension of the tmnxMobPdnStatTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • lte.PDNGateway 		
comboLowPriSess [Combo Low Pri Sess] (tmnxMobPdnStatComboLowPriSess)	long	The value of tmnxMobPdnStatComboLowPriSess indicates the number of low priority combo sessions.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
comboNonIpPdnSessions [Combo Non Ip Pdn Sessions] (tmnxMobPdnStatComboNonIpSessions)	long	The value of tmnxMobPdnStatComboNonIpSessions indicates the number of combined gateway non-IP PDN Sessions being served by this card.
emerCallReq [Emer Call Req] (tmnxMobPdnStatEmerCallReq)	long	The value of tmnxMobPdnStatEmerCallReq indicates the number of Active Emergency Call Requests served by ePDG.
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
gyCcrBuffered [Gy Ccr Buffered] (tmnxMobPdnStatGyCcrBuffered)	long	The value of tmnxMobPdnStatGyCcrBuffered indicates the number of Gy Credit Control Requests (CCRs) sent to the PCRF and stored on compact flash because of a PCRF outage.
nonIpPdnSessions [Non Ip Pdn Sessions] (tmnxMobPdnStatNonIpPdnSessions)	long	The value of tmnxMobPdnStatNonIpPdnSessions indicates the number of non-IP PDN Sessions being served by this card.
numWlanAp [Num Wlan Ap] (tmnxMobPdnStatNumWlanAp)	long	The value of tmnxMobPdnStatNumWlanAp indicates the number of Wireless Local Area Network (WLAN) Access Points (AP) per PDN.
pgwLowPriSess [Pgw Low Pri Sess] (tmnxMobPdnStatPgwLowPriSess)	long	The value of tmnxMobPdnStatComboLowPriSess indicates the number of low priority Packet Data Network (PDN) sessions.
slotId [Slot Id] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
steeringDefSess [Steering Def Sess] (tmnxMobPdnStatSteeringDefSess)	long	The value of tmnxMobPdnStatSteeringDefSess indicates number of steering default sessions.
twagNswoSess [Twag NswoSess] (tmnxMobPdnStatTwagNswoSess)	long	The value of tmnxMobPdnStatTwagNswoSess indicates the number of Trusted WLAN Access Gateway (TWAG) NWSO sessions per Packet Data Network (PDN).
twagOpenSsidSess [Twag Open Ssid Sess] (tmnxMobPdnStatTwagOpenSsidSess)	long	The value of tmnxMobPdnStatTwagOpenSsidSess indicates the number of Trusted WLAN Access Gateway (TWAG) Open Service Set Identifier (SSID) portal sessions per Packet Data Network (PDN).
twagSamogSess [Twag Samog Sess] (tmnxMobPdnStatTwagSamogSess)	long	The value of tmnxMobPdnStatTwagSamogSess indicates the number of Trusted WLAN Access Gateway (TWAG) SAMOG sessions per Packet Data Network (PDN).
<p>PdnGwCardFlowAdditionalStats MIB entry name: tmnxMobPdnProcExtEntry Entry description: Each row entry represents additional columns for a Mobility Service Module (MSM) and contains statistics for call flow procedures on this card. Table description (for tmnxMobPdnProcExtTable): The tmnxMobPdnProcExtTable provides an extension of the tmnxMobPdnProcTable for each Mobility Service Module (MSM) configured in the mobility system group defined for a PDN Gateway (PGW). Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.BaseCard • equipment.ProcessorCard • lte.PDNGateway </p>		
attachPiggyFail [Attach Piggy Fail] (tmnxMobPdnProcAttachPiggyFail)	long	The value of tmnxMobPdnProcAttachPiggyFail indicates the number of attach procedure failures with piggybacking.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ehrpdLteHo [Ehrpd Lte Ho] (tmnxMobPdnProcEhrpdLteHo)	long	The value of tmnxMobPdnProcEhrpdLteHo indicates the number of evolved High Rate Packet Data (eHRPD) to Long Term Evolution (LTE) handovers served successfully by this card.
ehrpdLteHoFails [Ehrpd Lte Ho Fails] (tmnxMobPdnProcEhrpdLteHoFails)	long	The value of tmnxMobPdnProcEhrpdLteHoFails indicates the number of evolved High Rate Packet Data (eHRPD) to Long Term Evolution (LTE) handover failures served by this card.
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
epdgAttachFail [Epdg Attach Fail] (tmnxMobPdnEpdgAttachFail)	long	The value of tmnxMobPdnEpdgAttachFail indicates the number of failed Evolved Packet Data Gateway (ePDG) attaches.
epdgAttachSuccess [Epdg Attach Success] (tmnxMobPdnEpdgAttachSuccess)	long	The value of tmnxMobPdnEpdgAttachSuccess indicates the number of successful Evolved Packet Data Gateway (ePDG) attaches.
epdgDetachFail [Epdg Detach Fail] (tmnxMobPdnEpdgDetachFail)	long	The value of tmnxMobPdnEpdgDetachFail indicates the number of failed Evolved Packet Data Gateway (ePDG) detaches.
epdgDetachSuccess [Epdg Detach Success] (tmnxMobPdnEpdgDetachSuccess)	long	The value of tmnxMobPdnEpdgDetachSuccess indicates the number of successful Evolved Packet Data Gateway (ePDG) detaches.
epdgHssQosModify [Epdg Hss Qos Modify] (tmnxMobPdnEpdgHssQosModify)	long	The value of tmnxMobPdnEpdgHssQosModify indicates the number of Home Subscriber Server (HSS) initiated Quality of Service (QoS) modification procedures for Evolved Packet Data Gateway (ePDG).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epdgHssQosModifyFail [Epdg Hss Qos Modify Fail] (tmnxMobPdnEpdgHssQosModifyFail)	long	The value of tmnxMobPdnEpdgHssQosModifyFail indicates the number of Home Subscriber Server (HSS) initiated Quality of Service (QoS) modification procedures failure for Evolved Packet Data Gateway (ePDG).
epdgInitPdnSessDel [Epdg Init Pdn Sess Del] (tmnxMobPdnEpdgInitPdnSessDel)	long	The value of tmnxMobPdnEpdgInitPdnSessDel indicates the number of successful PDN session-deletion initiated by Evolved Packet Data Gateway (ePDG).
epdgInitPdnSessDelFail [Epdg Init Pdn Sess Del Fail] (tmnxMobPdnEpdgInitPdnSessDelFail)	long	The value of tmnxMobPdnEpdgInitPdnSessDelFail indicates the number of failed PDN session-deletion initiated by Evolved Packet Data Gateway (ePDG).
epdgNwDedBrActv [Epdg Nw Ded Br Actv] (tmnxMobPdnEpdgNwDedBrActv)	long	The value of tmnxMobPdnEpdgNwDedBrActv indicates the number of Evolved Packet Data Gateway (ePDG) network initiated dedicated bearer activation procedures.
epdgNwDedBrActvFail [Epdg Nw Ded Br Actv Fail] (tmnxMobPdnEpdgNwDedBrActvFail)	long	The value of tmnxMobPdnEpdgNwDedBrActvFail indicates the number of Evolved Packet Data Gateway (ePDG) network initiated dedicated bearer activation procedures failure.
epdgNwDedBrDeactv [Epdg Nw Ded Br Deactv] (tmnxMobPdnEpdgNwDedBrDeactv)	long	The value of tmnxMobPdnEpdgNwDedBrDeactv indicates the number of Evolved Packet Data Gateway (ePDG) network initiated dedicated bearer deactivation procedures.
epdgNwDedBrDeactvFail [Epdg Nw Ded Br Deactv Fail] (tmnxMobPdnEpdgNwDedBrDeactvFail)	long	The value of tmnxMobPdnEpdgNwDedBrDeactvFail indicates the number of Evolved Packet Data Gateway (ePDG) network initiated dedicated bearer activation procedures failure.
epdgPcrfQosModify [Epdg Pcrf Qos Modify] (tmnxMobPdnEpdgPcrfQosModify)	long	The value of tmnxMobPdnEpdgPcrfQosModify indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedures for Evolved Packet Data Gateway (ePDG).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epdgPcrfQosModifyFail [Epdg Pcrf Qos Modify Fail] (tmnxMobPdnEpdgPcrfQosModifyFail)	long	The value of tmnxMobPdnEpdgPcrfQosModifyFail indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedure failures for Evolved Packet Data Gateway (ePDG).
epdgReattachFail [Epdg Reattach Fail] (tmnxMobPdnEpdgReattachFail)	long	The value of tmnxMobPdnEpdgReattachFail indicates the number of failed Evolved Packet Data Gateway (ePDG) reattaches.
epdgReattachSucc [Epdg Reattach Succ] (tmnxMobPdnEpdgReattachSucc)	long	The value of tmnxMobPdnEpdgReattachSucc indicates the number of successful Evolved Packet Data Gateway (ePDG) reattaches.
epdgToLteHandOverFail [Epdg To Lte Hand Over Fail] (tmnxMobPdnEpdgToLteHandOverFail)	long	The value of tmnxMobPdnEpdgToLteHandOverSucc indicates the number of failed Evolved Packet Data Gateway (ePDG) network to Long Term Evolution (LTE) network hand over.
epdgToLteHandOverSucc [Epdg To Lte Hand Over Succ] (tmnxMobPdnEpdgToLteHandOverSucc)	long	The value of tmnxMobPdnEpdgToLteHandOverSucc indicates the number of successful Evolved Packet Data Gateway (ePDG) network to Long Term Evolution (LTE) network hand over.
gwType [Gw Type] (tmnxMobPdnGwType)	int	The value of tmnxMobGwType specifies the type of mobile gateway.
interIdleTau [Inter Idle Tau] (tmnxMobPdnProInterIdleTau)	long	The value of tmnxMobPdnProInterIdleTau indicates the number of incoming inter Serving Gateway (SGW) idle mode Tracking Area Updates (TAU) served successfully by this card.
interIdleTauFails [Inter Idle Tau Fails] (tmnxMobPdnProInterIdleTauFails)	long	The value of tmnxMobPdnProInterIdleTauFails indicates the number of incoming inter Serving Gateway (SGW) idle mode Tracking Area Update (TAU) failures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interMmeIdlTauFls [Inter Mme Idl Tau Fls] (tmnxMobPdnProclnterMmeIdlTauFls)	long	The value of tmnxMobPdnProclnterMmeIdlTauFls indicates the number of incoming intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) Idle mode Tracking Area Updates (TAU) served unsuccessfully by this card.
interMmeIdleTau [Inter Mme Idle Tau] (tmnxMobPdnProclnterMmeIdleTau)	long	The value of tmnxMobPdnProclnterMmeIdleTau indicates the number of incoming intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) Idle mode Tracking Area Updates (TAU) served successfully by this card.
interMmeRelocs [Inter Mme Relocs] (tmnxMobPdnProclnterMmeRelocs)	long	The value of tmnxMobPdnProclnterMmeRelocs indicates the number of incoming intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) detected by this card.
interMmeS1RITnFls [Inter Mme S1 RI Tn Fls] (tmnxMobPdnProclnterMmeS1RITnFls)	long	The value of tmnxMobPdnProclnterMmeS1RITnFls indicates the number of intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) S1-based relocation failures with indirect tunnels served by this card.
interMmeS1RITnSuc [Inter Mme S1 RI Tn Suc] (tmnxMobPdnProclnterMmeS1RITnSuc)	long	The value of tmnxMobPdnProclnterMmeS1RITnSuc indicates the number of intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) S1-based relocation with indirect tunnels served successfully by this card.
interMmeS1X2RIFls [Inter Mme S1 X2 RI Fls] (tmnxMobPdnProclnterMmeS1X2RIFls)	long	The value of tmnxMobPdnProclnterMmeS1X2RIFls indicates the number of intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) X2-based and S1-based relocation failures served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interMmeS1X2RISuc [Inter Mme S1 X2 RI Suc] (tmnxMobPdnProInterMmeS1X2RISuc)	long	The value of tmnxMobPdnProInterMmeS1X2RISuc indicates the number of intra Serving Gateway (SGW) inter Mobility Management Entity (MME) / S4-Serving GPRS Support Node (SGSN) X2-based and S1-based relocation served successfully by this card.
interSgwHoOut [Inter Sgw Ho Out] (tmnxMobPdnProInterSgwHoOut)	long	The value of tmnxMobPdnProInterSgwHoOut indicates the number of outgoing inter Serving Gateway (SGW) handovers served successfully by this card.
interX2Hndor [Inter X2 Hndor] (tmnxMobPdnProInterX2Hndor)	long	The value of tmnxMobPdnProInterX2Hndor indicates the number of incoming inter Serving Gateway (SGW) X2-based handovers served successfully by this card.
interX2HndorFails [Inter X2 Hndor Fails] (tmnxMobPdnProInterX2HndorFails)	long	The value of tmnxMobPdnProInterX2HndorFails indicates the number of incoming inter Serving Gateway (SGW) X2-based handover failures.
intraIdleModeTau [Intra Idle Mode Tau] (tmnxMobPdnProIntraIdleModeTau)	long	The value of tmnxMobPdnProIntraIdleModeTau indicates the number of intra Serving Gateway (SGW) idle mode Tracking Area Updates (TAU) served successfully by this card.
intraIdleTauFails [Intra Idle Tau Fails] (tmnxMobPdnProIntraIdleTauFails)	long	The value of tmnxMobPdnProIntraIdleTauFails indicates the number of intra Serving Gateway (SGW) idle mode Tracking Area Updates (TAU) failures served by this card.
intraS1IndTnlFail [Intra S1 Ind Tnl Fail] (tmnxMobPdnProIntraS1IndTnlFail)	long	The value of tmnxMobPdnProIntraS1IndTnlFail indicates the number of incoming intra Serving Gateway (SGW) S1-based handover failures with indirect tunnels served by this card.
intraSgwHndvr [Intra Sgw Hndvr] (tmnxMobPdnProIntraSgwHndvr)	long	The value of tmnxMobPdnProIntraSgwHndvr indicates the number of incoming intra Serving Gateway (SGW) X2-based and S1-based handovers with and without indirect tunnels served successfully by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intraSgwHndvrFail [Intra Sgw Hndvr Fail] (tmnxMobPdnProclntraSgwHndvrFail)	long	The value of tmnxMobPdnProclntraSgwHndvrFail indicates the number of incoming intra Serving Gateway (SGW) X2-based and S1-based handover failures with and without indirect tunnels served by this card.
intraSgwS1IndTnl [Intra Sgw S1 Ind Tnl] (tmnxMobPdnProclntraSgwS1IndTnl)	long	The value of tmnxMobPdnProclntraSgwS1IndTnl indicates the number of incoming intra Serving Gateway (SGW) S1-based handovers with indirect tunnels served successfully by this card.
lteToEpdgHandOverFail [Lte To Epdg Hand Over Fail] (tmnxMobPdnLteToEpdgHandOverFail)	long	The value of tmnxMobPdnLteToEpdgHandOverSucc indicates the number of failed Long Term Evolution (LTE) network to Evolved Packet Data Gateway (ePDG) network hand over.
lteToEpdgHandOverSucc [Lte To Epdg Hand Over Succ] (tmnxMobPdnLteToEpdgHandOverSucc)	long	The value of tmnxMobPdnLteToEpdgHandOverSucc indicates the number of successful Long Term Evolution (LTE) network to Evolved Packet Data Gateway (ePDG) network hand over.
numDelBearerByErrInd [Num Del Bearer By Err Ind] (tmnxMobPdnDelBearerByErrInd)	long	The value of tmnxMobPdnDelBearerByErrInd indicates the number of bearers that were deleted due to error indication (Ded Bearer deactivations).
numDelSessionByErrInd [Num Del Session By Err Ind] (tmnxMobPdnDelSessionByErrInd)	long	The value of tmnxMobPdnDelSessionByErrInd indicates the number of sessions that were deleted due to error indication (PDN session deactivations).
numEpdgMoblkeFailure [Num Epdg Mob Ike Failure] (tmnxMobPdnEpdgMoblkeFailure)	long	The value of tmnxMobPdnEpdgMoblkeFailure indicates the number of failed Evolved Packet Data Gateway (ePDG) IKEv2 Mobility and Multihoming protocol (MOBIKE) procedures.
numEpdgMoblkeSuccess [Num Epdg Mob Ike Success] (tmnxMobPdnEpdgMoblkeSuccess)	long	The value of tmnxMobPdnEpdgMoblkeSuccess indicates the number of successful Evolved Packet Data Gateway (ePDG) IKEv2 Mobility and Multihoming protocol (MOBIKE) procedures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numOpenSsidCoaAccessConn [Num Open Ssid Coa Access Conn] (tmnxMobPdnOpenSsidCoaAccessConn)	long	The value of tmnxMobPdnOpenSsidCoaAccessConn indicates the number of Change of Authorization (CoA) access connect on TWAG Open SSID.
numOpenSsidCoaAccessDisc [Num Open Ssid Coa Access Disc] (tmnxMobPdnOpenSsidCoaAccessDisc)	long	The value of tmnxMobPdnOpenSsidCoaAccessDisc indicates the number of Change of Authorization (CoA) access disconnect on TWAG Open SSID.
numOpenSsidDhcpHldTimeOut [Num Open Ssid Dhcp Hld Time Out] (tmnxMobPdnOpenSsidDhcpHldTimeOut)	long	The value of tmnxMobPdnOpenSsidDhcpHldTimeOut indicates the number of DHCP hold time time out on TWAG Open SSID.
numOpenSsidDhcpLeaseExp [Num Open Ssid Dhcp Lease Exp] (tmnxMobPdnOpenSsidDhcpLeaseExp)	long	The value of tmnxMobPdnOpenSsidDhcpLeaseExp indicates the number of Dynamic Host Configuration Protocol (DHCP) lease time expirations on TWAG Open SSID.
numOpenSsidDhcpReattach [Num Open Ssid Dhcp Reattach] (tmnxMobPdnOpenSsidDhcpReattach)	long	The value of tmnxMobPdnOpenSsidDhcpReattach indicates the number of successful DHCP reattaches on TWAG Open SSID.
numOpenSsidDhcpRelease [Num Open Ssid Dhcp Release] (tmnxMobPdnOpenSsidDhcpRelease)	long	The value of tmnxMobPdnOpenSsidDhcpRelease indicates the number of DHCP releases on TWAG Open SSID.
numOpenSsidDoraAttach [Num Open Ssid Dora Attach] (tmnxMobPdnOpenSsidDoraAttach)	long	The value of tmnxMobPdnOpenSsidDoraAttach indicates the number of successful DORA attaches on Trusted WLAN Access Gateway (TWAG) Open Service Set Identity (SSID).
numOpenSsidDoraAttachFail [Num Open Ssid Dora Attach Fail] (tmnxMobPdnOpenSsidDoraAttachFail)	long	The value of tmnxMobPdnOpenSsidDoraAttachFail indicates the number of failed DORA attaches on TWAG Open SSID.
numOpenSsidIntApHoDataTrg [Num Open Ssid Int Ap Ho Data Trg] (tmnxMobPdnOpenSsidIntApHoDataTrg)	long	The value of tmnxMobPdnOpenSsidIntApHoDataTrg indicates the number of Inter Access Points (AP) handover data trigger on TWAG Open SSID.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numOpenSsidIntApHoDhcp [Num Open Ssid Int Ap Ho Dhcp] (tmnxMobPdnOpenSsidIntApHoDhcp)	long	The value of tmnxMobPdnOpenSsidIntApHoDhcp indicates the number of Inter Access Points (AP) handover DHCP on TWAG Open SSID.
numOpenSsidNwInitDetach [Num Open Ssid Nw Init Detach] (tmnxMobPdnOpenSsidNwInitDetach)	long	The value of tmnxMobPdnOpenSsidNwInitDetach indicates the number of successful network initiated detaches on TWAG Open SSID.
numOpenSsidRcAttach [Num Open Ssid Rc Attach] (tmnxMobPdnOpenSsidRcAttach)	long	The value of tmnxMobPdnOpenSsidRcAttach indicates the number of successful Rapid Commit attaches on TWAG Open SSID.
numOpenSsidRcAttachFail [Num Open Ssid Rc Attach Fail] (tmnxMobPdnOpenSsidRcAttachFail)	long	The value of tmnxMobPdnOpenSsidRcAttachFail indicates the number of failed Rapid Commit attaches on TWAG Open SSID.
numS2bNwDedBrActv [Num S2 b Nw Ded Br Actv] (tmnxMobPdnS2bNwDedBrActv)	long	The value of tmnxMobPdnS2bNwDedBrActv indicates the number S2b network initiated dedicated bearer activation procedures.
numS2bNwDedBrActvFail [Num S2 b Nw Ded Br Actv Fail] (tmnxMobPdnS2bNwDedBrActvFail)	long	The value of tmnxMobPdnS2bNwDedBrActvFail indicates the number of S2b network initiated dedicated bearer activation procedures failure.
numS2bNwDedBrDeactv [Num S2 b Nw Ded Br Deactv] (tmnxMobPdnS2bNwDedBrDeactv)	long	The value of tmnxMobPdnS2bNwDedBrDeactv indicates the number of S2b network initiated dedicated bearer deactivation procedures.
numS2bNwDedBrDeactvFail [Num S2 b Nw Ded Br Deactv Fail] (tmnxMobPdnS2bNwDedBrDeactvFail)	long	The value of tmnxMobPdnS2bNwDedBrDeactvFail indicates the number of S2b network initiated dedicated bearer activation procedures failure.
numS2bPcrfQosModify [Num S2 b Pcrf Qos Modify] (tmnxMobPdnS2bPcrfQosModify)	long	The value of tmnxMobPdnS2bPcrfQosModify indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedures for S2b reference point.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numS2bPcrfQosModifyFail [Num S2 b Pcrf Qos Modify Fail] (tmnxMobPdnS2bPcrfQosModifyFail)	long	The value of tmnxMobPdnS2bPcrfQosModifyFail indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedure failures for S2b reference point.
numS2bQosModify [Num S2 b Qos Modify] (tmnxMobPdnS2bQosModify)	long	The value of tmnxMobPdnS2bQosModify indicates the number of Quality of Service (QoS) modification procedures for S2b reference point.
numS2bQosModifyFail [Num S2 b Qos Modify Fail] (tmnxMobPdnS2bQosModifyFail)	long	The value of tmnxMobPdnS2bQosModifyFail indicates the number of Quality of Service (QoS) modification procedures failure for S2b reference point.
numS2bSessDeactIdleTimeOut [Num S2 b Sess Deact Idle Time Out] (tmnxMobPdnS2bSessDeactDueToIt)	long	The value of tmnxMobPdnS2bSessDeactDueToIt indicates the number of S2b sessions deactivated due to the idle timeout.
numS2bSessDeactSessTimeOut [Num S2 b Sess Deact Sess Time Out] (tmnxMobPdnS2bSessDeactDueToSt)	long	The value of tmnxMobPdnS2bSessDeactDueToSt indicates the number of S2b sessions deactivated due to the session time-out.
numUeIdleByErrInd [Num Ue Idle By Err Ind] (tmnxMobPdnUeIdleByErrInd)	long	The value of tmnxMobPdnUeIdleByErrInd indicates the number of User Equipments (UE) that went to idle due to error indication (S1 release procedure).
nwBrModify [Nw Br Modify] (tmnxMobPdnProcNwBrModify)	long	The value of tmnxMobPdnProcNwBrModify indicates the number of network initiated bearer modification procedures served by this card.
nwBrModifyFail [Nw Br Modify Fail] (tmnxMobPdnProcNwBrModifyFail)	long	The value of tmnxMobPdnProcNwBrModifyFail indicates the number of network initiated bearer modification procedure failures in this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nwPdnSesDeActFail [Nw Pdn Ses De Act Fail] (tmnxMobPdnProcNwPdnSesDeActFail)	long	The value of tmnxMobPdnProcNwPdnSesDeActFail indicates the number of network initiated Packet Data Network (PDN) session de-activation procedure failures served by this card.
nwPdnSessDeActiv [Nw Pdn Sess De Activ] (tmnxMobPdnProcNwPdnSessDeActiv)	long	The value of tmnxMobPdnProcNwPdnSessDeActiv indicates the number of network initiated Packet Data Network (PDN) session de-activation procedures served by this card.
pagingAttempts [Paging Attempts] (tmnxMobPdnProcPagingAttempts)	long	The value of tmnxMobPdnProcPagingAttempts indicates the number of paging attempts served by this card.
pagingFails [Paging Fails] (tmnxMobPdnProcPagingFails)	long	The value of tmnxMobPdnProcPagingFails indicates the number of paging failures served by this card.
pagingTimeoutExp [Paging Timeout Exp] (tmnxMobPdnProcPagingTimeoutExp)	long	The value of tmnxMobPdnProcPagingTimeoutExp indicates the number of paging timeout expiration.
s1Release [S1 Release] (tmnxMobPdnProcS1Release)	long	The value of tmnxMobPdnProcS1Release indicates the number of successful Evolved NodeB (eNodeB) and Mobility Management Entity (MME) initiated S1 release procedures served by this card.
s1ReleaseFailures [S1 Release Failures] (tmnxMobPdnProcS1ReleaseFailures)	long	The value of tmnxMobPdnProcS1ReleaseFailures indicates the number of Evolved NodeB (eNodeB) and Mobility Management Entity (MME) initiated S1 release procedure failures.
s1WithIndTnl [S1 With Ind Tnl] (tmnxMobPdnProcS1WithIndTnl)	long	The value of tmnxMobPdnProcS1WithIndTnl indicates the number of incoming inter Serving Gateway (SGW) handovers with indirect tunnels served successfully by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s1WithIndTnlFails [S1 With Ind Tnl Fails] (tmnxMobPdnProcS1WithIndTnlFails)	long	The value of tmnxMobPdnProcS1WithIndTnlFails indicates the number of incoming inter Serving Gateway (SGW) handover failures with indirect tunnels.
s1WoIndTnl [S1 Wo Ind Tnl] (tmnxMobPdnProcS1WoIndTnl)	long	The value of tmnxMobPdnProcS1WoIndTnl indicates the number of incoming inter Serving Gateway (SGW) handovers without indirect tunnels served successfully by this card.
s1WoIndTnlFails [S1 Wo Ind Tnl Fails] (tmnxMobPdnProcS1WoIndTnlFails)	long	The value of tmnxMobPdnProcS1WoIndTnlFails indicates the number of incoming inter Serving Gateway (SGW) handover failures without indirect tunnels.
s2bPgwPdnSessDel [S2 b Pgw Pdn Sess Del] (tmnxMobPdnProcS2bPgwPdnSessDel)	long	The value of tmnxMobPdnProcS2bPgwPdnSessDel indicates the number of successful PDN session-deletion initiated by PDN Gateway (PGW) on S2b interface.
s2bPgwPdnSessDelFI [S2 b Pgw Pdn Sess Del FI] (tmnxMobPdnProcS2bPgwPdnSessDelFI)	long	The value of tmnxMobPdnProcS2bPgwPdnSessDelFI indicates the number of failed PDN session-deletion initiated by PDN Gateway (PGW) on S2b interface.
slotId [Slot Id] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
ueServiceReq [Ue Service Req] (tmnxMobPdnProcUeServiceReq)	long	The value of tmnxMobPdnProcUeServiceReq indicates the number of successful User Equipment (UE) initiated service request procedures served by this card.
ueServiceReqFails [Ue Service Req Fails] (tmnxMobPdnProcUeServiceReqFails)	long	The value of tmnxMobPdnProcUeServiceReqFails indicates the number of User Equipment (UE) initiated service request procedure failures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnGwCardFlowExtAdditionalStats</p> <p>MIB entry name: tmnxMobPdnProcExt1Entry</p> <p>Entry description: Each row entry represents additional columns for a Mobility Service Module (MSM) and contains statistics for call flow procedures on this card.</p> <p>Table description (for tmnxMobPdnProcExt1Table): The tmnxMobPdnProcExt1Table provides an extension of the tmnxMobPdnProcTable for each Mobility Service Module (MSM) configured in the mobility system group defined for a PDN Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.ProcessorCard • lte.PDNGateway 		
delSessBySetupGuardTmr [Del Sess By Setup Guard Tmr] (tmnxMobPdnDelSessBySetupGuardTmr)	long	The value of tmnxMobPdnDelSessBySetupGuardTmr indicates the number of sessions that were cleaned due to expiration of session setup guard-timer.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
numClsdSsidAccessAttach [Num Clsd Ssid Access Attach] (tmnxMobPdnClsdSsidAccessAttach)	long	The value of tmnxMobPdnClsdSsidAccessAttach indicates the number of the successful access attaches on TWAG Closed SSID.
numClsdSsidAccessAtthFail [Num Clsd Ssid Access Atth Fail] (tmnxMobPdnClsdSsidAccessAtthFail)	long	The value of tmnxMobPdnClsdSsidAccessAtthFail indicates the number of the failed access attaches on TWAG Closed SSID.
numClsdSsidDhcpHldTimeOut [Num Clsd Ssid Dhcp Hld Time Out] (tmnxMobPdnClsdSsidDhcpHldTimeOut)	long	The value of tmnxMobPdnClsdSsidDhcpHldTimeOut indicates the number of DHCP hold time time out on TWAG Closed SSID.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numClsdSsidDhcpLeaseExp [Num Clsd Ssid Dhcp Lease Exp] (tmnxMobPdnClsdSsidDhcpLeaseExp)	long	The value of tmnxMobPdnClsdSsidDhcpLeaseExp indicates the number of Dynamic Host Configuration Protocol (DHCP) lease time expirations on TWAG Closed SSID.
numClsdSsidDhcpReattach [Num Clsd Ssid Dhcp Reattach] (tmnxMobPdnClsdSsidDhcpReattach)	long	The value of tmnxMobPdnClsdSsidDhcpReattach indicates the number of successful DHCP reattaches on TWAG Closed SSID.
numClsdSsidDhcpRelease [Num Clsd Ssid Dhcp Release] (tmnxMobPdnClsdSsidDhcpRelease)	long	The value of tmnxMobPdnClsdSsidDhcpRelease indicates the number of DHCP releases on TWAG Closed SSID.
numClsdSsidDoraAttach [Num Clsd Ssid Dora Attach] (tmnxMobPdnClsdSsidDoraAttach)	long	The value of tmnxMobPdnClsdSsidDoraAttach indicates the number of successful DORA attaches on Trusted WLAN Access Gateway (TWAG) Closed Service Set Identity (SSID).
numClsdSsidDoraAttachFail [Num Clsd Ssid Dora Attach Fail] (tmnxMobPdnClsdSsidDoraAttachFail)	long	The value of tmnxMobPdnClsdSsidDoraAttachFail indicates the number of failed DORA attaches on TWAG Closed SSID.
numClsdSsidIntApHoDataTrg [Num Clsd Ssid Int Ap Ho Data Trg] (tmnxMobPdnClsdSsidIntApHoDataTrg)	long	The value of tmnxMobPdnClsdSsidIntApHoDataTrg indicates the number of Inter Access Points (AP) handover data trigger on TWAG Closed SSID.
numClsdSsidIntApHoDhcp [Num Clsd Ssid Int Ap Ho Dhcp] (tmnxMobPdnClsdSsidIntApHoDhcp)	long	The value of tmnxMobPdnClsdSsidIntApHoDhcp indicates the number of Inter Access Points (AP) handover DHCP on TWAG Closed SSID.
numClsdSsidIntApHoReauth [Num Clsd Ssid Int Ap Ho Reauth] (tmnxMobPdnClsdSsidIntApHoReauth)	long	The value of tmnxMobPdnClsdSsidIntApHoReauth indicates the number of Inter Access Points (AP) handover reauthorization on TWAG Closed SSID.
numClsdSsidNwInitDetach [Num Clsd Ssid Nw Init Detach] (tmnxMobPdnClsdSsidNwInitDetach)	long	The value of tmnxMobPdnClsdSsidNwInitDetach indicates the number of successful network initiated detaches on TWAG Closed SSID.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numClsdSsidRcAttach [Num Clsd Ssid Rc Attach] (tmnxMobPdnClsdSsidRcAttach)	long	The value of tmnxMobPdnClsdSsidRcAttach indicates the number of successful Rapid Commit attaches on TWAG Closed SSID.
numClsdSsidRcAttachFail [Num Clsd Ssid Rc Attach Fail] (tmnxMobPdnClsdSsidRcAttachFail)	long	The value of tmnxMobPdnClsdSsidRcAttachFail indicates the number of failed Rapid Commit attaches on TWAG Closed SSID.
numClsdSsidSlaacAttach [Num Clsd Ssid Slaac Attach] (tmnxMobPdnClsdSsidSlaacAttach)	long	The value of tmnxMobPdnClsdSsidSlaacAttach indicates the number of successful SLAAC attaches on Trusted WLAN Access Gateway (TWAG) Closed Service Set Identity (SSID).
numClsdSsidSlaacAttchFail [Num Clsd Ssid Slaac Attch Fail] (tmnxMobPdnClsdSsidSlaacAttchFail)	long	The value of tmnxMobPdnClsdSsidSlaacAttchFail indicates the number of failed SLAAC attaches on TWAG Closed SSID.
numEHRPDToS2bHandOverFail [Num EHRPDToS2 b Hand Over Fail] (tmnxMobPdneHRPDToS2bHandOverFail)	long	The value of tmnxMobPdneHRPDToS2bHandOverFail indicates the number of failed enhanced High Rate Packet Data (eHRPD) network to wifi network hand over.
numEHRPDToS2bHandOverSuccess [Num EHRPDToS2 b Hand Over Success] (tmnxMobPdneHRPDToS2bHandOverSucc)	long	The value of tmnxMobPdneHRPDToS2bHandOverSucc indicates the number of successful enhanced High Rate Packet Data (eHRPD) network to wifi network hand over.
numEmpslmsSessionAct [Num Emps lms Session Act] (tmnxMobPdnEmpslmsSessionAct)	long	The value of tmnxMobPdnEmpslmsSessionAct indicates the number of UE initiated Enhanced Multimedia Priority Service (eMPS) IMS session activations.
numEmpslmsSessionDeact [Num Emps lms Session Deact] (tmnxMobPdnEmpslmsSessionDeact)	long	The value of tmnxMobPdnEmpslmsSessionDeact indicates the number of UE initiated Enhanced Multimedia Priority Service (eMPS) IMS session deactivations.
numLTEToS2aHandOverFail [Num LTEToS2 a Hand Over Fail] (tmnxMobPdnLTEToS2aHandOverFail)	long	The value of tmnxMobPdnLTEToS2aHandOverFail indicates the number of failed Long Term Evolution (LTE) network to S2a network hand over.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numLTEToS2aHandOverSucc [Num LTE To S2 a Hand Over Succ] (tmnxMobPdnLTEToS2aHandOverSucc)	long	The value of tmnxMobPdnLTEToS2aHandOverSucc indicates the number of successful Long Term Evolution (LTE) network to S2a network hand over.
numOpenSsidSlaacAttach [Num Open Ssid Slaac Attach] (tmnxMobPdnOpenSsidSlaacAttach)	long	The value of tmnxMobPdnOpenSsidSlaacAttach indicates the number of successful SLAAC attaches on Trusted WLAN Access Gateway (TWAG) Open Service Set Identity (SSID).
numOpenSsidSlaacAttchFail [Num Open Ssid Slaac Attch Fail] (tmnxMobPdnOpenSsidSlaacAttchFail)	long	The value of tmnxMobPdnOpenSsidSlaacAttchFail indicates the number of failed SLAAC attaches on TWAG Open SSID.
numPdnConnDeleted [Num Pdn Conn Deleted] (tmnxMobPdnConnDeletedSgwRest)	long	The value of tmnxMobPdnConnDeletedSgwRest indicates the number of Packet Data Network (PDN) connections deleted because no Serving Gateway (SGW) restored it.
numPdnConnRestored [Num Pdn Conn Restored] (tmnxMobPdnConnRestoredSgwRestMme)	long	The value of tmnxMobPdnConnRestoredSgwRestMme indicates the number of Packet Data Network (PDN) connections restored because of MME Initiated Serving Gateway (SGW) Restoration.
numS11uErrDefBrDeact [Num S11 u Err Def Br Deact] (tmnxMobPdnS11uErrDefBrDeact)	long	The value of tmnxMobPdnS11uErrDefBrDeact indicates the number of default bearer deactivations due to Error Indication received on S11-U.
numS11uToS1uTransition [Num S11 u To S1 u Transition] (tmnxMobPdnS11uToS1uTransition)	long	The value of tmnxMobPdnS11uToS1uTransition indicates the number of S11-U to S1-U transitions done directly with Modify Bearer Request.
numS11uTunnelAct [Num S11 u Tunnel Act] (tmnxMobPdnS11uTunnelAct)	long	The value of tmnxMobPdnS11uTunnelAct indicates the number of S11-U tunnel activations.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numS11uTunnelDeact [Num S11 u Tunnel Deact] (tmnxMobPdnS11uTunnelDeact)	long	The value of tmnxMobPdnS11uTunnelDeact indicates the number of S11-U tunnel deactivations.
numS2aAttachFailure [Num S2 a Attach Failure] (tmnxMobPdnS2aAttachFailure)	long	The value of tmnxMobPdnS2aAttachFailure indicates the number of failed S2a attaches.
numS2aAttachSuccess [Num S2 a Attach Success] (tmnxMobPdnS2aAttachSuccess)	long	The value of tmnxMobPdnS2aAttachSuccess indicates the number of successful S2a attaches.
numS2aDetachFailure [Num S2 a Detach Failure] (tmnxMobPdnS2aDetachFailure)	long	The value of tmnxMobPdnS2aDetachFailure indicates the number of failed S2a detaches.
numS2aDetachSuccess [Num S2 a Detach Success] (tmnxMobPdnS2aDetachSuccess)	long	The value of tmnxMobPdnS2aDetachSuccess indicates the number of successful S2a detaches.
numS2aNwDedBrActv [Num S2 a Nw Ded Br Actv] (tmnxMobPdnS2aNwDedBrActv)	long	The value of tmnxMobPdnS2aNwDedBrActv indicates the number S2a network initiated dedicated bearer activation procedures.
numS2aNwDedBrActvFail [Num S2 a Nw Ded Br Actv Fail] (tmnxMobPdnS2aNwDedBrActvFail)	long	The value of tmnxMobPdnS2aNwDedBrActvFail indicates the number of S2a network initiated dedicated bearer activation procedures failure.
numS2aNwDedBrDeactv [Num S2 a Nw Ded Br Deactv] (tmnxMobPdnS2aNwDedBrDeactv)	long	The value of tmnxMobPdnS2aNwDedBrDeactv indicates the number of S2a network initiated dedicated bearer deactivation procedures.
numS2aNwDedBrDeactvFail [Num S2 a Nw Ded Br Deactv Fail] (tmnxMobPdnS2aNwDedBrDeactvFail)	long	The value of tmnxMobPdnS2aNwDedBrDeactvFail indicates the number of S2a network initiated dedicated bearer activation procedures failure.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numS2aPcrfQosModify [Num S2 a Pcrf Qos Modify] (tmnxMobPdnS2aPcrfQosModify)	long	The value of tmnxMobPdnS2aPcrfQosModify indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedures for S2a reference point.
numS2aPcrfQosModifyFail [Num S2 a Pcrf Qos Modify Fail] (tmnxMobPdnS2aPcrfQosModifyFail)	long	The value of tmnxMobPdnS2aPcrfQosModifyFail indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedure failures for S2a reference point.
numS2aPgwPdnSessDel [Num S2 a Pgw Pdn Sess Del] (tmnxMobPdnS2aPgwPdnSessDel)	long	The value of tmnxMobPdnS2aPgwPdnSessDel indicates the number of successful PDN session-deletion initiated by PDN Gateway (PGW) on S2a interface.
numS2aPgwPdnSessDelFail [Num S2 a Pgw Pdn Sess Del Fail] (tmnxMobPdnS2aPgwPdnSessDelFail)	long	The value of tmnxMobPdnS2aPgwPdnSessDelFail indicates the number of failed PDN session-deletion initiated by PDN Gateway (PGW) on S2a interface.
numS2aQosModify [Num S2 a Qos Modify] (tmnxMobPdnS2aQosModify)	long	The value of tmnxMobPdnS2aQosModify indicates the number of Quality of Service (QoS) modification procedures for S2a reference point.
numS2aQosModifyFail [Num S2 a Qos Modify Fail] (tmnxMobPdnS2aQosModifyFail)	long	The value of tmnxMobPdnS2aQosModifyFail indicates the number of Quality of Service (QoS) modification procedures failure for S2a reference point.
numS2aToLTEHandOverFail [Num S2 a To LTEHand Over Fail] (tmnxMobPdnS2aToLTEHandOverFail)	long	The value of tmnxMobPdnS2aToLTEHandOverFail indicates the number of failed S2a network to Long Term Evolution (LTE) network hand over.
numS2aToLTEHandOverSucc [Num S2 a To LTEHand Over Succ] (tmnxMobPdnS2aToLTEHandOverSucc)	long	The value of tmnxMobPdnS2aToLTEHandOverSucc indicates the number of successful S2a network to Long Term Evolution (LTE) network hand over.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numS2aToS2aHandOverFail [Num S2 a To S2 a Hand Over Fail] (tmnxMobPdnS2aToS2aHandOverFail)	long	The value of tmnxMobPdnS2aToS2aHandOverFail indicates the number of failed handovers from S2a to S2a for the PGW.
numS2aToS2aHandOverSucc [Num S2 a To S2 a Hand Over Succ] (tmnxMobPdnS2aToS2aHandOverSucc)	long	The value of tmnxMobPdnS2aToS2aHandOverSucc indicates the number of successful handovers from S2a to S2a for the PGW.
numS2aToUmtsHandOverFail [Num S2 a To Umts Hand Over Fail] (tmnxMobPdnS2aToUmtsHandOverFail)	long	The value of tmnxMobPdnS2aToUmtsHandOverFail indicates the number of failed S2a network to Universal Mobile Telecommunications System (UMTS) network hand over.
numS2aToUmtsHandOverSucc [Num S2 a To Umts Hand Over Succ] (tmnxMobPdnS2aToUmtsHandOverSucc)	long	The value of tmnxMobPdnS2aToUmtsHandOverSucc indicates the number of successful S2a network to Universal Mobile Telecommunications System (UMTS) network hand over.
numS2bToEHRPDHandOverFail [Num S2 b To EHRPDHand Over Fail] (tmnxMobPdnS2bToeHRPDHandOverFail)	long	The value of tmnxMobPdnS2bToeHRPDHandOverFail indicates the number of failed wifi network to enhanced High Rate Packet Data (eHRPD) network hand over.
numS2bToEHRPDHandOverSuccess [Num S2 b To EHRPDHand Over Success] (tmnxMobPdnS2bToeHRPDHandOverSucc)	long	The value of tmnxMobPdnS2bToeHRPDHandOverSucc indicates the number of successful wifi network to enhanced High Rate Packet Data (eHRPD) network hand over.
numTdfAttachFail [Num Tdf Attach Fail] (tmnxMobPdnTdfAttachFail)	long	The value of tmnxMobPdnTdfAttachFail indicates the number of failed Traffic Detection Function (TDF) attaches.
numTdfAttachSuccess [Num Tdf Attach Success] (tmnxMobPdnTdfAttachSuccess)	long	The value of tmnxMobPdnTdfAttachSuccess indicates the number of successful Traffic Detection Function (TDF) attaches.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numTdfDetachFail [Num Tdf Detach Fail] (tmnxMobPdnTdfDetachFail)	long	The value of tmnxMobPdnTdfDetachFail indicates the number of failed Traffic Detection Function (TDF) detaches.
numTdfDetachSuccess [Num Tdf Detach Success] (tmnxMobPdnTdfDetachSuccess)	long	The value of tmnxMobPdnTdfDetachSuccess indicates the number of successful Traffic Detection Function (TDF) detaches.
numTdfReattachFail [Num Tdf Reattach Fail] (tmnxMobPdnTdfReattachFail)	long	The value of tmnxMobPdnTdfReattachFail indicates the number of failed Traffic Detection Function (TDF) reattaches.
numTdfReattachSucc [Num Tdf Reattach Succ] (tmnxMobPdnTdfReattachSucc)	long	The value of tmnxMobPdnTdfReattachSucc indicates the number of successful Traffic Detection Function (TDF) reattaches.
numTdfSessDeactIdleTimeOut [Num Tdf Sess Deact Idle Time Out] (tmnxMobPdnTdfSessDeactDueToIt)	long	The value of tmnxMobPdnTdfSessDeactDueToIt indicates the number of TDF sessions deactivated due to the idle timeout.
numTdfSessDeactSessTimeOut [Num Tdf Sess Deact Sess Time Out] (tmnxMobPdnTdfSessDeactDueToSt)	long	The value of tmnxMobPdnTdfSessDeactDueToSt indicates the number of TDF sessions deactivated due to the session time-out.
numUmtsToS2aHandOverFail [Num Umts To S2 a Hand Over Fail] (tmnxMobPdnUmtsToS2aHandOverFail)	long	The value of tmnxMobPdnUmtsToS2aHandOverSucc indicates the number of failed Universal Mobile Telecommunications System (UMTS) network to S2a network hand over.
numUmtsToS2aHandOverSucc [Num Umts To S2 a Hand Over Succ] (tmnxMobPdnUmtsToS2aHandOverSucc)	long	The value of tmnxMobPdnUmtsToS2aHandOverSucc indicates the number of successful Universal Mobile Telecommunications System (UMTS) network to S2a network hand over.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s1uToS11uTransition [S1 u To S11 u Transition] (tmnxMobPdnS1uToS11uTransition)	long	The value of tmnxMobPdnS1uToS11uTransition indicates the number of S1-U to S11-U transitions done directly with Modify Bearer Request.
slotId [Slot Id] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
successEmergCalls [Success Emerg Calls] (tmnxMobPdnSuccessEmergCalls)	long	The value of tmnxMobPdnSuccessEmergCalls indicates the total number of successful emergency calls established.
unsuccEmerCallAuthRej [Unsucc Emer Call Auth Rej] (tmnxMobPdnUnsuccEmerCallAuthRej)	long	The value of tmnxMobPdnUnsuccEmerCallAuthRej indicates the number of unsuccessful emergency calls due to user authentication and authorization rejection.
unsuccEmerCallDnsRej [Unsucc Emer Call Dns Rej] (tmnxMobPdnUnsuccEmerCallDnsRej)	long	The value of tmnxMobPdnUnsuccEmerCallAuthRej indicates the number of unsuccessful emergency calls due to issues on DNS resolution of emergency APN data.
unsuccEmerCallMissCfg [Unsucc Emer Call Miss Cfg] (tmnxMobPdnUnsuccEmerCallMissCfg)	long	The value of tmnxMobPdnUnsuccEmerCallMissCfg indicates the number of unsuccessful emergency calls due to missing configuration of emergency call data.
unsuccEmerCalls2bInt [Unsucc Emer Call S2 b Int] (tmnxMobPdnUnsuccEmerCalls2bInt)	long	The value of tmnxMobPdnUnsuccEmerCalls2bInt indicates the number of unsuccessful emergency calls due to issues on S2b (GTPv2) interface.
unsuccessEmergCalls [Unsuccess Emerg Calls] (tmnxMobPdnUnsuccessEmergCalls)	long	The value of tmnxMobPdnUnsuccessEmergCalls indicates the total number of unsuccessful emergency calls established.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnGwCardFlowStats</p> <p>MIB entry name: tmnxMobPdnProcEntry</p> <p>Entry description: Each row entry represents a Mobility Service Module (MSM) and contains statistics for call flow procedures on this card.</p> <p>Table description (for tmnxMobPdnProcTable): The tmnxMobPdnProcTable has an entry for each each Mobility Service Module (MSM) configured in the mobility system group defined for a PDN Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.ProcessorCard • lte.PDNGateway 		
attach [Attach] (tmnxMobPdnProcAttach)	long	The value of tmnxMobPdnProcAttach indicates the number of successful default attach-procedures executed on this card.
attachFail [Attach Fail] (tmnxMobPdnProcAttachFail)	long	The value of tmnxMobPdnProcAttachFail indicates the number of failed default attach-procedures executed on this card.
attachPiggyBack [Attach Piggy Back] (tmnxMobPdnProcAttachPiggyBack)	long	The value of tmnxMobPdnProcAttachPiggyBack indicates the number of successful default attach-procedures executed on this card with piggybacking.
detach [Detach] (tmnxMobPdnProcDetach)	long	The value of tmnxMobPdnProcDetach indicates the number of detach-procedures executed successfully on this card.
detachFail [Detach Fail] (tmnxMobPdnProcDetachFail)	long	The value of tmnxMobPdnProcDetachFail indicates the number of detach-procedure failures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eHRPDAttachFailure [EHRPDAttach Failure] (tmnxMobPdneHRPDAttachFailure)	long	The value of tmnxMobPdneHRPDAttachFailure indicates the number of failed enhanced High Rate Packet Data (eHRPD) attaches.
eHRPDAttachSuccess [EHRPDAttach Success] (tmnxMobPdneHRPDAttachSuccess)	long	The value of tmnxMobPdneHRPDAttachSuccess indicates the number of successful enhanced High Rate Packet Data (eHRPD) attaches.
eHRPDDetachFailure [EHRPDDetach Failure] (tmnxMobPdneHRPDDetachFailure)	long	The value of tmnxMobPdneHRPDDetachFailure indicates the number of failed enhanced High Rate Packet Data (eHRPD) detaches.
eHRPDDetachSuccess [EHRPDDetach Success] (tmnxMobPdneHRPDDetachSuccess)	long	The value of tmnxMobPdneHRPDDetachSuccess indicates the number of successful enhanced High Rate Packet Data (eHRPD) detaches.
eHRPDSessDeactIdleTO [EHRPDSess Deact Idle TO] (tmnxMobPdneHRPDSessDeactIdleTO)	long	The value of tmnxMobPdneHRPDSessDeactIdleTO indicates the number of evolved High Rate Packet Data (eHRPD) sessions deactivated due to the idle time-out.
eHRPDSessDeactSessTO [EHRPDSess Deact Sess TO] (tmnxMobPdneHRPDSessDeactSessTO)	long	The value of tmnxMobPdneHRPDSessDeactSessTO indicates the number of evolved High Rate Packet Data (eHRPD) sessions deactivated due to the session time-out.
eHRPDToLTEHandOverFail [EHRPDTo LTEHand Over Fail] (tmnxMobPdneHRPDToLTEHandOverFail)	long	The value of tmnxMobPdneHRPDToLTEHandOverFail indicates the number of failed enhanced High Rate Packet Data (eHRPD) network to Long Term Evolution (LTE) network hand over.
eHRPDToLTEHandOverSucc [EHRPDTo LTEHand Over Succ] (tmnxMobPdneHRPDToLTEHandOverSucc)	long	The value of tmnxMobPdneHRPDToLTEHandOverSucc indicates the number of successful enhanced High Rate Packet Data (eHRPD) network to Long Term Evolution (LTE) network hand over.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
fail3gToS2bHandOver [Fail 3 g To S2 b Hand Over] (tmnxMobPdn3gToS2bHandOverFail)	long	The value of tmnxMobPdn3gToS2bHandOverFail indicates the number of failed handovers from 3G to S2b for the PGW.
gwType [Gw Type] (tmnxMobPdnGwType)	int	The value of tmnxMobGwType specifies the type of mobile gateway.
hrpDAttachFailure [HRPDAAttach Failure] (tmnxMobPdnHRPDAAttachFailure)	long	The value of tmnxMobPdnHRPDAAttachFailure indicates the number of failed High Rate Packet Data (HRPD) attaches.
hrpDAttachSuccess [HRPDAAttach Success] (tmnxMobPdnHRPDAAttachSuccess)	long	The value of tmnxMobPdnHRPDAAttachSuccess indicates the number of successful High Rate Packet Data (HRPD) attaches.
hrpDDetachFailure [HRPDDetach Failure] (tmnxMobPdnHRPDDetachFailure)	long	The value of tmnxMobPdnHRPDDetachFailure indicates the number of failed High Rate Packet Data (HRPD) detaches.
hrpDDetachSuccess [HRPDDetach Success] (tmnxMobPdnHRPDDetachSuccess)	long	The value of tmnxMobPdnHRPDDetachSuccess indicates the number of successful High Rate Packet Data (HRPD) detaches.
hssQosModify [Hss Qos Modify] (tmnxMobPdnProcHssQosModify)	long	The value of tmnxMobPdnProcHssQosModify indicates the number of HSS initiated QoS modification procedures served by this card.
hssQosModifyFail [Hss Qos Modify Fail] (tmnxMobPdnProcHssQosModifyFail)	long	The value of tmnxMobPdnProcHssQosModifyFail indicates the number of HSS initiated QoS modification procedure failures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interHSGWHandOvrFail [Inter HSGWHand Ovr Fail] (tmnxMobPdnInterHSGWHandOvrFail)	long	The value of tmnxMobPdnInterHSGWHandOvrFail indicates the number of failed inter High Rate Packet Data (HRPD) Serving Gateway (HSGW) hand over.
interHSGWHandOvrSucc [Inter HSGWHand Ovr Succ] (tmnxMobPdnInterHSGWHandOvrSucc)	long	The value of tmnxMobPdnInterHSGWHandOvrSucc indicates the number of successful inter High Rate Packet Data (HRPD) Serving Gateway (HSGW) hand over.
interPdsnHandOvrFail [Inter Pdsn Hand Ovr Fail] (tmnxMobPdnInterPdsnHandOvrFail)	long	The value of tmnxMobPdnInterPdsnHandOvrFail indicates the number of failed inter Packet Data Serving Node (PDSN) hand over.
interPdsnHandOvrSucc [Inter Pdsn Hand Ovr Succ] (tmnxMobPdnInterPdsnHandOvrSucc)	long	The value of tmnxMobPdnInterPdsnHandOvrSucc indicates the number of successful inter Packet Data Serving Node (PDSN) hand over.
interRat3gToEutranFail [Inter Rat 3 g To Eutran Fail] (tmnxMobPdnInterRat3gToEutranFail)	long	The value of tmnxMobPdnInterRat3gToEutranFail indicates the number of failed inter RAT handovers from 3G to e-UTRAN.
interRat3gToEutranSucc [Inter Rat 3 g To Eutran Succ] (tmnxMobPdnInterRat3gToEutranSucc)	long	The value of tmnxMobPdnInterRat3gToEutranSucc indicates the number of successful inter Radio Access Type (RAT) handovers from 3G to evolved UMTS Terrestrial Radio Access Network (e-UTRAN).
interRatEutranTo3gFail [Inter Rat Eutran To 3 g Fail] (tmnxMobPdnInterRatEutranTo3gFail)	long	The value of tmnxMobPdnInterRatEutranTo3gFail indicates the number of failed inter RAT handovers from 3G to e-UTRAN.
interRatEutranTo3gSucc [Inter Rat Eutran To 3 g Succ] (tmnxMobPdnInterRatEutranTo3gSucc)	long	The value of tmnxMobPdnInterRatEutranTo3gSucc indicates the number of successful inter RAT handovers from 3G to e-UTRAN.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ITEToeHRPDHandOverFail [LTeToe HRPDHand Over Fail] (tmnxMobPdnLTeToeHRPDHandOverFail)	long	The value of tmnxMobPdnLTeToeHRPDHandOverFail indicates the number of failed Long Term Evolution (LTE) network to enhanced High Rate Packet Data (eHRPD) network hand over.
ITEToeHRPDHandOverSucc [LTeToe HRPDHand Over Succ] (tmnxMobPdnLTeToeHRPDHandOverSucc)	long	The value of tmnxMobPdnLTeToeHRPDHandOverSucc indicates the number of successful Long Term Evolution (LTE) network to enhanced High Rate Packet Data (eHRPD) network hand over.
noOfFailLTeToS2bHandover [No Of Fail LTeTo S2 b Handover] (tmnxMobPdnLTeToS2bHandOverFail)	long	The value of tmnxMobPdnLTeToS2bHandOverFail indicates the number of failed Long Term Evolution (LTE) network to S2b network hand over.
noOfFailS2bAttaches [No Of Fail S2 b Attaches] (tmnxMobPdnS2bAttachFailure)	long	The value of tmnxMobPdnS2bAttachFailure indicates the number of failed S2b attaches.
noOfFailS2bDetaches [No Of Fail S2 b Detaches] (tmnxMobPdnS2bDetachFailure)	long	The value of tmnxMobPdnS2bDetachFailure indicates the number of failed S2b detaches.
noOfFailS2bReqBearerDeAcvt [No Of Fail S2 b Req Bearer De Acvt] (tmnxMobPdnProcS2bNwBrDeactFail)	long	The value of tmnxMobPdnProcS2bNwBrDeactFail indicates the number of failed S2b network requested bearer deactivation procedure.
noOfFailS2bToLTeHandover [No Of Fail S2 b To LTeHandover] (tmnxMobPdnS2bToLTeHandOverFail)	long	The value of tmnxMobPdnS2bToLTeHandOverFail indicates the number of failed S2b network to Long Term Evolution (LTE) network hand over.
noOfReattachFail [No Of Reattach Fail] (tmnxMobPdnProcReattachFail)	long	The value of tmnxMobPdnProcReattachFail indicates the number of User Equipment (UE) reattach requests failed at the Packet Data Network Gateway (PGW).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noOfReattachSuccess [No Of Reattach Success] (tmnxMobPdnProcReattachSuccess)	long	The value of tmnxMobPdnProcReattachSuccess indicates the number of successful User Equipment (UE) reattach requests served at the Packet Data Network Gateway (PGW).
noOfSuccLTEtoS2bHandover [No Of Succ LTEto S2 b Handover] (tmnxMobPdnLTEToS2bHandOverSucc)	long	The value of tmnxMobPdnLTEToS2bHandOverSucc indicates the number of successful Long Term Evolution (LTE) network to S2b network hand over.
noOfSuccS2bAttaches [No Of Succ S2 b Attaches] (tmnxMobPdnS2bAttachSuccess)	long	The value of tmnxMobPdnS2bAttachSuccess indicates the number of successful S2b attaches.
noOfSuccS2bDetaches [No Of Succ S2 b Detaches] (tmnxMobPdnS2bDetachSuccess)	long	The value of tmnxMobPdnS2bDetachSuccess indicates the number of successful S2b detaches.
noOfSuccS2bReqBearerDeAcvt [No Of Succ S2 b Req Bearer De Acvt] (tmnxMobPdnProcS2bNwBrDeactSucc)	long	The value of tmnxMobPdnProcS2bNwBrDeactSucc indicates the number of successful S2b network requested bearer deactivation procedures.
noOfSuccS2bToLTEHandover [No Of Succ S2 b To LTEHandover] (tmnxMobPdnS2bToLTEHandOverSucc)	long	The value of tmnxMobPdnS2bToLTEHandOverSucc indicates the number of successful S2b network to Long Term Evolution (LTE) network hand over.
noOfeHRPDRattachFail [No Ofe HRPDRattach Fail] (tmnxMobPdnProceHRPDRattachFail)	long	The value of tmnxMobPdnProceHRPDRattachFail indicates the number of reattach requests received from enhanced High Rate Packet Data (eHRPD) network failed to be served at the Packet Data Network Gateway (PGW).
noOfeHRPDRattachSucc [No Ofe HRPDRattach Succ] (tmnxMobPdnProceHRPDRattachSucc)	long	The value of tmnxMobPdnProceHRPDRattachSucc indicates the number of successful User Equipment (UE) reattach requests received from enhanced High Rate Packet Data (eHRPD) network served at the Packet Data Network Gateway (PGW).

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nwDedBrActv [Nw Ded Br Actv] (tmnxMobPdnProcNwDedBrActv)	long	The value of tmnxMobPdnProcNwDedBrActv indicates the number of network initiated dedicated bearer activation procedures served by this card.
nwDedBrActvFail [Nw Ded Br Actv Fail] (tmnxMobPdnProcNwDedBrActvFail)	long	The value of tmnxMobPdnProcNwDedBrActvFail indicates the number of network initiated dedicated bearer activation procedure failures.
nwDedBrDeActv [Nw Ded Br De Actv] (tmnxMobPdnProcNwDedBrDeActv)	long	The value of tmnxMobPdnProcNwDedBrDeActv indicates the number of network initiated dedicated bearer activation procedures served by this card.
nwDedBrDeActvFail [Nw Ded Br De Actv Fail] (tmnxMobPdnProcNwDedBrDeActvFail)	long	The value of tmnxMobPdnProcNwDedBrDeActvFail indicates the number of network initiated dedicated bearer activation procedure failures.
pcrfQosModify [Pcrf Qos Modify] (tmnxMobPdnProcPcrfQosModify)	long	The value of tmnxMobPdnProcPcrfQosModify indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedures served by this card.
pcrfQosModifyFail [Pcrf Qos Modify Fail] (tmnxMobPdnProcPcrfQosModifyFail)	long	The value of tmnxMobPdnProcPcrfQosModifyFail indicates the number of Policy and Charging Rules Function (PCRF) initiated QoS modification procedure failures.
pgwPdnSessDel [Pgw Pdn Sess Del] (tmnxMobPdnProcPgwPdnSessDel)	long	The value of tmnxMobPdnProcPgwPdnSessDel indicates the number of successful PDN session-deletion initiated by PDN Gateway (PGW).
procEmergencyAttachSuc [Proc Emergency Attach Suc] (tmnxMobPdnProcEmergencyAttachSuc)	long	The value of tmnxMobPdnProcEmergencyAttachSuc indicates the number of successful Emergency Attach messages served at the Packet Data Network (PDN) Gateway (PGW).
procMmeDedBrDeAcFails [Proc Mme Ded Br De Ac Fails] (tmnxMobPdnProcMmeDedBrDeAcFails)	long	The value of tmnxMobPdnProcMmeDedBrDeAcFails indicates the number of Mobility Management Entity (MME) initiated dedicated bearer de-activation procedure failures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
procMmeDedBrDeActiv [Proc Mme Ded Br De Activ] (tmnxMobPdnProcMmeDedBrDeActiv)	long	The value of tmnxMobPdnProcMmeDedBrDeActiv indicates the number of successful Mobility Management Entity (MME) initiated dedicated bearer de-activation procedures served by this card.
procMsBrModify [Proc Ms Br Modify] (tmnxMobPdnProcMsBrModify)	long	The value of tmnxMobPdnProcMsBrModify indicates the number of Mobile-Station (MS) initiated PDP context modification procedures served by this card.
procMsBrModifyFail [Proc Ms Br Modify Fail] (tmnxMobPdnProcMsBrModifyFail)	long	The value of tmnxMobPdnProcMsBrModifyFail indicates the number of Mobile-Station (MS) initiated PDP context modification procedure failures.
procPDNIRSRP [Proc PDNIRSRP] (tmnxMobPdnProcPDNIRSRP)	long	The value of tmnxMobPdnProcPDNIRSRP indicates the number of Implicit Resume Service Requests (IRSR) received at the Packet Data Network (PDN) Gateway (PGW).
procPDNResumeNotice [Proc PDNResume Notice] (tmnxMobPdnProcPDNResumeNotice)	long	The value of tmnxMobPdnProcPDNResumeNotice indicates the number of Packet Data Network (PDN) resume notifications received at the Packet Data Network (PDN) Gateway (PGW).
procPDNSuspendNotice [Proc PDNSuspend Notice] (tmnxMobPdnProcPDNSuspendNotice)	long	The value of tmnxMobPdnProcPDNSuspendNotice indicates the number of Packet Data Network (PDN) suspend notifications received at the Packet Data Network (PDN) Gateway (PGW).
procSessDeactDueToIt [Proc Sess Deact Due To It] (tmnxMobPdnProcSessDeactDueToIt)	long	The value of tmnxMobPdnProcSessDeactDueToIt indicates the number of PDN sessions deactivated due to the idle timeout.
procSessDeactDueToSt [Proc Sess Deact Due To St] (tmnxMobPdnProcSessDeactDueToSt)	long	The value of tmnxMobPdnProcSessDeactDueToSt indicates the number of PDN sessions deactivated due to the session time-out.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2bTo3gHandOverFail [S2 b To 3 g Hand Over Fail] (tmnxMobPdnS2bTo3gHandOverFail)	long	The value of tmnxMobPdnS2bTo3gHandOverFail indicates the number of failed handovers from S2b to 3G for the PGW.
s2bTo3gHandOverSucc [S2 b To 3 g Hand Over Succ] (tmnxMobPdnS2bTo3gHandOverSucc)	long	The value of tmnxMobPdnS2bTo3gHandOverSucc indicates the number of successful handovers from S2b to 3G for the PGW.
s2bToS2bHandOverFail [S2 b To S2 b Hand Over Fail] (tmnxMobPdnS2bToS2bHandOverFail)	long	The value of tmnxMobPdnS2bToS2bHandOverFail indicates the number of failed handovers from S2b to S2b for the PGW.
s2bToS2bHandOverSucc [S2 b To S2 b Hand Over Succ] (tmnxMobPdnS2bToS2bHandOverSucc)	long	The value of tmnxMobPdnS2bToS2bHandOverSucc indicates the number of successful handovers from S2b to S2b for the PGW.
sessDelFail [Sess Del Fail] (tmnxMobPdnProcPgwPdnSessDelFail)	long	The value of tmnxMobPdnProcPgwPdnSessDelFail indicates the number of failed PDN session-deletion initiated by PDN Gateway (PGW).
sgwReloc [Sgw Reloc] (tmnxMobPdnProcSgwReloc)	long	The value of tmnxMobPdnProcSgwReloc indicates the number of successful Serving Gateway (SGW) relocations.
sgwRelocFail [Sgw Reloc Fail] (tmnxMobPdnProcSgwRelocFail)	long	The value of tmnxMobPdnProcSgwRelocFail indicates the number of failed Serving Gateway (SGW) relocations.
slotId [Slot Id] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
succ3gToS2bHandOver [Succ 3 g To S2 b Hand Over] (tmnxMobPdn3gToS2bHandOverSucc)	long	The value of tmnxMobPdn3gToS2bHandOverSucc indicates the number of successful handovers from 3G to S2b for the PGW.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ueDedBrActv [Ue Ded Br Actv] (tmnxMobPdnProcUeDedBrActv)	long	The value of tmnxMobPdnProcUeDedBrActv indicates the number of User-Equipment (UE) initiated dedicated bearer activation procedures served by this card.
ueDedBrActvFail [Ue Ded Br Actv Fail] (tmnxMobPdnProcUeDedBrActvFail)	long	The value of tmnxMobPdnProcUeDedBrActvFail indicates the number of User-Equipment (UE) initiated dedicated bearer activation procedure failures.
ueDedBrDeActv [Ue Ded Br De Actv] (tmnxMobPdnProcUeDedBrDeActv)	long	The value of tmnxMobPdnProcUeDedBrDeActv indicates the number of User-Equipment (UE) initiated dedicated bearer activation procedures served by this card.
ueDedBrDeActvFail [Ue Ded Br De Actv Fail] (tmnxMobPdnProcUeDedBrDeActvFail)	long	The value of tmnxMobPdnProcUeDedBrDeActvFail indicates the number of User-Equipment (UE) initiated dedicated bearer activation procedure failures.
ueDedBrModify [Ue Ded Br Modify] (tmnxMobPdnProcUeDedBrModify)	long	The value of tmnxMobPdnProcUeDedBrModify indicates the number of User-Equipment (UE) initiated dedicated bearer activation procedures served by this card.
ueDedBrModifyFail [Ue Ded Br Modify Fail] (tmnxMobPdnProcUeDedBrModifyFail)	long	The value of tmnxMobPdnProcUeDedBrModifyFail indicates the number of User-Equipment (UE) initiated dedicated bearer activation procedure failures.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnGwCardStats</p> <p>MIB entry name: tmnxMobPdnStatEntry</p> <p>Entry description: Each row entry represents a Mobility Service Module (MSM) and contains statistics for this card. When the value of tmnxCardSlotNum is equal to '0', then each row entry contains aggregated statistics for a given gateway.</p> <p>Table description (for tmnxMobPdnStatTable): The tmnxMobPdnStatTable has an entry for each each Mobility Service Module (MSM) configured in the mobility system group defined for a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • lte.PDNGateway • netw.NetworkElement 		
bearers [Bearers] (tmnxMobPdnStatBearers)	long	The value of tmnxMobPdnStatBearers indicates the number of bearers and Packet Data Protocol (PDP) contexts being served by this card.
bigDRTBuffered [Big DRTBuffered] (tmnxMobPdnStatGaBigDrtBuffered)	long	The value of tmnxMobPdnStatGaBigDrtBuffered indicates the number of big Ga Data Record Transfer (DRT) requests sent to the CPM and stored on compact flash
buffersAllocError [Buffers Alloc Error] (tmnxMobPdnStatBuffersAllocErr)	long	The value of tmnxMobPdnStatBuffersAllocErr indicates the number of paging buffers not available errors on this card.
buffersAllocated [Buffers Allocated] (tmnxMobPdnStatBuffersAllocated)	long	The value of tmnxMobPdnStatBuffersAllocated indicates the number of allocated paging buffers on this card.
buffersAvailable [Buffers Available] (tmnxMobPdnStatBuffersAvailable)	long	The value of tmnxMobPdnStatBuffersAvailable indicates the number of available paging buffers on this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
combinedActiveBearers [Combined Active Bearers] (tmnxMobPdnStatCmbActiveBearers)	long	The value of tmnxMobPdnStatCmbActiveBearers indicates the number of combined gateway active bearers and Packet Data Protocol (PDP) contexts being served by this card.
combinedBearers [Combined Bearers] (tmnxMobPdnStatCmbBearers)	long	The value of tmnxMobPdnStatCmbBearers indicates the number of combined gateway bearers and Packet Data Protocol (PDP) contexts being served by this card.
combinedDedicatedBearers [Combined Dedicated Bearers] (tmnxMobPdnStatCmbDedBearers)	long	The value of tmnxMobPdnStatCmbDedBearers indicates the number of combined gateway dedicated bearers and Packet Data Protocol (PDP) contexts being served by this card.
combinedDefaultBearers [Combined Default Bearers] (tmnxMobPdnStatCmbDefaultBearers)	long	The value of tmnxMobPdnStatCmbDefaultBearers indicates the number of combined gateway default bearers and Packet Data Protocol (PDP) contexts being served by this card.
combinedIdleBearers [Combined Idle Bearers] (tmnxMobPdnStatCmbIdleBearers)	long	The value of tmnxMobPdnStatCmbIdleBearers indicates the number of combined gateway idle bearers and Packet Data Protocol (PDP) contexts being served by this card.
combinedIpv4Bearers [Combined Ipv 4 Bearers] (tmnxMobPdnStatCmbIpv4Bearers)	long	The value of tmnxMobPdnStatCmbIpv4Bearers indicates the number of combined gateway IPv4 bearers being served by this card.
combinedIpv4PdnSessions [Combined Ipv 4 Pdn Sessions] (tmnxMobPdnStatCmbIpv4PdnSessions)	long	The value of tmnxMobPdnStatCmbIpv4PdnSessions indicates the number of combined gateway IPv4 PDN Sessions being served by this card.
combinedIpv4v6Bearers [Combined Ipv 4 v 6 Bearers] (tmnxMobPdnStatCmbIpv4v6Bearers)	long	The value of tmnxMobPdnStatCmbIpv4v6Bearers indicates the number of combined gateway IPv4v6 bearers being served by this card.
combinedIpv4v6PdnSess [Combined Ipv 4 v 6 Pdn Sess] (tmnxMobPdnStatCmbIpv4v6PdnSess)	long	The value of tmnxMobPdnStatCmbIpv4v6PdnSess indicates the number of combined gateway IPv4v6 PDN Sessions being served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
combinedIpv6Bearers [Combined Ipv 6 Bearers] (tmnxMobPdnStatCmbIpv6Bearers)	long	The value of tmnxMobPdnStatCmbIpv6Bearers indicates the number of combined gateway IPv6 bearers being served by this card.
combinedIpv6PdnSessions [Combined Ipv 6 Pdn Sessions] (tmnxMobPdnStatCmbIpv6PdnSessions)	long	The value of tmnxMobPdnStatCmbIpv6PdnSessions indicates the number of combined gateway IPv6 PDN Sessions being served by this card.
combinedPdnSessions [Combined Pdn Sessions] (tmnxMobPdnStatCmbPdnSessions)	long	The value of tmnxMobPdnStatCmbPdnSessions indicates the number of combined gateway PDN sessions being served by this card.
dedicatedBearers [Dedicated Bearers] (tmnxMobPdnStatDedicatedBearers)	long	The value of tmnxMobPdnStatDedicatedBearers indicates the number of dedicated bearers being served by this card.
defaultBearers [Default Bearers] (tmnxMobPdnStatDefaultBearers)	long	The value of tmnxMobPdnStatDefaultBearers indicates the number of default bearers being served by this card.
enbs [Enbs] (tmnxMobPdnStatENBs)	long	The value of tmnxMobPdnStatENBs indicates the number of Evolved NodeBs (eNodeBs) being served by this card.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
epdgSessions [Epdg Sessions] (tmnxMobPdnStatEpdgSess)	long	The value of tmnxMobPdnStatEpdgSess indicates the number of Evolved Packet Data Gateway (EPDG) sessions.
hrpdPDNSess [Hrpd PDNSess] (tmnxMobPdnStatHRPDPDNSess)	long	The value of tmnxMobPdnStatHRPDPDNSess indicates the number of High Rate Packet Data (HRPD) Packet Data Network (PDN) sessions.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
idleUes [Idle Ues] (tmnxMobPdnStatIdleUes)	long	The value of tmnxMobPdnStatIdleUes indicates the number of idle User Equipments (UE) being served by this card.
ipLocalPools [Ip Local Pools] (tmnxMobPdnStatIpLocalPools)	long	The value of tmnxMobPdnStatIpLocalPools indicates the number of IP local pools being served by this card.
ipv4Bearers [Ipv 4 Bearers] (tmnxMobPdnStatIpv4Bearers)	long	The value of tmnxMobPdnStatIpv4Bearers indicates the number of IPv4 bearers being served by this card.
ipv4HaSessions [Ipv 4 Ha Sessions] (tmnxMobPdnStatIpv4HaSessions)	long	The value of tmnxMobPdnStatIpv4HaSessions indicates the number of IPv4 Home Agent Sessions being served by this card.
ipv4PdnSessions [Ipv 4 Pdn Sessions] (tmnxMobPdnStatIpv4PdnSessions)	long	The value of tmnxMobPdnStatIpv4PdnSessions indicates the number of IPv4 PDN Sessions being served by this card.
ipv4PrimaryPdpContext [Ipv 4 Primary Pdp Context] (tmnxMobPdnStatIpv4PriPdpCtx)	long	The value of tmnxMobPdnStatIpv4PriPdpCtx indicates the number of IPv4 primary Packet Data Protocol (PDP) contexts being served.
ipv4Sdf [Ipv 4 Sdf] (tmnxMobPdnStatIpv4Sdf)	long	The value of tmnxMobPdnStatIpv4Sdf indicates the number of IPv4 Service Data Flows (SDFs) on this card.
ipv4v6Bearers [Ipv 4 v 6 Bearers] (tmnxMobPdnStatIpv4v6Bearers)	long	The value of tmnxMobPdnStatIpv4v6Bearers indicates the number of IPv4v6 bearers being served by this card.
ipv4v6PdnSessions [Ipv 4 v 6 Pdn Sessions] (tmnxMobPdnStatIpv4v6PdnSessions)	long	The value of tmnxMobPdnStatIpv4v6PdnSessions indicates the number of IPv4v6 PDN Sessions being served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4v6PrimaryPdpContext [Ipv 4 v 6 Primary Pdp Context] (tmnxMobPdnStatIpv4v6PriPdpCtx)	long	The value of tmnxMobPdnStatIpv4v6PriPdpCtx indicates the number of IPv4 and IPv6 primary Packet Data Protocol (PDP) contexts being served.
ipv6Bearers [Ipv 6 Bearers] (tmnxMobPdnStatIpv6Bearers)	long	The value of tmnxMobPdnStatIpv6Bearers indicates the number of IPv6 bearers being served by this card.
ipv6PdnSessions [Ipv 6 Pdn Sessions] (tmnxMobPdnStatIpv6PdnSessions)	long	The value of tmnxMobPdnStatIpv6PdnSessions indicates the number of IPv6 PDN Sessions being served by this card.
ipv6PrimaryPdpContext [Ipv 6 Primary Pdp Context] (tmnxMobPdnStatIpv6PriPdpCtx)	long	The value of tmnxMobPdnStatIpv6PriPdpCtx indicates the number of IPv6 primary Packet Data Protocol (PDP) contexts being served.
ipv6Sdf [Ipv 6 Sdf] (tmnxMobPdnStatIpv6Sdf)	long	The value of tmnxMobPdnStatIpv6Sdf indicates the number of IPv6 Service Data Flows (SDFs) on this card.
mmes [Mmes] (tmnxMobPdnStatMmes)	long	The value of tmnxMobPdnStatMmes indicates the number of Mobility Management Entities (MMEs) being served by this card.
nemoEhrpdSess [Nemo Ehrpd Sess] (tmnxMobPdnStatNemoEhrpdSess)	long	The value of tmnxMobPdnStatNemoEhrpdSess indicates the number of Network Mobility (NEMO) sessions over Enhanced High Rate Packet Data (eHRPD).
nemoHaSess [Nemo Ha Sess] (tmnxMobPdnStatNemoHaSess)	long	The value of tmnxMobPdnStatNemoHaSess indicates the the number of Network Mobility (NEMO) sessions over Home Agent.
nemoIpv4Subnets [Nemo Ipv 4 Subnets] (tmnxMobPdnStatNemoIpv4Subnets)	long	The value of tmnxMobPdnStatNemoIpv4Subnets indicates the Network Mobility (NEMO) IPv4 Subnets.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nemoLteSess [Nemo Lte Sess] (tmnxMobPdnStatNemoLteSess)	long	The value of tmnxMobPdnStatNemoLteSess indicates the number of Network Mobility (NEMO) sessions over LTE.
noOfABSDrpdReq [No Of ABSDrpd Req] (tmnxMobPdnStatABSDrpdReq)	long	The value of tmnxMobPdnStatABSDrpdReq indicates the total number of dropped requests due to overload per PDN.
noOfEmerpdnSessions [No Of Emerpdn Sessions] (tmnxMobPdnStatEmergencyPdnSess)	long	The value of tmnxMobPdnStatEmergencyPdnSess indicates the number of Emergency PDN sessions on this card.
noOfGaChrgDataRecordsBuf [No Of Ga Chrg Data Records Buf] (tmnxMobPdnStatGaCdrBuffered)	long	The value of tmnxMobPdnStatGaCdrBuffered indicates the number of Ga Charging Data Records (CDRs) sent to the CPM and stored on compact flash because of a Charging Gateway Function (CGF) outage or no CGF peers configured by the gateway on this card.
noOfGaDataRecordTransferRe- questMaxMsgsqueued [No Of Ga Data Record Transfer Request Max Msgsqueued] (tmnxMobPdnStatGaDrtReqMaxQueued)	long	The value of tmnxMobPdnStatGaDrtReqMaxQueued indicates the number of Ga GPRS Tunneling Protocol (GTP) Data Record Transfer (DRT) Request messages queued by the gateway on this card at a given time. This is the high water mark for the DRT message queue served by the gateway on this card.
noOfGaDataRecordTransferRe- questMsgsqueued [No Of Ga Data Record Transfer Request Msgsqueued] (tmnxMobPdnStatGaDrtReqQueue)	long	The value of tmnxMobPdnStatGaDrtReqQueue indicates the current number of Ga GPRS Tunneling Protocol (GTP) Data Record Transfer (DRT) Request messages queued or in the process of being sent to the Charging Gateway Function (CGF) by the gateway on this card.
noOfIPv4Sess [No Of IPv 4 Sess] (tmnxMobPdnStatHSSStaticIpv4Sess)	long	The value of tmnxMobPdnStatHSSStaticIpv4Sess indicates the number of static IPv4 Packet Data Network (PDN) sessions.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noOfIPv4v6Sess [No Of IPv 4 v 6 Sess] (tmnxMobPdnStatHSSStlIpv4v6Sess)	long	The value of tmnxMobPdnStatHSSStlIpv4v6Sess indicates the number of static IPv4v6 Packet Data Network (PDN) sessions.
noOfIPv6Sess [No Of IPv 6 Sess] (tmnxMobPdnStatHSSStaticIpv6Sess)	long	The value of tmnxMobPdnStatHSSStaticIpv6Sess indicates the number of static IPv6 Packet Data Network (PDN) sessions.
noOfLTEPDNSess [No Of LTEPDNSess] (tmnxMobPdnStatLTEPDNSess)	long	The value of tmnxMobPdnStatLTEPDNSess indicates the number of Long Term Evolution (LTE) Packet Data Network (PDN) sessions.
noOfPdnSessOverS2b [No Of Pdn Sess Over S2 b] (tmnxMobPdnStatS2bPdnSess)	long	The value of tmnxMobPdnStatS2bPdnSess indicates the number of Packet Data Network (PDN) sessions connected over S2b interface.
noOfRfAcctIntMsgBuf [No Of Rf Acct Int Msg Buf] (tmnxMobPdnStatRfAcctIntBuf)	long	The value of tmnxMobPdnStatRfAcctIntBuf indicates the number of Accounting Request (ACR) Interim messages buffered by this card.
noOfRfAcctStartMsgBuf [No Of Rf Acct Start Msg Buf] (tmnxMobPdnStatRfAcctStartBuf)	long	The value of tmnxMobPdnStatRfAcctStartBuf indicates the number of Accounting Request (ACR) Start messages buffered by this card.
noOfRfAcctStopMsgBuf [No Of Rf Acct Stop Msg Buf] (tmnxMobPdnStatRfAcctStopBuf)	long	The value of tmnxMobPdnStatRfAcctStopBuf indicates the number of Accounting Request (ACR) Stop messages buffered by this card.
noOfRfRefPointPeersServ [No Of Rf Ref Point Peers Serv] (tmnxMobPdnStatRfPeer)	long	The value of tmnxMobPdnStatRfPeer indicates the number of peers on the Rf reference point being served by this card.
noOfSuspendedPDNSess [No Of Suspended PDNSess] (tmnxMobPdnStatNumSuspendedPDN)	long	The value of tmnxMobPdnStatNumSuspendedPDN indicates the number of Packet Data Network (PDN) sessions in suspended state.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noOfSuspendedUE [No Of Suspended UE] (tmnxMobPdnStatNumSuspendedUE)	long	The value of tmnxMobPdnStatNumSuspendedUE indicates the number of User Equipments (UE) in the suspended state.
noOfeHRPDPDNsSess [No Ofe HRPDPDNsSess] (tmnxMobPdnStateHRPDPDNsSess)	long	The value of tmnxMobPdnStateHRPDPDNsSess indicates the number of enhanced High Rate Packet Data (eHRPD) Packet Data Network (PDN) sessions.
noOfpdnSessions [No Ofpdn Sessions] (tmnxMobPdnStat2G3GPDNsSess)	long	The value of tmnxMobPdnStat2G3GPDNsSess indicates the number of 2G/3G Packet Data Network (PDN) sessions.
pagingDrops [Paging Drops] (tmnxMobPdnStatPagingDrops)	long	The value of tmnxMobPdnStatPagingDrops indicates the number of packets that are dropped while the User Equipment (UE) is in paging mode.
pagingInProgress [Paging Inprogress] (tmnxMobPdnStatPagingInProgress)	long	The value of tmnxMobPdnStatPagingInProgress indicates the number of paging processes in progress on this card.
pauseChrgHldTmStp [Pause Chrg Hld Tm Stp] (tmnxMobPdnStatPauseChrgHldTmStp)	long	The value of tmnxMobPdnStatPauseChrgHldTmStp indicates number of times pause charging hold timer was started but stopped before pause charging message is triggered.
pauseChrgHldTmStrt [Pause Chrg Hld Tm Strt] (tmnxMobPdnStatPauseChrgHldTmStrt)	long	The value of tmnxMobPdnStatPauseChrgHldTmStrt indicates number of times pause charging hold timer starts because of full paging buffer on Mobile Gateway (MG) card.
pdnStatHomers [Pdn Stat Homers] (tmnxMobPdnStatHomers)	long	The value of tmnxMobPdnStatHomers indicates the number of homers being served by this card.
pdnStatVisitors [Pdn Stat Visitors] (tmnxMobPdnStatVisitors)	long	The value of tmnxMobPdnStatVisitors indicates the number of visitors being served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pgws [Pgws] (tmnxMobPdnStatPdnSessions)	long	The value of tmnxMobPdnStatPdnSessions indicates the number of PDN sessions being served by this card.
primaryPdpContext [Primary Pdp Context] (tmnxMobPdnStatPriPdpContext)	long	The value of tmnxMobPdnStatPriPdpContext indicates the total number of primary Packet Data Protocol (PDP) contexts being served.
realApn [Real Apn] (tmnxMobPdnStatRealApn)	long	The value of tmnxMobPdnStatRealApn indicates the number of real Access Point Names (APNs) being served by this card.
redirSessions [Redir Sessions] (tmnxMobPdnStatRedirSessions)	long	The value of tmnxMobPdnStatRedirSessions indicates the total number of redirected sessions per PDN.
rncs [Rncs] (tmnxMobPdnStatRncs)	long	The value of tmnxMobPdnStatRncs indicates the number of Pdning General Packet Radio Pdnice (GPRS) Support Node (SGSNs) being served by this card.
roamers [Roamers] (tmnxMobPdnStatRoamers)	long	The value of tmnxMobPdnStatRoamers indicates the number of roamers being served by this card.
s2aPdnSess [S2 a Pdn Sess] (tmnxMobPdnStatS2aPdnSess)	long	The value of tmnxMobPdnStatS2aPdnSess indicates the number of Packet Data Network (PDN) sessions connected over S2a interface.
secondaryPdpContext [Secondary Pdp Context] (tmnxMobPdnStatSecPdpContext)	long	The value of tmnxMobPdnStatSecPdpContext indicates the total number of secondary Packet Data Protocol (PDP) contexts being served.
sgsns [Sgsns] (tmnxMobPdnStatSgsns)	long	The value of tmnxMobPdnStatSgsns indicates the number of Pdning General Packet Radio Pdnice (GPRS) Support Node (SGSNs) being served by this card.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
slotId [Slot Id] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
steeringSessions [Steering Sessions] (tmnxMobPdnStatSteeringSessions)	long	The value of tmnxMobPdnStatSteeringSessions indicates number of steering sessions.
tetherSessions [Tether Sessions] (tmnxMobPdnStatTetherSessions)	long	The value of tmnxMobPdnStatTetherSessions indicates the total number of tethered sessions per PDN.
ues [Ues] (tmnxMobPdnStatUes)	long	The value of tmnxMobPdnStatUes indicates the number of User Equipments (UE) being served by this card.
vPRNs [VPRNs] (tmnxMobPdnStatVPRNs)	long	The value of tmnxMobPdnStatVPRNs indicates the number of VPRNs being served by this card.
<p>VideoGroupMemberStats</p> <p>MIB entry name: tmnxVdoGrpMDAEntry</p> <p>Entry description: Each row entry represents an MDA configured for a Video ISA Group in the system. Entries are created and deleted by the user.</p> <p>Table description (for tmnxVdoGrpMDATable): The tmnxVdoGrpMDATable has an entry for each MDA configured for the Video ISP Group in the system. A specific MDA is configured for only a tmnxVdoGrpId.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isa.VideoGroupMember</p>		
vdoGrpMdaActiveRtcpSessions [Vdo Grp Mda Active Rtcp Sessions] (tmnxVdoGrpMdaActiveRtcpSessions)	long	The value of tmnxVdoGrpMdaActiveRtcpSessions indicates the number of active Real Time Transport Control Protocol (RTCP) sessions on this MDA.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaAdStreamAborts [Vdo Grp Mda Ad Stream Aborts] (tmnxVdoGrpMdaAdStreamAborts)	long	The value of tmnxVdoGrpMdaAdStreamAborts indicates the number of ad stream aborts on this MDA. An ad stream abort could happen when an egress reset happens.
vdoGrpMdaAdStreamResets [Vdo Grp Mda Ad Stream Resets] (tmnxVdoGrpMdaAdStreamResets)	long	The value of tmnxVdoGrpMdaAdStreamResets indicates the number of ad stream resets on this MDA. An ad stream reset occurs when the ingress ad stream stops.
vdoGrpMdaAvailableMemory [Vdo Grp Mda Available Memory] (tmnxVdoGrpMdaAvailableMemory)	long	The value of tmnxVdoGrpMdaAvailableMemory indicates the amount of cache available on the MDA for storing the video stream.
vdoGrpMdaBwInUse [Vdo Grp Mda Bw In Use] (tmnxVdoGrpMdaBwInUse)	long	The value of tmnxVdoGrpMdaBwInUse indicates the total aggregate bandwidth of the currently running egress streams.
vdoGrpMdaChannelAllocFails [Vdo Grp Mda Channel Alloc Fails] (tmnxVdoGrpMdaChannelAllocFails)	long	The value of tmnxVdoGrpMdaChannelAllocFails indicates the number of failed channel allocations on this MDA.
vdoGrpMdaChannels [Vdo Grp Mda Channels] (tmnxVdoGrpMdaChannels)	long	The value of tmnxVdoGrpMdaChannels indicates the number of channels being served on this MDA.
vdoGrpMdaEgressStreamResets [Vdo Grp Mda Egress Stream Resets] (tmnxVdoGrpMdaEgressStreamResets)	long	The value of tmnxVdoGrpMdaEgressStreamResets indicates the number of egress stream resets on this MDA. An egress stream reset occurs when there are no packets to transmit on the MDA.
vdoGrpMdaHighPktPoolLimitHit [Vdo Grp Mda High Pkt Pool Limit Hit] (tmnxVdoGrpMdaHighPktPoolLimitHit)	long	The value of tmnxVdoGrpMdaHighPktPoolLimitHit indicates the number of times the high packet pool limit has been hit. A high value of this object indicates potential failure in ingress packet storage.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaIngressStreamResets [Vdo Grp Mda Ingress Stream Resets] (tmnxVdoGrpMdaIngressStreamResets)	long	The value of tmnxVdoGrpMdaIngressStreamResets indicates the number of ingress stream resets on this MDA. An ingress stream reset occurs when the ingress stream stopped coming in for more than one second.
vdoGrpMdaMaxBwExceeded [Vdo Grp Mda Max Bw Exceeded] (tmnxVdoGrpMdaMaxBwExceeded)	long	The value of tmnxVdoGrpMdaMaxBwExceeded indicates the number of times maximum allowed bandwidth has been exceeded for each egress stream.
vdoGrpMdaRequestedRtpPkts [Vdo Grp Mda Requested Rtp Pkts] (tmnxVdoGrpMdaRequestedRtpPkts)	long	The value of tmnxVdoGrpMdaRequestedRtpPkts indicates the number of Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this MDA.
vdoGrpMdaRtcpConfigErrors [Vdo Grp Mda Rtcp Config Errors] (tmnxVdoGrpMdaRtcpConfigErrors)	long	The value of tmnxVdoGrpMdaRtcpConfigErrors indicates the number of Real-time Transport Control Protocol (RTCP) config errors on this MDA. These errors occur when there is inconsistency between the RTCP values and the configured values.
vdoGrpMdaRtcpIntErrors [Vdo Grp Mda Rtcp Int Errors] (tmnxVdoGrpMdaRtcpIntErrors)	long	The value of tmnxVdoGrpMdaRtcpIntErrors indicates the number of Real-time Transport Control Protocol (RTCP) interface related errors on this MDA.
vdoGrpMdaRtcpIpcErrors [Vdo Grp Mda Rtcp Ipc Errors] (tmnxVdoGrpMdaRtcpIpcErrors)	long	The value of tmnxVdoGrpMdaRtcpIpcErrors indicates the number of Real-time Transport Control Protocol (RTCP) inter-process communication message processing errors on this MDA.
vdoGrpMdaRtcpParseErrors [Vdo Grp Mda Rtcp Parse Errors] (tmnxVdoGrpMdaRtcpParseErrors)	long	The value of tmnxVdoGrpMdaRtcpParseErrors indicates the number of Real-time Transport Control Protocol (RTCP) packet parsing errors on this MDA.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaRtcpSgErrors [Vdo Grp Mda Rtcp Sg Errors] (tmnxVdoGrpMdaRtcpSgErrors)	long	The value of tmnxVdoGrpMdaRtcpSgErrors indicates the number of Real-time Transport Control Protocol (RTCP) channel errors on this MDA. These errors occur when a channel is not found for a given interface to process RTCP packets.
vdoGrpMdaRtcpSubErrors [Vdo Grp Mda Rtcp Sub Errors] (tmnxVdoGrpMdaRtcpSubErrors)	long	The value of tmnxVdoGrpMdaRtcpSubErrors indicates the number of Real-time Transport Control Protocol (RTCP) subscriber parameter errors on this MDA. These errors occur when the subscriber calculations exceed the maximum allowed bandwidth.
vdoGrpMdaRxDataOctets [Vdo Grp Mda Rx Data Octets] (tmnxVdoGrpMdaRxDataOctets)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataOctets indicates the number of data octets received on this MDA.
vdoGrpMdaRxDataOctetsHigh32 [Vdo Grp Mda Rx Data Octets High 32] (tmnxVdoGrpMdaRxDataOctetsHigh32)	long	The value of tmnxVdoGrpMdaRxDataOctetsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataOctets.
vdoGrpMdaRxDataOctetsLow32 [Vdo Grp Mda Rx Data Octets Low 32] (tmnxVdoGrpMdaRxDataOctetsLow32)	long	The value of tmnxVdoGrpMdaRxDataOctetsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataOctets.
vdoGrpMdaRxDataPacketErrors [Vdo Grp Mda Rx Data Packet Errors] (tmnxVdoGrpMdaRxDataPacketErrors)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataPacketErrors indicates the number of malformed or non-RTP (Real Time Transport Protocol) packets received on this MDA.
vdoGrpMdaRxDataPackets [Vdo Grp Mda Rx Data Packets] (tmnxVdoGrpMdaRxDataPackets)	java. math. BigInteger	The value of tmnxVdoGrpMdaRxDataPackets indicates the number of data packets received on this MDA.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaRxDataPacketsHigh32 [Vdo Grp Mda Rx Data Packets High 32] (tmnxVdoGrpMdaRxDataPacketsHigh32)	long	The value of tmnxVdoGrpMdaRxDataPacketsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataPackets.
vdoGrpMdaRxDataPacketsLow32 [Vdo Grp Mda Rx Data Packets Low 32] (tmnxVdoGrpMdaRxDataPacketsLow32)	long	The value of tmnxVdoGrpMdaRxDataPacketsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataPackets.
vdoGrpMdaRxDataPktErrsHigh32 [Vdo Grp Mda Rx Data Pkt Errs High 32] (tmnxVdoGrpMdaRxDataPktErrsHigh32)	long	The value of tmnxVdoGrpMdaRxDataPktErrsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaRxDataPacketErrors.
vdoGrpMdaRxDataPktErrsLow32 [Vdo Grp Mda Rx Data Pkt Errs Low 32] (tmnxVdoGrpMdaRxDataPktErrsLow32)	long	The value of tmnxVdoGrpMdaRxDataPktErrsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaRxDataPacketErrors.
vdoGrpMdaSrcCollisions [Vdo Grp Mda Src Collisions] (tmnxVdoGrpMdaSrcCollisions)	long	The value of tmnxVdoGrpMdaSrcCollisions indicates the number of synchronization source (SSRC) id collisions on this MDA.
vdoGrpMdaTxDataOctets [Vdo Grp Mda Tx Data Octets] (tmnxVdoGrpMdaTxDataOctets)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataOctets indicates the number of data octets transmitted on this MDA.
vdoGrpMdaTxDataOctetsHigh32 [Vdo Grp Mda Tx Data Octets High 32] (tmnxVdoGrpMdaTxDataOctetsHigh32)	long	The value of tmnxVdoGrpMdaTxDataOctetsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataOctets.
vdoGrpMdaTxDataOctetsLow32 [Vdo Grp Mda Tx Data Octets Low 32] (tmnxVdoGrpMdaTxDataOctetsLow32)	long	The value of tmnxVdoGrpMdaTxDataOctetsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataOctets.

Table 535 isa statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpMdaTxDataPacketErrors [Vdo Grp Mda Tx Data Packet Errors] (tmnxVdoGrpMdaTxDataPacketErrors)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataPacketErrors indicates the number of failed data packets due to lack of resources to be transmitted on this MDA.
vdoGrpMdaTxDataPackets [Vdo Grp Mda Tx Data Packets] (tmnxVdoGrpMdaTxDataPackets)	java. math. BigInteger	The value of tmnxVdoGrpMdaTxDataPackets indicates the number of data packets transmitted on this MDA.
vdoGrpMdaTxDataPacketsHigh32 [Vdo Grp Mda Tx Data Packets High 32] (tmnxVdoGrpMdaTxDataPacketsHigh32)	long	The value of tmnxVdoGrpMdaTxDataPacketsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataPackets.
vdoGrpMdaTxDataPacketsLow32 [Vdo Grp Mda Tx Data Packets Low 32] (tmnxVdoGrpMdaTxDataPacketsLow32)	long	The value of tmnxVdoGrpMdaTxDataPacketsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataPackets.
vdoGrpMdaTxDataPktErrsHigh32 [Vdo Grp Mda Tx Data Pkt Errs High 32] (tmnxVdoGrpMdaTxDataPktErrsHigh32)	long	The value of tmnxVdoGrpMdaTxDataPktErrsHigh32 indicates the higher 32 bits of the value of tmnxVdoGrpMdaTxDataPacketErrors.
vdoGrpMdaTxDataPktErrsLow32 [Vdo Grp Mda Tx Data Pkt Errs Low 32] (tmnxVdoGrpMdaTxDataPktErrsLow32)	long	The value of tmnxVdoGrpMdaTxDataPktErrsLow32 indicates the lower 32 bits of the value of tmnxVdoGrpMdaTxDataPacketErrors.
vdoGrpMdaTxLostPackets [Vdo Grp Mda Tx Lost Packets] (tmnxVdoGrpMdaTxLostPackets)	long	The value of tmnxVdoGrpMdaTxLostPackets indicates the number of packets not found in the video MDA buffer for retransmission. When a retransmission request arrives, packets are checked in the buffer and if they are not found, the value of this object is incremented.
vdoGrpMdaUsedMemory [Vdo Grp Mda Used Memory] (tmnxVdoGrpMdaUsedMemory)	long	The value of tmnxVdoGrpMdaUsedMemory indicates the amount of cache being used by the video group for storing the video stream.

Table 536 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisisStatsTable): The tmnxIisisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisisTable and tmnxIisisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisisStatsCSNPDrop)	long	The value of the object tmnxIisisStatsCSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsCSNPDrop.
csnpReceived [Csnp Received] (tmnxIisisStatsCSNPRecd)	long	The value of the object tmnxIisisStatsCSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisisStatsCSNPRetrans)	long	The value of the object tmnxIisisStatsCSNPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsCSNPRetrans.
csnpSent [Csnp Sent] (tmnxIisisStatsCSNPSent)	long	The value of the object tmnxIisisStatsCSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsCSNPSent.
helloDropped [Hello Dropped] (tmnxIisisStatsIIHDrop)	long	The value of the object tmnxIisisStatsIIHDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsIIHDrop.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsIIHRecd.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsIIHRetrans.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsIIHSent.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsLSPDrop.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIsisStatsLSPRecd.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIsisStatsLSPRetrans.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIsisStatsLSPSent.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIsisStatsPSNPDrop.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpReceived [Psnp Received] (tmnxIisisStatsPSNPRecd)	long	The value of the object tmnxIisisStatsPSNPRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (tmnxIisisStatsPSNPReTrans)	long	The value of the object tmnxIisisStatsPSNPReTrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsPSNPReTrans.
psnpSent [Psnp Sent] (tmnxIisisStatsPSNPSent)	long	The value of the object tmnxIisisStatsPSNPSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsPSNPSent.
unknownDropped [Unknown Dropped] (tmnxIisisStatsUnknownDrop)	long	The value of the object tmnxIisisStatsUnknownDrop indicates the count of link state PDUs dropped by this instance of the protocol is maintained by tmnxIisisStatsUnknownDrop.
unknownReceived [Unknown Received] (tmnxIisisStatsUnknownRecd)	long	The value of the object tmnxIisisStatsUnknownRecd indicates the count of link state PDUs received by this instance of the protocol is maintained by tmnxIisisStatsUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (tmnxIisisStatsUnknownReTrans)	long	The value of the object tmnxIisisStatsUnknownReTrans indicates the count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by tmnxIisisStatsUnknownReTrans.
unknownSent [Unknown Sent] (tmnxIisisStatsUnknownSent)	long	The value of the object tmnxIisisStatsUnknownSent indicates the count of link state PDUs sent out by this instance of the protocol is maintained by tmnxIisisStatsUnknownSent.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.
<p>SiteStats MIB entry name: tmnxIsisStatsEntry Entry description: Each row entry in the tmnxIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for tmnxIsisStatsTable): The tmnxIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIsisTable and tmnxIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIsisStatsCSPFDroppedRequests)	long	The value of the object tmnxIsisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIsisStatsCSPFPathsFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.

Table 536 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIsisStatsCSPFPathsNotFound)	long	The value of the object tmnxIsisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIsisStatsCSPFRequests)	long	The value of the object tmnxIsisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIsisStatsInitiatedPurges)	long	The value of the object tmnxIsisStatsInitiatedPurges indicates the number of times purges have been initiated.
lfaRuns [Lfa Runs] (tmnxIsisStatsLfaRuns)	long	The value of the object tmnxIsisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIsisStatsLSPRegenerations)	long	The value of the object tmnxIsisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIsisStatsSpfRuns)	long	The value of the object tmnxIsisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 537 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 538 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inMultipleSpanningTreeBpdus [In Multiple Spanning Tree Bpdus] (sapTlsStpInMstBpdus)	long	The value of the object sapTlsStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.
outMultipleSpanningTreeBpdus [Out Multiple Spanning Tree Bpdus] (sapTlsStpOutMstBpdus)	long	The value of the object sapTlsStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this SAP.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this SAP.
<p>CircuitMrpInfoStats</p> <p>MIB entry name: sdpBindTlsMrpEntry</p> <p>Entry description: Each row entry contains objects that allows the modification of the Multiple Registration Protocol feature for a specific SDP-Binding in a TLS service.</p> <p>Table description (for sdpBindTlsMrpTable): The sdpBindTlsMrpTable allows the operator to modify attributes of the Multiple Registration Protocol (MRP) feature for the TLS SDP Bind. This table contains an entry for each TLS SDP Bind created by the user using either sdpBindTlsTable or sdpBindMeshTlsTable. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.CircuitMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sdpBindTlsMrpDroppedPdus)	long	The value of sdpBindTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SDP Bind.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxEmptyEvent [Mrp Rx Empty Event] (sdpBindTIsMrpRxEmptyEvent)	long	The value of sdpBindTIsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SDP Bind.
mrpRxInEvent [Mrp Rx In Event] (sdpBindTIsMrpRxInEvent)	long	The value of sdpBindTIsMrpRxInEvent indicates the number of 'In' MRP events received on this SDP Bind.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sdpBindTIsMrpRxJoinEmptyEvent)	long	The value of sdpBindTIsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SDP Bind.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sdpBindTIsMrpRxJoinInEvent)	long	The value of sdpBindTIsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SDP Bind.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sdpBindTIsMrpRxLeaveEvent)	long	The value of sdpBindTIsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SDP Bind.
mrpRxNewEvent [Mrp Rx New Event] (sdpBindTIsMrpRxNewEvent)	long	The value of sdpBindTIsMrpRxNewEvent indicates the number of 'New' MRP events received on this SDP Bind.
mrpRxPdus [Mrp Rx Pdus] (sdpBindTIsMrpRxPdus)	long	The value of sdpBindTIsMrpRxPdus indicates the number of MRP packets received on this SDP Bind.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sdpBindTIsMrpTxEmptyEvent)	long	The value of sdpBindTIsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SDP Bind.
mrpTxInEvent [Mrp Tx In Event] (sdpBindTIsMrpTxInEvent)	long	The value of sdpBindTIsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SDP Bind.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sdpBindTlsMrpTxJoinEmptyEvent)	long	The value of sdpBindTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SDP Bind.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sdpBindTlsMrpTxJoinInEvent)	long	The value of sdpBindTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SDP Bind.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sdpBindTlsMrpTxLeaveEvent)	long	The value of sdpBindTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SDP Bind.
mrpTxNewEvent [Mrp Tx New Event] (sdpBindTlsMrpTxNewEvent)	long	The value of sdpBindTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SDP Bind.
mrpTxPdus [Mrp Tx Pdus] (sdpBindTlsMrpTxPdus)	long	The value of sdpBindTlsMrpTxPdus indicates the number of MRP packets transmitted on this SDP Bind.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMrpInfoStats</p> <p>MIB entry name: sapTlsMrpEntry</p> <p>Entry description: MRP specific information about a SAP in a TLS.</p> <p>Table description (for sapTlsMrpTable): The sapTlsMrpTable augments sapTlsInfoTable with attributes of the Multiple Registration Protocol (MRP) feature for the TLS SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.L2AccessInterfaceMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sapTlsMrpDroppedPdus)	long	The value of sapTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SAP.
mrpRxEmptyEvent [Mrp Rx Empty Event] (sapTlsMrpRxEmptyEvent)	long	The value of sapTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SAP.
mrpRxInEvent [Mrp Rx In Event] (sapTlsMrpRxInEvent)	long	The value of sapTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SAP.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sapTlsMrpRxJoinEmptyEvent)	long	The value of sapTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SAP.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sapTlsMrpRxJoinInEvent)	long	The value of sapTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SAP.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sapTlsMrpRxLeaveEvent)	long	The value of sapTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SAP.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxNewEvent [Mrp Rx New Event] (sapTlsMrpRxNewEvent)	long	The value of sapTlsMrpRxNewEvent indicates the number of 'New' MRP events received on this SAP.
mrpRxPdus [Mrp Rx Pdus] (sapTlsMrpRxPdus)	long	The value of sapTlsMrpRxPdus indicates the number of MRP packets received on this SAP.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sapTlsMrpTxEmptyEvent)	long	The value of sapTlsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SAP.
mrpTxInEvent [Mrp Tx In Event] (sapTlsMrpTxInEvent)	long	The value of sapTlsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SAP.
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sapTlsMrpTxJoinEmptyEvent)	long	The value of sapTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SAP.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sapTlsMrpTxJoinInEvent)	long	The value of sapTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SAP.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sapTlsMrpTxLeaveEvent)	long	The value of sapTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SAP.
mrpTxNewEvent [Mrp Tx New Event] (sapTlsMrpTxNewEvent)	long	The value of sapTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SAP.
mrpTxPdus [Mrp Tx Pdus] (sapTlsMrpTxPdus)	long	The value of sapTlsMrpTxPdus indicates the number of MRP packets transmitted on this SAP.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object specifies the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this PIP uplink.
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this PIP uplink.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		

Table 538 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 539 l2tp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupProfileStats</p> <p>MIB entry name: tmnxL2tpTgStatEntry</p> <p>Entry description: Each row entry contains status and statistics about an L2TP tunnel group. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxL2tpTgStatTable): The tmnxL2tpTgStatTable contains status and statistics information about Layer Two Tunneling Protocol Tunnel Groups. The tmnxL2tpTgStatTable has an entry for each L2TP Tunnel Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: l2tp.GroupProfile</p>		
activeSessions [Active Sessions] (tmnxL2tpTgStatActiveSessions)	long	The value of tmnxL2tpTgStatActiveSessions indicates the number of sessions currently established in this tunnel group.
activeTunnels [Active Tunnels] (tmnxL2tpTgStatActiveTunnels)	long	The value of tmnxL2tpTgStatActiveTunnels indicates the number of tunnels currently established in this tunnel group.
attemptedSessions [Attempted Sessions] (tmnxL2tpTgStatTotalSessions)	long	The value of tmnxL2tpTgStatTotalSessions indicates the number of session creation attempts in this tunnel group since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
attemptedTunnels [Attempted Tunnels] (tmnxL2tpTgStatTotalTunnels)	long	The value of tmnxL2tpTgStatTotalTunnels indicates the total number of tunnel set up attempts in this tunnel group since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
cleared [Cleared] (tmnxL2tpTgStatCleared)	long	The value of the object tmnxL2tpTgStatCleared indicates the value of sysUpTime when the tunnel group statistics were cleared. The value zero indicates that the statistics have not been cleared since the last re-initialization of the local network management subsystem.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxOctets [Control Rx Octets] (tmnxL2tpTgStatControlRxOctets)	java. math. BigInteger	The value of tmnxL2tpTgStatControlRxOctets indicates the number of control channel octets received by the current tunnels in this tunnel group.
controlRxOctetsHw [Control Rx Octets Hw] (tmnxL2tpTgStatControlRxOctetsHw)	long	The value of tmnxL2tpTgStatControlRxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTgStatControlRxOctets.
controlRxOctetsLw [Control Rx Octets Lw] (tmnxL2tpTgStatControlRxOctetsLw)	long	The value of tmnxL2tpTgStatControlRxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTgStatControlRxOctets.
controlRxPkts [Control Rx Pkts] (tmnxL2tpTgStatControlRxPkts)	long	The value of tmnxL2tpTgStatControlRxPkts indicates the accumulated number of control packets received by the current tunnels in this tunnel group.
controlTxOctets [Control Tx Octets] (tmnxL2tpTgStatControlTxOctets)	java. math. BigInteger	The value of tmnxL2tpTgStatControlTxOctets indicates the accumulated number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel group.
controlTxOctetsHw [Control Tx Octets Hw] (tmnxL2tpTgStatControlTxOctetsHw)	long	The value of tmnxL2tpTgStatControlTxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTgStatControlTxOctets.
controlTxOctetsLw [Control Tx Octets Lw] (tmnxL2tpTgStatControlTxOctetsLw)	long	The value of tmnxL2tpTgStatControlTxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTgStatControlTxOctets.
controlTxPkts [Control Tx Pkts] (tmnxL2tpTgStatControlTxPkts)	long	The value of tmnxL2tpTgStatControlTxPkts indicates the accumulated number of control packets that were transmitted to the current tunnel endpoints in this tunnel group.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorRxPkts [Error Rx Pkts] (tmnxL2tpTgStatErrorRxPkts)	long	The value of tmnxL2tpTgStatErrorRxPkts indicates the accumulated number of errored packets that were received on the current tunnels in this tunnel group.
errorTxPkts [Error Tx Pkts] (tmnxL2tpTgStatErrorTxPkts)	long	The value of tmnxL2tpTgStatErrorTxPkts indicates the accumulated number of packet transmission errors on the current tunnels in this tunnel group.
failedSessions [Failed Sessions] (tmnxL2tpTgStatFailedSessions)	long	The value of tmnxL2tpTgStatFailedSessions indicates the number of sessions in this tunnel group that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTuAuth [Failed Tu Auth] (tmnxL2tpTgStatFailedTuAuth)	long	The value of tmnxL2tpTgStatFailedTuAuth indicates the number of tunnels in this tunnel group that failed authentication since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTunnels [Failed Tunnels] (tmnxL2tpTgStatFailedTunnels)	long	The value of tmnxL2tpTgStatFailedTunnels indicates the number of tunnels in this tunnel group that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
sessionAssignMethod [Session Assign Method] (tmnxL2tpTgStatSeAssignMethod)	int	The value of the object tmnxL2tpTgStatSeAssignMethod indicates the latest actual method used for the authentication of the tunnels in this Layer Two Tunneling Protocol Tunnel Group. Note that the next tunnel that will be set up in this L2TP tunnel group may or may not use the same method, since the configuration of the RADIUS server may have changed in the meantime.
sessionLimit [Session Limit] (tmnxL2tpTgStatSessionLimit)	long	The value of tmnxL2tpTgStatSessionLimit indicates the actual session limit of this tunnel group.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
state [State] (tmnxL2tpTgStatState)	int	The value of tmnxL2tpTgStatState indicates the operational state of this Layer Two Tunneling Protocol Tunnel Group.
totalSessions [Total Sessions] (tmnxL2tpTgStatSessions)	long	The value of tmnxL2tpTgStatSessions indicates the actual number of sessions in this tunnel group.
totalTunnels [Total Tunnels] (tmnxL2tpTgStatTunnels)	long	The value of tmnxL2tpTgStatTunnels indicates the actual number of tunnels in this tunnel group.
<p>PeerProtStats MIB entry name: tmnxL2tpPeerProtStatsEntry Entry description: Each conceptual row represents protocol statistics of a specific type for a specific L2TP peer. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table. Table description (for tmnxL2tpPeerProtStatsTable): The tmnxL2tpPeerProtStatsTable contains protocol statistics information about L2TP peers. Supports realtime plotting Supports scheduled collection Monitored class: I2tp.Peer</p>		
protInstance [Prot Instance] (tmnxL2tpPeerProtStatsInstance)	long	The value of the object tmnxL2tpPeerProtStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. For example: if the value of the object tmnxL2tpPeerProtStatsType is equal to 'outgoingMsgType', the value of tmnxL2tpPeerProtStatsInstance is a message identifier, e.g. instance '2' refers to '(SCCRP) Start-Control-Connection-Reply', and the value of tmnxL2tpPeerProtStatsVal indicates the number of SCCRP messages transmitted for this tunnel. Unknown protocol messages are counted with instance zero.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protName [Prot Name] (tmnxL2tpPeerProtStatsName)	String	The value of the object tmnxL2tpPeerProtStatsName indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxL2tpPeerProtStatsName is '(SCCRP) Start-Control-Connection-Reply'.
protType [Prot Type] (tmnxL2tpPeerProtStatsType)	int	The value of the object tmnxL2tpPeerProtStatsType indicates the type of L2TP protocol statistics contained in this conceptual row.
protVal [Prot Val] (tmnxL2tpPeerProtStatsVal)	long	The value of the object tmnxL2tpPeerProtStatsVal indicates the value of the statistics contained in this conceptual row.
<p>PeerStats</p> <p>MIB entry name: tmnxL2tpPeerStatEntry</p> <p>Entry description: Each row entry represents status and statistics information about a particular L2TP peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxL2tpPeerStatTable): The tmnxL2tpPeerStatTable contains status and statistics information about L2TP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.Peer</p>		
activeSessions [Active Sessions] (tmnxL2tpPeerStatActiveSessions)	long	The value of tmnxL2tpPeerStatActiveSessions indicates the number of sessions associated with this peer that are currently established.
activeTunnels [Active Tunnels] (tmnxL2tpPeerStatActiveTunnels)	long	The value of tmnxL2tpPeerStatActiveTunnels indicates the number of tunnels associated with this peer that are currently established.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxOct [Control Rx Oct] (tmnxL2tpPeerStatControlRxOct)	java. math. BigInteger	The value of tmnxL2tpPeerStatControlRxOct indicates the number of control channel octets received in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctHw [Control Rx Oct Hw] (tmnxL2tpPeerStatControlRxOctHw)	long	The value of tmnxL2tpPeerStatControlRxOctHw indicates the higher 32-bits word of the value of tmnxL2tpPeerStatControlRxOct.
controlRxOctLw [Control Rx Oct Lw] (tmnxL2tpPeerStatControlRxOctLw)	long	The value of tmnxL2tpPeerStatControlRxOctLw indicates the lower 32-bits word of the value of tmnxL2tpPeerStatControlRxOct.
controlRxPkts [Control Rx Pkts] (tmnxL2tpPeerStatControlRxPkts)	long	The value of tmnxL2tpPeerStatControlRxPkts indicates the number of control packets received by this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOct [Control Tx Oct] (tmnxL2tpPeerStatControlTxOct)	java. math. BigInteger	The value of tmnxL2tpPeerStatControlTxOct indicates the number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctHw [Control Tx Oct Hw] (tmnxL2tpPeerStatControlTxOctHw)	long	The value of tmnxL2tpPeerStatControlTxOctHw indicates the higher 32-bits word of the value of tmnxL2tpPeerStatControlTxOct.
controlTxOctLw [Control Tx Oct Lw] (tmnxL2tpPeerStatControlTxOctLw)	long	The value of tmnxL2tpPeerStatControlTxOctLw indicates the lower 32-bits word of the value of tmnxL2tpPeerStatControlTxOct.
controlTxPkts [Control Tx Pkts] (tmnxL2tpPeerStatControlTxPkts)	long	The value of tmnxL2tpPeerStatControlTxOct indicates the number of control packets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
draining [Draining] (tmnxL2tpPeerStatDraining)	int	The value of tmnxL2tpPeerStatDraining indicates if this peer is being drained.
errorRxPkts [Error Rx Pkts] (tmnxL2tpPeerStatErrorRxPkts)	long	The value of tmnxL2tpPeerStatErrorRxPkts indicates the number of errored packets that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorTxPkts [Error Tx Pkts] (tmnxL2tpPeerStatErrorTxPkts)	long	The value of tmnxL2tpPeerStatErrorTxPkts indicates the number of packet transmission errors on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
lastCleared [Last Cleared] (tmnxL2tpPeerStatLastCleared)	long	The value of the object tmnxL2tpPeerStatLastCleared indicates the value of sysUpTime when the contents of this conceptual row were cleared for the last time. The value zero means that the contents of this conceptual row have not yet been cleared.
msgAccepted [Msg Accepted] (tmnxL2tpPeerStatMsgAccepted)	long	The value of tmnxL2tpPeerStatMsgAccepted indicates the number of Finite State Machine (FSM) messages that were accepted from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
msgDuplicateRx [Msg Duplicate Rx] (tmnxL2tpPeerStatMsgDuplicateRx)	long	The value of tmnxL2tpPeerStatMsgDuplicateRx indicates the number of Finite State Machine (FSM) duplicate messages that were received from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
msgOutOfWndwRx [Msg Out Of Wndw Rx] (tmnxL2tpPeerStatMsgOutOfWndwRx)	long	The value of tmnxL2tpPeerStatMsgOutOfWndwRx indicates the number of Finite State Machine (FSM) messages that were received out of the receive window from this peer since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 539 l2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessions [Sessions] (tmnxL2tpPeerStatSessions)	long	The value of tmnxL2tpPeerStatSessions indicates the actual number of sessions associated with this peer.
tunnels [Tunnels] (tmnxL2tpPeerStatTunnels)	long	The value of tmnxL2tpPeerStatTunnels indicates the actual number of tunnels associated with this peer.
unreachableTime [Unreachable Time] (tmnxL2tpPeerStatUnreachableTime)	long	The value of the object tmnxL2tpPeerStatUnreachableTime indicates the value of sysUpTime when the this peer was deemed unreachable for the last time. The value zero means that this peer has not been deemed unreachable yet.
SiteStats MIB entry name: tmnxL2tpStatEntry Entry description: L2TP specific information about a virtual router. Each entry represents a L2TP protocol instance. Table description (for tmnxL2tpStatTable): A table that contains L2TP configuration information about virtual routers. The system automatically creates an entry in this table for each virtual router where L2TP is supported. Only the Base router supports L2TP. Supports realtime plotting Supports scheduled collection Monitored class: l2tp.Site		
activeSessions [Active Sessions] (tmnxL2tpStatActiveSessions)	long	The value of tmnxL2tpStatActiveSessions indicates the number of sessions currently established.
activeTunnels [Active Tunnels] (tmnxL2tpStatActiveTunnels)	long	The value of tmnxL2tpStatActiveTunnels indicates the number of tunnels currently established.
attemptedSessions [Attempted Sessions] (tmnxL2tpStatTotalSessions)	long	The value of tmnxL2tpStatTotalSessions indicates the number of session creation attempts since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
attemptedTunnels [Attempted Tunnels] (tmnxL2tpStatTotalTunnels)	long	The value of tmnxL2tpStatTotalTunnels indicates the total number of tunnel set up attempts since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
cleared [Cleared] (tmnxL2tpStatCleared)	long	The value of the object tmnxL2tpStatCleared indicates the value of sysUpTime when the system statistics were cleared. The value zero indicates that the system statistics have not been cleared since the last re-initialization of the local network management subsystem.
currentBlackListLength [Current Black List Length] (tmnxL2tpStatCurrSelBlacklstLen)	long	The value of tmnxL2tpStatCurrSelBlacklstLen indicates the actual number of tunnels and peers in the tunnel-selection-blacklist.
failedSessions [Failed Sessions] (tmnxL2tpStatFailedSessions)	long	The value of tmnxL2tpStatFailedSessions indicates the number of sessions that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTuAuth [Failed Tu Auth] (tmnxL2tpStatFailedTuAuth)	long	The value of tmnxL2tpStatFailedTuAuth indicates the number of tunnels that failed authentication since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
failedTunnels [Failed Tunnels] (tmnxL2tpStatFailedTunnels)	long	The value of tmnxL2tpStatFailedTunnels indicates the number of tunnels that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the system statistics were cleared.
totalSessions [Total Sessions] (tmnxL2tpStatCurrentSessions)	long	The value of tmnxL2tpStatCurrentSessions indicates the actual number of sessions.
totalTunnels [Total Tunnels] (tmnxL2tpStatCurrentTunnels)	long	The value of tmnxL2tpStatCurrentTunnels indicates the actual number of tunnels.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableTunnelIds [Unavailable Tunnel Ids] (tmnxL2tpStatUnavailTunnelIds)	long	The value of tmnxL2tpStatUnavailTunnelIds indicates the number of tunnel identifiers that is unavailable for the L2TP protocol because they are used by some other application. An example of such an application is NAT.
<p>TunnelStatusProtStats</p> <p>MIB entry name: tmnxL2tpTuProtStatsEntry</p> <p>Entry description: Each conceptual row represents protocol statistics of a specific type. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxL2tpTuProtStatsTable): The tmnxL2tpTuProtStatsTable shows protocol statistics information of Layer Two Tunneling Protocol Tunnels.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2tp.TunnelStatus</p>		
protInstance [Prot Instance] (tmnxL2tpTuProtStatsInstance)	long	The value of the object tmnxL2tpTuProtStatsType indicates the instance identifier of the statistics contained in this conceptual row. For example: if the value of the object tmnxL2tpTuProtStatsType is equal to 'outgoingMsgType', the value of tmnxL2tpTuProtStatsInstance is a message identifier, e.g. instance '2' refers to '(SCCRP) Start-Control-Connection-Reply', and the value of tmnxL2tpTuProtStatsVal indicates the number of SCCRP messages transmitted for this tunnel. Unknown protocol messages are counted with instance zero.
protName [Prot Name] (tmnxL2tpTuProtStatsName)	String	The value of the object tmnxL2tpTuProtStatsType indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxL2tpTuProtStatsName is '(SCCRP) Start-Control-Connection-Reply'.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protType [Prot Type] (tmnxL2tpTuProtStatsType)	int	The value of the object tmnxL2tpTuProtStatsType indicates the type of L2TP protocol statistics contained in this conceptual row.
protVal [Prot Val] (tmnxL2tpTuProtStatsVal)	long	The value of the object tmnxL2tpTuProtStatsType indicates the value of the statistics contained in this conceptual row.
TunnelStatusStats MIB entry name: tmnxL2tpTuStatsEntry Entry description: Each conceptual row represents statistics information of a Layer Two Tunneling Protocol Tunnel. Entries in this table are created and destroyed by the system. Table description (for tmnxL2tpTuStatsTable): The tmnxL2tpTuStatsTable has an entry for each Layer Two Tunneling Protocol Tunnel. Supports realtime plotting Supports scheduled collection Monitored class: I2tp.TunnelStatus		
activeSessions [Active Sessions] (tmnxL2tpTuStatsActiveSessions)	long	The value of tmnxL2tpTuStatsActiveSessions indicates the number of sessions currently established in this tunnel.
attemptedSessions [Attempted Sessions] (tmnxL2tpTuStatsTotalSessions)	long	The value of tmnxL2tpTuStatsTotalSessions indicates the number of session creation attempts in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctets [Control Rx Octets] (tmnxL2tpTuStatsControlRxOctets)	java. math. BigInteger	The value of tmnxL2tpTuStatsControlRxOctets indicates the number of control channel octets received in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlRxOctetsHw [Control Rx Octets Hw] (tmnxL2tpTuStatsControlRxOctetsHw)	long	The value of tmnxL2tpTuStatsControlRxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTuStatsControlRxOctets.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
controlRxOctetsLw [Control Rx Octets Lw] (tmnxL2tpTuStatsControlRxOctetsLw)	long	The value of tmnxL2tpTuStatsControlRxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTuStatsControlRxOctets.
controlRxPkts [Control Rx Pkts] (tmnxL2tpTuStatsControlRxPkts)	long	The value of tmnxL2tpTuStatsControlRxPkts indicates the number of control packets received by this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctets [Control Tx Octets] (tmnxL2tpTuStatsControlTxOctets)	java. math. BigInteger	The value of tmnxL2tpTuStatsControlTxOctets indicates the number of control channel octets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
controlTxOctetsHw [Control Tx Octets Hw] (tmnxL2tpTuStatsControlTxOctetsHw)	long	The value of tmnxL2tpTuStatsControlTxOctetsHw indicates the higher 32-bits word of the value of tmnxL2tpTuStatsControlTxOctets.
controlTxOctetsLw [Control Tx Octets Lw] (tmnxL2tpTuStatsControlTxOctetsLw)	long	The value of tmnxL2tpTuStatsControlTxOctetsLw indicates the lower 32-bits word of the value of tmnxL2tpTuStatsControlTxOctets.
controlTxPkts [Control Tx Pkts] (tmnxL2tpTuStatsControlTxPkts)	long	The value of tmnxL2tpTuStatsControlTxPkts indicates the number of control packets that were transmitted to the current tunnel endpoints in this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
errorRxPkts [Error Rx Pkts] (tmnxL2tpTuStatsErrorRxPkts)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the number of errored packets that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
errorTxPkts [Error Tx Pkts] (tmnxL2tpTuStatsErrorTxPkts)	long	The value of tmnxL2tpTuStatsErrorTxPkts indicates the number of packet transmission errors on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
failedSessions [Failed Sessions] (tmnxL2tpTuStatsFailedSessions)	long	The value of tmnxL2tpTuStatsFailedSessions indicates the number of sessions in this tunnel that failed to reach the established state since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgAccepted [Fsm Msg Accepted] (tmnxL2tpTuStatsFsmMsgAccepted)	long	The value of tmnxL2tpTuStatsFsmMsgAccepted indicates the number of Finite State Machine (FSM) messages that were accepted on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgDuplicateRx [Fsm Msg Duplicate Rx] (tmnxL2tpTuStatsFsmMsgDuplicateRx)	long	The value of tmnxL2tpTuStatsFsmMsgDuplicateRx indicates the number of Finite State Machine (FSM) duplicate messages that were received on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
fsmMsgOutOfWdwRx [Fsm Msg Out Of Wdw Rx] (tmnxL2tpTuStatsFsmMsgOutOfWdwRx)	long	The value of tmnxL2tpTuStatsFsmMsgOutOfWdwRx indicates the number of Finite State Machine (FSM) messages that were received out of the receive window on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
lastCleared [Last Cleared] (tmnxL2tpTuStatsLastCleared)	long	The value of the object tmnxL2tpTuStatsLastCleared indicates the value of sysUpTime when the contents of this conceptual row were cleared for the last time. The value zero means that the contents of this conceptual row have not yet been cleared.
qLengthAckCur [QLength Ack Cur] (tmnxL2tpTuStatsQLengthAckCur)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the the current length of the acknowledged message queue on this tunnel.

Table 539 I2tp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qLengthAckMax [QLength Ack Max] (tmnxL2tpTuStatsQLengthAckMax)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the the maximum length of the acknowledged message queue on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
qLengthUnsentCur [QLength Unsent Cur] (tmnxL2tpTuStatsQLengthUnsentCur)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the the current length of the unsent message queue on this tunnel.
qLengthUnsentMax [QLength Unsent Max] (tmnxL2tpTuStatsQLengthUnsentMax)	long	The value of tmnxL2tpTuStatsQLengthUnsentMax indicates the the maximum length of the unsent message queue on this tunnel since the last re-initialization of the local network management subsystem, or the last time the tunnel statistics were cleared.
totalSessions [Total Sessions] (tmnxL2tpTuStatsSessions)	long	The value of tmnxL2tpTuStatsSessions indicates the actual number of sessions in this tunnel.
windowSizeCur [Window Size Cur] (tmnxL2tpTuStatsWindowSizeCur)	long	The value of tmnxL2tpTuStatsErrorRxPkts indicates the the current size of the receive window on this tunnel.

Table 540 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 540 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 540 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 540 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 540 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 541 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ldp.AccountingFecPrefix</p>		

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStatsExtension</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
p2mpFecReceived [P2 mp Fec Received] (vRtrLdpStatsP2MPFECRecv)	long	The value of vRtrLdpStatsP2MPFECRecv specifies the number of P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vRtrLdpStatsP2MPFECSent)	long	The value of vRtrLdpStatsP2MPFECSent specifies the number of P2MP FECs sent by the LDP instance to its neighbors.

Table 541 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 542 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 542 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 542 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 542 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 543 Ite statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GxCauseCodeStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.GxPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
peerIpAddress [Peer Ip Address] (tmnxMobPdnGxPeerAddress)	String	The value of tmnxMobPdnGxPeerAddress indicates the IP address of the peer on Gx reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnGxPeerAddressType)	int	The value of tmnxMobPdnGxPeerAddressType indicates the type of address represented by tmnxMobPdnGxPeerAddress.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTcpPort [Peer Tcp Port] (tmnxMobPdnGxPeerPort)	int	The value of tmnxMobPdnGxPeerPort indicates the port number of this peer.
rxCcaAuthorReject [Rx Cca Author Reject] (tmnxMobPdnGxCcRxCcaAuthorReject)	long	The value of tmnxMobPdnGxCcRxCcaAuthorReject indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).
rxCcaAvpNotAllowed [Rx Cca Avp Not Allowed] (tmnxMobPdnGxCcRxCcaAvpNotAllowed)	long	The value of tmnxMobPdnGxCcRxCcaAvpNotAllowed indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
rxCcaAvpUnsupport [Rx Cca Avp Unsupport] (tmnxMobPdnGxCcRxCcaAvpUnsupport)	long	The value of tmnxMobPdnGxCcRxCcaAvpUnsupport indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
rxCcaBearerNotAuth [Rx Cca Bearer Not Auth] (tmnxMobPdnGxCcRxCcaBearerNotAuth)	long	The value of tmnxMobPdnGxCcRxCcaBearerNotAuth indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_BEARER_NOT_AUTHORIZED (5143).
rxCcaConflictReq [Rx Cca Conflict Req] (tmnxMobPdnGxCcRxCcaConflictReq)	long	The value of tmnxMobPdnGxCcRxCcaConflictReq indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_CONFLICTING_REQUEST (5147).
rxCcaInitialParams [Rx Cca Initial Params] (tmnxMobPdnGxCcRxCcaInitialParams)	long	The value of tmnxMobPdnGxCcRxCcaInitialParams indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_INITIAL_PARAMETER (5140).
rxCcaInvalidAvpVal [Rx Cca Invalid Avp Val] (tmnxMobPdnGxCcRxCcaInvalidAvpVal)	long	The value of tmnxMobPdnGxCcRxCcaInvalidAvpVal indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCcaMissingAvp [Rx Cca Missing Avp] (tmnxMobPdnGxCcRxCcaMissingAvp)	long	The value of tmnxMobPdnGxCcRxCcaMissingAvp indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).
rxCcaOther3XXX [Rx Cca Other 3 XXX] (tmnxMobPdnGxCcRxCcaOther3XXX)	long	The value of tmnxMobPdnGxCcRxCcaOther3XXX indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to other protocol errors.
rxCcaOther4XXX [Rx Cca Other 4 XXX] (tmnxMobPdnGxCcRxCcaOther4XXX)	long	The value of tmnxMobPdnGxCcRxCcaOther4XXX indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to other transient failures.
rxCcaOther5XXX [Rx Cca Other 5 XXX] (tmnxMobPdnGxCcRxCcaOther5XXX)	long	The value of tmnxMobPdnGxCcRxCcaOther5XXX indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to other permanent failures.
rxCcaPccBearEvent [Rx Cca Pcc Bear Event] (tmnxMobPdnGxCcRxCcaPccBearEvent)	long	The value of tmnxMobPdnGxCcRxCcaPccBearEvent indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_PCC_BEARER_EVENT (4141).
rxCcaPccRuleEvent [Rx Cca Pcc Rule Event] (tmnxMobPdnGxCcRxCcaPccRuleEvent)	long	The value of tmnxMobPdnGxCcRxCcaPccRuleEvent indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_PCC_RULE_EVENT (5142).
rxCcaResourceExced [Rx Cca Resource Exced] (tmnxMobPdnGxCcRxCcaResourceExced)	long	The value of tmnxMobPdnGxCcRxCcaResourceExced indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCcaSessRecovReq [Rx Cca Sess Recov Req] (tmnxMobPdnGxCcRxCcaSessRecovReq)	long	The value of tmnxMobPdnGxCcRxCcaSessRecovReq indicates the number of the Credit Control Answer (CCA) messages received on this peer with the experimental cause code set to DIAMETER_SESSION_RECOVERY_REQUESTED (4197).
rxCcaTooBusy [Rx Cca Too Busy] (tmnxMobPdnGxCcRxCcaTooBusy)	long	The value of tmnxMobPdnGxCcRxCcaTooBusy indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).
rxCcaTrafficMapRej [Rx Cca Traffic Map Rej] (tmnxMobPdnGxCcRxCcaTrafficMapRej)	long	The value of tmnxMobPdnGxCcRxCcaTrafficMapRej indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTED (5144).
rxCcaTriggerEvent [Rx Cca Trigger Event] (tmnxMobPdnGxCcRxCcaTriggerEvent)	long	The value of tmnxMobPdnGxCcRxCcaTriggerEvent indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_TRIGGER_EVENT (5141).
rxCcaUnableToDeliv [Rx Cca Unable To Deliv] (tmnxMobPdnGxCcRxCcaUnableToDeliv)	long	The value of tmnxMobPdnGxCcRxCcaUnableToDeliv indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
rxCcaUnknownSessId [Rx Cca Unknown Sess Id] (tmnxMobPdnGxCcRxCcaUnknownSessId)	long	The value of tmnxMobPdnGxCcRxCcaUnknownSessId indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
rxNewerSessDetect [Rx Newer Sess Detect] (tmnxMobPdnGxCcRxNewerSessDetect)	long	The value of tmnxMobPdnGxCcRxNewerSessDetect indicates the number of the Credit Control Answer (CCA) messages received on this peer with the experimental cause code set to DIAMETER_NEWER_SESSION_DETECTED (5199).

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxOIRtryNotAllow [Rx OI Rtry Not Allow] (tmnxMobPdnGxCcRxOIRtryNotAllow)	long	The value of tmnxMobPdnGxCcRxOIRtryNotAllow indicates the number of Credit Control Answer (CCA) messages received on this peer with the experimental cause code set to DIAMETER_OVERLOAD_RETRY_NOT_ALLOWED_TO_ANY (5198).
txDiaAnGwFailed [Tx Dia An Gw Failed] (tmnxMobPdnGxCcTxDiaAnGwFailed)	long	The value of tmnxMobPdnGxCcTxDiaAnGwFailed indicates the number of Re-Auth-Answer (RAA) messages sent on this peer with the experimental cause code set to DIAMETER_AN_GW_FAILED (4143) due to failure to install/modify policy decisions due to SGW Restoration.
txRcaAvpNotAllowed [Tx Rca Avp Not Allowed] (tmnxMobPdnGxCcTxRcaAvpNotAllowed)	long	The value of tmnxMobPdnGxCcTxRcaAvpNotAllowed indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
txRcaAvpUnsupport [Tx Rca Avp Unsupport] (tmnxMobPdnGxCcTxRcaAvpUnsupport)	long	The value of tmnxMobPdnGxCcTxRcaAvpUnsupport indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
txRcaPccRuleEvent [Tx Rca Pcc Rule Event] (tmnxMobPdnGxCcTxRcaPccRuleEvent)	long	The value of tmnxMobPdnGxCcTxRcaPccRuleEvent indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_PCC_RULE_EVENT (5142).
txRcaUnableToCompl [Tx Rca Unable To Compl] (tmnxMobPdnGxCcTxRcaUnableToCompl)	long	The value of tmnxMobPdnGxCcTxRcaUnableToCompl indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
txRcaUnknownSessId [Tx Rca Unknown Sess Id] (tmnxMobPdnGxCcTxRcaUnknownSessId)	long	The value of tmnxMobPdnGxCcTxRcaUnknownSessId indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txSdaAvpManyTimes [Tx Sda Avp Many Times] (tmnxMobPdnGxCcTxSdaAvpManyTimes)	long	The value of tmnxMobPdnGxCcTxSdaAvpManyTimes indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_AVP_OCCURS_TOO_MANY_TIMES (5009).
txSdaAvpNotAllowed [Tx Sda Avp Not Allowed] (tmnxMobPdnGxCcTxSdaAvpNotAllowed)	long	The value of tmnxMobPdnGxCcTxSdaAvpNotAllowed indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
txSdaAvpUnsuported [Tx Sda Avp Unsuported] (tmnxMobPdnGxCcTxSdaAvpUnsuported)	long	The value of tmnxMobPdnGxCcTxSdaAvpUnsuported indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
txSdaInvalidAvpVal [Tx Sda Invalid Avp Val] (tmnxMobPdnGxCcTxSdaInvalidAvpVal)	long	The value of tmnxMobPdnGxCcTxSdaInvalidAvpVal indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
txSdaMissingAvp [Tx Sda Missing Avp] (tmnxMobPdnGxCcTxSdaMissingAvp)	long	The value of tmnxMobPdnGxCcTxSdaMissingAvp indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_MISSING_AVP (5005).
txSdaSessNotFound [Tx Sda Sess Not Found] (tmnxMobPdnGxCcTxSdaSessNotFound)	long	The value of tmnxMobPdnGxCcTxSdaSessNotFound indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_REQUESTED_SESSION_NOT_FOUND (4196).
txSdaUnableToCompl [Tx Sda Unable To Compl] (tmnxMobPdnGxCcTxSdaUnableToCompl)	long	The value of tmnxMobPdnGxCcTxSdaUnableToCompl indicates the number of the Session Discovery Answer (SDA) messages transmitted from this peer with the experimental cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txStrAdmin [Tx Str Admin] (tmnxMobPdnGxCcTxStrAdmin)	long	The value of tmnxMobPdnGxCcTxStrAdmin indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_ADMINISTRATIVE (4).
txStrBadAnswer [Tx Str Bad Answer] (tmnxMobPdnGxCcTxStrBadAnswer)	long	The value of tmnxMobPdnGxCcTxStrBadAnswer indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_BAD_ANSWER (3).
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>GxPeerStats</p> <p>MIB entry name: tmnxMobPdnGxStatEntry</p> <p>Entry description: Each row entry represents a peer on the Gx reference point and contain statistics for this peer on a card.</p> <p>Table description (for tmnxMobPdnGxStatTable): The tmnxMobPdnGxStatTable has an entry for each peer on the Gx reference point served by a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.GxPeer</p>		
activeSessions [Active Sessions] (tmnxMobPdnGxStatActiveSessions)	long	The value of tmnxMobPdnGxStatActiveSessions indicates the number of active Gx sessions on this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bearerBindingAndEventReportingFunctionTransmitted [Bearer Binding And Event Reporting Function Transmitted] (tmnxMobPdnGxStatBberfs)	long	The value of tmnxMobPdnGxStatBberfs indicates the number of Bearer Binding and Event Reporting Function (BBERF) procedures transmitted by this peer.
capabilitiesExchangeAnswersReceived [Capabilities Exchange Answers Received] (tmnxMobPdnGxStatRxCea)	long	The value of tmnxMobPdnGxStatRxCea indicates the number of Capabilities Exchange Answer (CEA) messages received from this peer.
capabilitiesExchangeRequestsTransmitted [Capabilities Exchange Requests Transmitted] (tmnxMobPdnGxStatTxCer)	long	The value of tmnxMobPdnGxStatTxCer indicates the number of Capabilities Exchange Request (CER) messages transmitted to this peer.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
ccrIPendTranReTx [Ccr IPend Tran Re Tx] (tmnxMobPdnGxStatCcrIPendTranReTx)	long	The value of tmnxMobPdnGxStatCcrIPendTranReTx indicates the number of the retires for the pending transactions of Credit Control Request (CCR) Initial messages to this peer.
ccrUPendTranReTx [Ccr UPend Tran Re Tx] (tmnxMobPdnGxStatCcrUPendTranReTx)	long	The value of tmnxMobPdnGxStatCcrUPendTranReTx indicates the number of the retires for the pending transactions of Credit Control Request (CCR) Update messages to this peer.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connectionAttempts [Connection Attempts] (tmnxMobPdnGxStatConnAttempts)	long	The value of tmnxMobPdnGxStatConnAttempts indicates the number of connections attempted to this peer.
connectionFailures [Connection Failures] (tmnxMobPdnGxStatConnFailures)	long	The value of tmnxMobPdnGxStatConnFailures indicates the number of failed connections with this peer.
creditControlAnswerInitial- MalformedPacketsReceived [Credit Control Answer Initial Malformed Packets Received] (tmnxMobPdnGxStatRxCcalMalformPkt)	long	The value of tmnxMobPdnGxStatRxCcalMalformPkt indicates the number of Credit Control Answer (CCA) Initial malformed packets received from this peer.
creditControlAnswerInitialM- issingMandatoryInformation- ElementPacketsReceived [Credit Control Answer Initial Missing Mandatory Information Element Packets Received] (tmnxMobPdnGxStatRxCcalMisslePkts)	long	The value of tmnxMobPdnGxStatRxCcalMisslePkts indicates the number of Credit Control Answer (CCA) Initial missing mandatory Information Element (IE) packets received from this peer.
creditControlAnswerInitialMs- gFailuresReceived [Credit Control Answer Initial Msg Failures Received] (tmnxMobPdnGxStatRxCcalInitialFail)	long	The value of tmnxMobPdnGxStatRxCcalInitialFail indicates the number of Credit Control Answer (CCA) Initial message failures received from this peer.
creditControlAnswerInitialUn- knownPacketsReceived [Credit Control Answer Initial Unknown Packets Received] (tmnxMobPdnGxStatRxCcalUnknownPkt)	long	The value of tmnxMobPdnGxStatRxCcalUnknownPkt indicates the number of Credit Control Answer (CCA) Initial unknown packets received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlAnswerInitialUnknownSessionPacketsReceived [Credit Control Answer Initial Unknown Session Packets Received] (tmnxMobPdnGxStatRxCcaUnkSession)	long	The value of tmnxMobPdnGxStatRxCcaUnkSession indicates the number of Credit Control Answer (CCA) Initial unknown session packets received from this peer.
creditControlAnswerRedirectRequestReceived [Credit Control Answer Redirect Request Received] (tmnxMobPdnGxStatCcaRedirectRx)	long	The value of tmnxMobPdnGxStatCcaRedirectRx indicates the number of Credit Control Answer (CCA) messages received that request redirection.
creditControlAnswerTerminationMalformedPacketsReceived [Credit Control Answer Termination Malformed Packets Received] (tmnxMobPdnGxStatRxCcaTMalformPkt)	long	The value of tmnxMobPdnGxStatRxCcaTMalformPkt indicates the number of Credit Control Answer (CCA) Termination malformed packets received from this peer.
creditControlAnswerTerminationMissingMandatoryInformationElementPacketsReceived [Credit Control Answer Termination Missing Mandatory Information Element Packets Received] (tmnxMobPdnGxStatRxCcaTMisslePkts)	long	The value of tmnxMobPdnGxStatRxCcaTMisslePkts indicates the number of Credit Control Answer (CCA) Termination missing mandatory Information Element (IE) packets received from this peer.
creditControlAnswerTerminationMsgFailuresReceived [Credit Control Answer Termination Msg Failures Received] (tmnxMobPdnGxStatRxCcaTermFail)	long	The value of tmnxMobPdnGxStatRxCcaTermFail indicates the number of Credit Control Answer (CCA) Termination message failures received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlAnswerTerminationUnknownPacketsReceived [Credit Control Answer Termination Unknown Packets Received] (tmnxMobPdnGxStatRxCcaTUnknownPkt)	long	The value of tmnxMobPdnGxStatRxCcaTUnknownPkt indicates the number of Credit Control Answer (CCA) Termination unknown packets received from this peer.
creditControlAnswerTerminationUnknownSessionPacketsReceived [Credit Control Answer Termination Unknown Session Packets Received] (tmnxMobPdnGxStatRxCcaTUnkSession)	long	The value of tmnxMobPdnGxStatRxCcaTUnkSession indicates the number of Credit Control Answer (CCA) Termination unknown session packets received from this peer.
creditControlAnswerUpdateMalformedPacketsReceived [Credit Control Answer Update Malformed Packets Received] (tmnxMobPdnGxStatRxCcaUMalformPkt)	long	The value of tmnxMobPdnGxStatRxCcaUMalformPkt indicates the number of Credit Control Answer (CCA) Update malformed packets received from this peer.
creditControlAnswerUpdateMissingMandatoryInformationElementPacketsReceived [Credit Control Answer Update Missing Mandatory Information Element Packets Received] (tmnxMobPdnGxStatRxCcaUMisslePkts)	long	The value of tmnxMobPdnGxStatRxCcaUMisslePkts indicates the number of Credit Control Answer (CCA) Update missing mandatory Information Element (IE) packets received from this peer.
creditControlAnswerUpdateMsgFailuresReceived [Credit Control Answer Update Msg Failures Received] (tmnxMobPdnGxStatRxCcaUpdateFail)	long	The value of tmnxMobPdnGxStatRxCcaUpdateFail indicates the number of Credit Control Answer (CCA) Update message failures received from this peer.

Table 543 Ite statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlAnswerUpdateUnknownPacketsReceived [Credit Control Answer Update Unknown Packets Received] (tmnxMobPdnGxStatRxCcaUUnknownPkt)	long	The value of tmnxMobPdnGxStatRxCcaUUnknownPkt indicates the number of Credit Control Answer (CCA) Update unknown packets received from this peer.
creditControlAnswerUpdateUnknownSessionPacketsReceived [Credit Control Answer Update Unknown Session Packets Received] (tmnxMobPdnGxStatRxCcaUUnkSession)	long	The value of tmnxMobPdnGxStatRxCcaUUnkSession indicates the number of Credit Control Answer (CCA) Update unknown session packets received from this peer.
creditControlAnswerWithUnknownRedirectHostReceived [Credit Control Answer With Unknown Redirect Host Received] (tmnxMobPdnGxStatCcaUnkRedHstRx)	long	The value of tmnxMobPdnGxStatCcaUnkRedHstRx indicates the number of Credit Control Answer (CCA) messages received that include one or more redirect hosts that does not match any of the configured associated redirect-hosts to the diameter-peer on the gateway.
creditControlRequestFailedToBeResentAfterRedirectReceived [Credit Control Request Failed To Be Resent After Redirect Received] (tmnxMobPdnGxStatCcrRedirectFITx)	long	The value of tmnxMobPdnGxStatCcrRedirectFITx indicates the number of Credit Control Request (CCR) messages that failed to be re-sent after receiving a redirection request.
creditControlRequestInitialAnswersReceived [Credit Control Request Initial Answers Received] (tmnxMobPdnGxStatRxCcaInitial)	long	The value of tmnxMobPdnGxStatRxCcaInitial indicates the number of Credit Control Answer (CCA) Initial messages received from this peer.
creditControlRequestInitialFailuresReceived [Credit Control Request Initial Failures Received] (tmnxMobPdnGxStatCcrInitFails)	long	The value of tmnxMobPdnGxStatCcrInitFails indicates the number of Credit Control Request (CCR) Initial message failures.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlRequestInitialMsgsRetransmitted [Credit Control Request Initial Msgs Retransmitted] (tmnxMobPdnGxStatReTxCcrInitial)	long	The value of tmnxMobPdnGxStatReTxCcrInitial indicates the number of Credit Control Request (CCR) Initial messages re-transmitted to this peer.
creditControlRequestInitialRequestsTransmitted [Credit Control Request Initial Requests Transmitted] (tmnxMobPdnGxStatTxCcrInitial)	long	The value of tmnxMobPdnGxStatTxCcrInitial indicates the number of Credit Control Request (CCR) Initial messages transmitted to this peer.
creditControlRequestRetransmittedAfterRedirectReceived [Credit Control Request Retransmitted After Redirect Received] (tmnxMobPdnGxStatCcrRedirectTx)	long	The value of tmnxMobPdnGxStatCcrRedirectTx indicates the number of Credit Control Request (CCR) messages re-transmitted after receiving a redirection request.
creditControlRequestTerminationFailuresReceived [Credit Control Request Termination Failures Received] (tmnxMobPdnGxStatCcrTermFails)	long	The value of tmnxMobPdnGxStatCcrTermFails indicates the number of Credit Control Request (CCR) Termination message failures.
creditControlRequestTerminationMsgsRetransmitted [Credit Control Request Termination Msgs Retransmitted] (tmnxMobPdnGxStatReTxCcrTerm)	long	The value of tmnxMobPdnGxStatReTxCcrTerm indicates the number of Credit Control Request (CCR) Termination messages re-transmitted to this peer.
creditControlRequestTerminationRequestsReceived [Credit Control Request Termination Requests Received] (tmnxMobPdnGxStatRxCcaTerminate)	long	The value of tmnxMobPdnGxStatRxCcaTerminate indicates the number of Credit Control Answer (CCA) Termination messages received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlRequestTerminationRequestsTransmitted [Credit Control Request Termination Requests Transmitted] (tmnxMobPdnGxStatTxCCRterminate)	long	The value of tmnxMobPdnGxStatTxCCRterminate indicates the number of Credit Control Request (CCR) Termination messages transmitted to this peer.
creditControlRequestUpdateAnswersReceived [Credit Control Request Update Answers Received] (tmnxMobPdnGxStatRxCcaUpdate)	long	The value of tmnxMobPdnGxStatRxCcaUpdate indicates the number of Credit Control Answer (CCA) Update messages received from this peer.
creditControlRequestUpdateFailuresReceived [Credit Control Request Update Failures Received] (tmnxMobPdnGxStatCCRupdateFails)	long	The value of tmnxMobPdnGxStatCCRupdateFails indicates the number of Credit Control Request (CCR) Update message failures.
creditControlRequestUpdateMsgsRetransmitted [Credit Control Request Update Msgs Retransmitted] (tmnxMobPdnGxStatReTxCCRupdate)	long	The value of tmnxMobPdnGxStatReTxCCRupdate indicates the number of Credit Control Request (CCR) Update messages re-transmitted to this peer.
creditControlRequestUpdateRequestsTransmitted [Credit Control Request Update Requests Transmitted] (tmnxMobPdnGxStatTxCCRupdate)	long	The value of tmnxMobPdnGxStatTxCCRupdate indicates the number of Credit Control Request (CCR) Update messages transmitted to this peer.
deviceWatchdogAnswerMsgsTransmittedToThisPeer [Device Watchdog Answer Msgs Transmitted To This Peer] (tmnxMobPdnGxStatTxDwa)	long	The value of tmnxMobPdnGxStatTxDwa indicates the number of Device Watchdog Answer (DWA) messages transmitted to this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deviceWatchdogAnswersReceived [Device Watchdog Answers Received] (tmnxMobPdnGxStatRxDwa)	long	The value of tmnxMobPdnGxStatRxDwa indicates the number of Device Watchdog Answer (DWA) messages received from this peer.
deviceWatchdogRequestMsgsRe- ceivedFromThisPeer [Device Watchdog Request Msgs Received From This Peer] (tmnxMobPdnGxStatRxDwr)	long	The value of tmnxMobPdnGxStatRxDwr indicates the number of Device Watchdog Request (DWR) messages received from this peer.
deviceWatchdogRequestsTransmitted [Device Watchdog Requests Transmitted] (tmnxMobPdnGxStatTxDwr)	long	The value of tmnxMobPdnGxStatTxDwr indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.
disconnectPeerAnswerMsgsRe- ceivedFromThisPeer [Disconnect Peer Answer Msgs Received From This Peer] (tmnxMobPdnGxStatRxDpa)	long	The value of tmnxMobPdnGxStatRxDpa indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.
disconnectPeerAnswersTransmitted [Disconnect Peer Answers Transmitted] (tmnxMobPdnGxStatTxDpa)	long	The value of tmnxMobPdnGxStatTxDpa indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
disconnectPeerRequestMsg- sTransmittedToThisPeer [Disconnect Peer Request Msgs Transmitted To This Peer] (tmnxMobPdnGxStatTxDpr)	long	The value of tmnxMobPdnGxStatTxDpr indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
disconnectPeerRequestsReceived [Disconnect Peer Requests Received] (tmnxMobPdnGxStatRxDpr)	long	The value of tmnxMobPdnGxStatRxDpr indicates the number of Disconnect Peer Request (DPR) messages received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
invalidCapabilitiesExchangeAnswersReceived [Invalid Capabilities Exchange Answers Received] (tmnxMobPdnGxStatRxInvalidCea)	long	The value of tmnxMobPdnGxStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
invalidPrimaryOCSAddressesReceived [Invalid Primary OCSAddresses Received] (tmnxMobPdnGxStatInvPriOcsAddrRx)	long	The Value of tmnxMobPdnGxStatInvPriOcsAddrRx indicates the number of invalid primary Online Charging System (OCS) addresses received.
invalidSecondaryOCSAddressesReceived [Invalid Secondary OCSAddresses Received] (tmnxMobPdnGxStatInvSecOcsAddrRx)	long	The Value of tmnxMobPdnGxStatInvSecOcsAddrRx indicates the number of invalid secondary Online Charging System (OCS) addresses received.
numCCRIMsgDroppedCurrCongestion [Num CCRIMsg Dropped Curr Congestion] (tmnxMobPdnGxStatCurrCgCcrIMsg)	long	The value of tmnxMobPdnGxStatCurrCgCcrIMsg indicates the number of Credit Control Request (CCR) Initial messages to this peer dropped during the current congestion.
numCCRIMsgDroppedPrevCongestion [Num CCRIMsg Dropped Prev Congestion] (tmnxMobPdnGxStatPrevCgCcrIMsg)	long	The value of tmnxMobPdnGxStatPrevCgCcrIMsg indicates the number of Credit Control Request (CCR) Initial messages to this peer dropped during the prior congestion.
numCCRTMsgDroppedCurrCongestion [Num CCRTMsg Dropped Curr Congestion] (tmnxMobPdnGxStatCurrCgCcrTMsg)	long	The value of tmnxMobPdnGxStatCurrCgCcrTMsg indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the current congestion.
numCCRTMsgDroppedPrevCongestion [Num CCRTMsg Dropped Prev Congestion] (tmnxMobPdnGxStatPrevCgCcrTMsg)	long	The value of tmnxMobPdnGxStatPrevCgCcrTMsg indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the prior congestion.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCCRUMsgDroppedCurrCongestion [Num CCRUMsg Dropped Curr Congestion] (tmnxMobPdnGxStatCurrCgCcrUMsg)	long	The value of tmnxMobPdnGxStatCurrCgCcrUMsg indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the current congestion.
numCCRUMsgDroppedPrevCongestion [Num CCRUMsg Dropped Prev Congestion] (tmnxMobPdnGxStatPrevCgCcrUMsg)	long	The value of tmnxMobPdnGxStatPrevCgCcrUMsg indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the prior congestion.
numPendingMsgCurrCongestion [Num Pending Msg Curr Congestion] (tmnxMobPdnGxStatCurrCgPendMsg)	long	The value of tmnxMobPdnGxStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.
numRAAMsgDroppedCurrCongestion [Num RAAMsg Dropped Curr Congestion] (tmnxMobPdnGxStatCurrCgRaaMsg)	long	The value of tmnxMobPdnGxStatCurrCgRaaMsg indicates the number of Re-Auth Answer (RAA) messages to this peer dropped during the current congestion.
numRAAMsgDroppedPrevCongestion [Num RAAMsg Dropped Prev Congestion] (tmnxMobPdnGxStatPrevCgRaaMsg)	long	The value of tmnxMobPdnGxStatPrevCgRaaMsg indicates the number of Re-Auth Answer (RAA) messages to this peer dropped during the prior congestion.
numSDAsDroppedCurrCongestion [Num SDAs Dropped Curr Congestion] (tmnxMobPdnGxStatCurrCgSdaMsg)	long	The value of tmnxMobPdnGxStatCurrCgSdaMsg indicates the number of Session Discovery Answer (SDA) messages to this peer dropped during the current congestion.
numSDAsDroppedPrevCongestion [Num SDAs Dropped Prev Congestion] (tmnxMobPdnGxStatPrevCgSdaMsg)	long	The value of tmnxMobPdnGxStatPrevCgSdaMsg indicates the number of Session Discovery Answer (SDA) messages to this peer dropped during the prior congestion.
numSessionDiscCcrUpdAnGwFail [Num Session Disc Ccr Upd An Gw Fail] (tmnxMobPdnGxStatCcrUpdAnGwFail)	long	The value of tmnxMobPdnGxStatCcrUpdAnGwFail indicates the number of Credit Control Request (CCR) update messages sent (AN_GW_FAILED) due to Serving Gateway (SGW) restoration.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numSessionDiscMalformPktsRx [Num Session Disc Malform Pkts Rx] (tmnxMobPdnGxStatSdrMalformPktsRx)	long	The value of tmnxMobPdnGxStatSdrMalformPktsRx indicates the number of Session Discovery Request (SDR) malformed packets received from this peer.
numSessionDiscMissAvpPktsRx [Num Session Disc Miss Avp Pkts Rx] (tmnxMobPdnGxStatSdrMissAvpPktsRx)	long	The value of tmnxMobPdnGxStatSdrMissAvpPktsRx indicates the number of Session Discovery Request (SDR) packets with missing Attribute-Value Pair (AVP) received from this peer.
numSessionDiscMsgTx [Num Session Disc Msg Tx] (tmnxMobPdnGxStatSdaMessagesTx)	long	The value of tmnxMobPdnGxStatSdaMessagesTx indicates the number of Session Discovery Answer (SDA) messages transmitted to this peer.
numSessionDiscMsgTxFail [Num Session Disc Msg Tx Fail] (tmnxMobPdnGxStatSdaMessageTxFail)	long	The value of tmnxMobPdnGxStatSdaMessageTxFail indicates the number of Session Discovery Answer (SDA) messages failed to be transmitted to this peer.
numSessionDiscRaaAnGwFail [Num Session Disc Raa An Gw Fail] (tmnxMobPdnGxStatRaaAnGwFail)	long	The value of tmnxMobPdnGxStatRaaAnGwFail indicates the number of Re-Auth Answer (RAA) messages sent (AN_GW_FAILED) due to Serving Gateway (SGW) restoration.
numSessionDiscRaaDiaAnGwFail [Num Session Disc Raa Dia An Gw Fail] (tmnxMobPdnGxStatRaaDiaAnGwFail)	long	The value of tmnxMobPdnGxStatRaaDiaAnGwFail indicates the number of Re-Auth Answer (RAA) messages sent (DIAMETER_AN_GW_FAILED) due to Serving Gateway (SGW) restoration.
numSessionDiscReqMsgRx [Num Session Disc Req Msg Rx] (tmnxMobPdnGxStatSdrMessagesRx)	long	The value of tmnxMobPdnGxStatSdrMessagesRx indicates the number of Session Discovery Request (SDR) messages received from this peer.
numSessionDiscUnkSessPktsRx [Num Session Disc Unk Sess Pkts Rx] (tmnxMobPdnGxStatSdrUnkSessPktsRx)	long	The value of tmnxMobPdnGxStatSdrUnkSessPktsRx indicates the number of Session Discovery Request (SDR) packets with unknown session received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
oversizedMsgReceived [Oversized Msg Received] (tmnxMobPdnGxStatRxMsgTooBig)	long	The value of tmnxMobPdnGxStatRxMsgTooBig indicates the number of oversize messages received from this peer.
primaryOCSAddressesReceived [Primary OCSAddresses Received] (tmnxMobPdnGxStatPriOcsAddrRx)	long	The Value of tmnxMobPdnGxStatPriOcsAddrRx indicates the number of primary Online Charging System (OCS) addresses received.
rateLimCcrIDrops [Rate Lim Ccr IDrops] (tmnxMobPdnGxStatRateLimCcrIDrops)	long	The value of tmnxMobPdnGxStatRateLimCcrIDrops indicates the number of Credit Control Request (CCR) Initial messages to this peer dropped during the diameter message rate limiting.
rateLimCcrTDrops [Rate Lim Ccr TDrops] (tmnxMobPdnGxStatRateLimCcrTDrops)	long	The value of tmnxMobPdnGxStatRateLimCcrTDrops indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the diameter message rate limiting.
rateLimCcrUDrops [Rate Lim Ccr UDrops] (tmnxMobPdnGxStatRateLimCcrUDrops)	long	The value of tmnxMobPdnGxStatRateLimCcrUDrops indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the diameter message rate limiting.
rateLimRaaDrops [Rate Lim Raa Drops] (tmnxMobPdnGxStatRateLimRaaDrops)	long	The value of tmnxMobPdnGxStatRateLimRaaDrops indicates the number of Credit Control Request (CCR) Event messages to this peer dropped during the diameter message rate limiting.
rateLimSdaDrops [Rate Lim Sda Drops] (tmnxMobPdnGxStatRateLimSdaDrops)	long	The value of tmnxMobPdnGxStatRateLimSdaDrops indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the diameter message rate limiting.
reAuthorizationAnswersTransmitted [Re Authorization Answers Transmitted] (tmnxMobPdnGxStatTxRaa)	long	The value of tmnxMobPdnGxStatTxRaa indicates the number of Re-Auth Answer (RAA) messages transmitted to this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reAuthorizationRequestsMalformedPacketsReceived [Re Authorization Requests Malformed Packets Received] (tmnxMobPdnGxStatRxRarMalformPkts)	long	The value of tmnxMobPdnGxStatRxRarMalformPkts indicates the number of Re-Auth Request (RAR) malformed packets received from this peer.
reAuthorizationRequestsMissingMandatoryInformationElementPacketsReceived [Re Authorization Requests Missing Mandatory Information Element Packets Received] (tmnxMobPdnGxStatRxRarMisslePkts)	long	The value of tmnxMobPdnGxStatRxRarMisslePkts indicates the number of Re-Auth Request (RAR) missing mandatory Information Element (IE) packets received from this peer.
reAuthorizationRequestsNacksTransmitted [Re Authorization Requests Nacks Transmitted] (tmnxMobPdnGxStatTxRaaNack)	long	The value of tmnxMobPdnGxStatTxRaaNack indicates the number of Re-Auth Answer (RAA) negative acknowledgement (NACK) messages transmitted to this peer.
reAuthorizationRequestsReceived [Re Authorization Requests Received] (tmnxMobPdnGxStatRxRar)	long	The value of tmnxMobPdnGxStatRxRar indicates the number of Re-Auth Request (RAR) messages received from this peer.
reAuthorizationRequestsUnknownPacketsReceived [Re Authorization Requests Unknown Packets Received] (tmnxMobPdnGxStatRxRarUnknownPkts)	long	The value of tmnxMobPdnGxStatRxRarUnknownPkts indicates the number of Re-Auth Request (RAR) unknown packets received from this peer.
reAuthorizationRequestsUnknownSessionPacketsReceived [Re Authorization Requests Unknown Session Packets Received] (tmnxMobPdnGxStatRxRarUnkSession)	long	The value of tmnxMobPdnGxStatRxRarUnkSession indicates the number of Re-Auth Request (RAR) unknown session packets received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
secondaryOCSAddressesReceived [Secondary OCSAddresses Received] (tmnxMobPdnGxStatSecOcsAddrRx)	long	The Value of tmnxMobPdnGxStatSecOcsAddrRx indicates the number of secondary Online Charging System (OCS) addresses received.
totalMalformedPacketsReceived [Total Malformed Packets Received] (tmnxMobPdnGxStatRxMalformedPkts)	long	The value of tmnxMobPdnGxStatRxMalformedPkts indicates the number of malformed packets received from this peer.
totalMissingMandatoryInformationElementPacketsReceived [Total Missing Mandatory Information Element Packets Received] (tmnxMobPdnGxStatRxMissinglePkts)	long	The value of tmnxMobPdnGxStatRxMissinglePkts indicates the number of missing mandatory Information Element (IE) packets received from this peer.
totalMsgReceived [Total Msg Received] (tmnxMobPdnGxStatRxMsgs)	long	The value of tmnxMobPdnGxStatRxMsgs indicates the total number of messages received from this peer.
totalMsgRetransmitted [Total Msg Retransmitted] (tmnxMobPdnGxStatTxRetransmitMsgs)	long	The value of tmnxMobPdnGxStatTxRetransmitMsgs indicates the number of retransmit messages transmitted to this peer.
totalMsgTransmitted [Total Msg Transmitted] (tmnxMobPdnGxStatTxMsgs)	long	The value of tmnxMobPdnGxStatTxMsgs indicates the total number of messages transmitted to this peer.
totalUnknownPacketsReceived [Total Unknown Packets Received] (tmnxMobPdnGxStatRxUnknownPkts)	long	The value of tmnxMobPdnGxStatRxRarMalformPkts indicates the number of unknown packets received from this peer.
transportDisconnectionMsgReceived [Transport Disconnection Msg Received] (tmnxMobPdnGxStatRxTransportDisc)	long	The value of tmnxMobPdnGxStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizedMsgReceived [Undersized Msg Received] (tmnxMobPdnGxStatRxMsgTooSmall)	long	The value of tmnxMobPdnGxStatRxMsgTooSmall indicates the number of small messages received from this peer.
unexpectedVersionMsgReceived [Unexpected Version Msg Received] (tmnxMobPdnGxStatRxMsgUnexpectVer)	long	The value of tmnxMobPdnGxStatRxMsgUnexpectVer indicates the number of unexpected version messages received from this peer.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
IpPoolEntryStats MIB entry name: vRtrIpPoolStatEntry Entry description: Each row entry represents the statistics for an IP prefix configured in an IP pool in the system. Table description (for vRtrIpPoolStatTable): The vRtrIpPoolStatTable has an entry for each IP prefix configured in an IP pool in the system. Supports realtime plotting Supports scheduled collection Monitored class: lte.IpPoolEntry		
ipPoolNoOfAddressesAllocated [Ip Pool No Of Addresses Allocated] (vRtrIpPoolStatAllocated)	long	The value of the object vRtrIpPoolStatAllocated indicates the number of IP Addresses used.
ipPoolNoOfAddressesFree [Ip Pool No Of Addresses Free] (vRtrIpPoolStatFree)	long	The value of the object vRtrIpPoolStatFree indicates the number of free IP Addresses.

Table 543 Ite statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipPoolNoOfAddressesHeld [Ip Pool No Of Addresses Held] (vRtrIpPoolStatHeld)	long	The value of the object vRtrIpPoolStatHeld indicates the number of IP Addresses held.
<p>RfPeerStats</p> <p>MIB entry name: tmnxMobGwRfStatEntry</p> <p>Entry description: Each row entry represents a peer on the Rf reference point and contain statistics for this peer on a card.</p> <p>Table description (for tmnxMobGwRfStatTable): The tmnxMobGwRfStatTable has an entry for each peer on the Rf reference point served by a mobile gateway.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.AgwRfPeer</p>		
acrInterimMsgTransmitFailed [Acr Interim Msg Transmit Failed] (tmnxMobGwRfStatTxAcrInterimFail)	long	The value of tmnxMobGwRfStatTxAcrInterimFail indicates the number of Accounting Request (ACR) Interim message failures.
acrInterimMsgTransmitted [Acr Interim Msg Transmitted] (tmnxMobGwRfStatTxAcrInterim)	long	The value of tmnxMobGwRfStatTxAcrInterim indicates the number of Accounting Request (ACR) Interim messages transmitted to this peer.
acrStartMsgTransmitFailed [Acr Start Msg Transmit Failed] (tmnxMobGwRfStatTxAcrStartFails)	long	The value of tmnxMobGwRfStatTxAcrStartFails indicates the number of Accounting Request (ACR) Start message failures.
acrStartMsgTransmitted [Acr Start Msg Transmitted] (tmnxMobGwRfStatTxAcrStart)	long	The value of tmnxMobGwRfStatTxAcrStart indicates the number of Accounting Request (ACR) Start messages transmitted to this peer.
acrStopMsgTransmitFailed [Acr Stop Msg Transmit Failed] (tmnxMobGwRfStatTxAcrStopFails)	long	The value of tmnxMobGwRfStatTxAcrStopFails indicates the number of Accounting Request (ACR) Stop message failures.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acrStopMsgTransmitted [Acr Stop Msg Transmitted] (tmnxMobGwRfStatTxAcrStop)	long	The value of tmnxMobGwRfStatTxAcrStop indicates the number of Accounting Request (ACR) Stop messages transmitted to this peer.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
ceaReceived [Cea Received] (tmnxMobGwRfStatRxCea)	long	The value of tmnxMobGwRfStatRxCea indicates the number of Capabilities Exchange Answer (CEA) messages received from this peer.
cerTransmitted [Cer Transmitted] (tmnxMobGwRfStatTxCer)	long	The value of tmnxMobGwRfStatTxCer indicates the number of Capabilities Exchange Request (CER) messages transmitted to this peer.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
connAttempts [Conn Attempts] (tmnxMobGwRfStatConnAttempts)	long	The value of tmnxMobGwRfStatConnAttempts indicates the number of connections attempted to this peer.
connFailures [Conn Failures] (tmnxMobGwRfStatConnFailures)	long	The value of tmnxMobGwRfStatConnFailures indicates the number of failed connections with this peer.
currCongestionAcrInterMsg [Curr Congestion Acr Inter Msg] (tmnxMobGwRfStatCurrCgAcrInterMsg)	long	The value of tmnxMobGwRfStatCurrCgAcrInterMsg indicates the number of Accounting Request (ACR) Interim messages to this peer dropped during the current congestion.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currCongestionAcrStartMsg [Curr Congestion Acr Start Msg] (tmnxMobGwRfStatCurrCgAcrStartMsg)	long	The value of tmnxMobGwRfStatCurrCgAcrStartMsg indicates the number of Accounting Request (ACR) Start messages to this peer dropped during the current congestion.
currCongestionAcrStopMsg [Curr Congestion Acr Stop Msg] (tmnxMobGwRfStatCurrCgAcrStopMsg)	long	The value of tmnxMobGwRfStatCurrCgAcrStopMsg indicates the number of Accounting Request (ACR) Stop messages to this peer dropped during the current congestion.
currCongestionPendMsg [Curr Congestion Pend Msg] (tmnxMobGwRfStatCurrCgPendMsg)	long	The value of tmnxMobGwRfStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.
dpaRecieved [Dpa Recieved] (tmnxMobGwRfStatRxDpa)	long	The value of tmnxMobGwRfStatRxDpa indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.
dpaTransmitted [Dpa Transmitted] (tmnxMobGwRfStatTxDpa)	long	The value of tmnxMobGwRfStatTxDpa indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
dprReceived [Dpr Received] (tmnxMobGwRfStatRxDpr)	long	The value of tmnxMobGwRfStatRxDpr indicates the number of Disconnect Peer Request (DPR) messages received from this peer.
dprTransmitted [Dpr Transmitted] (tmnxMobGwRfStatTxDpr)	long	The value of tmnxMobGwRfStatTxDpr indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
dwaReceived [Dwa Received] (tmnxMobGwRfStatRxDwa)	long	The value of tmnxMobGwRfStatRxDwa indicates the number of Device Watchdog Answer (DWA) messages received from this peer.
dwaTransmitted [Dwa Transmitted] (tmnxMobGwRfStatTxDwa)	long	The value of tmnxMobGwRfStatTxDwa indicates the number of Device Watchdog Answer (DWA) messages transmitted to this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dwrRecieved [Dwr Recieved] (tmnxMobGwRfStatRxDwr)	long	The value of tmnxMobGwRfStatRxDwr indicates the number of Device Watchdog Request (DWR) messages received from this peer.
dwrTransmitted [Dwr Transmitted] (tmnxMobGwRfStatTxDwr)	long	The value of tmnxMobGwRfStatTxDwr indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
invalidCeaReceived [Invalid Cea Received] (tmnxMobGwRfStatRxInvalidCea)	long	The value of tmnxMobGwRfStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
peerIpAddress [Peer Ip Address] (tmnxMobGwRfPeerAddress)	String	The value of tmnxMobGwRfPeerAddress indicates the IP address of the peer on Rf reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwRfPeerAddressType)	int	The value of tmnxMobGwRfPeerAddressType indicates the type of address represented by tmnxMobGwRfPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobGwRfPeerPort)	int	The value of tmnxMobGwRfPeerPort indicates the port number of this peer.
prevCongestionAcrInterMsg [Prev Congestion Acr Inter Msg] (tmnxMobGwRfStatPrevCgAcrInterMsg)	long	The value of tmnxMobGwRfStatPrevCgAcrInterMsg indicates the number of Accounting Request (ACR) Interim messages to this peer dropped during the prior congestion.
prevCongestionAcrStartMsg [Prev Congestion Acr Start Msg] (tmnxMobGwRfStatPrevCgAcrStartMsg)	long	The value of tmnxMobGwRfStatPrevCgAcrStartMsg indicates the number of Accounting Request (ACR) Start messages to this peer dropped during the prior congestion.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prevCongestionAcrStopMsg [Prev Congestion Acr Stop Msg] (tmnxMobGwRfStatPrevCgAcrStopMsg)	long	The value of tmnxMobGwRfStatPrevCgAcrStopMsg indicates the number of Accounting Request (ACR) Stop messages to this peer dropped during the prior congestion.
tooBigMsgReceived [Too Big Msg Received] (tmnxMobGwRfStatRxMsgTooBig)	long	The value of tmnxMobGwRfStatRxMsgTooBig indicates the number of oversize messages received from this peer.
tooSmallMsgReceived [Too Small Msg Received] (tmnxMobGwRfStatRxMsgTooSmall)	long	The value of tmnxMobGwRfStatRxMsgTooSmall indicates the number of small messages received from this peer.
totalMsgReceived [Total Msg Received] (tmnxMobGwRfStatRxMsgs)	long	The value of tmnxMobGwRfStatRxMsgs indicates the total number of messages received from this peer.
totalMsgRetransmitted [Total Msg Retransmitted] (tmnxMobGwRfStatTxRetransmitMsgs)	long	The value of tmnxMobGwRfStatTxRetransmitMsgs indicates the number of retransmit messages transmitted to this peer.
totalMsgTransmitted [Total Msg Transmitted] (tmnxMobGwRfStatTxMsgs)	long	The value of tmnxMobGwRfStatTxMsgs indicates the total number of messages transmitted to this peer.
transportDiscMsgReceived [Transport Disc Msg Received] (tmnxMobGwRfStatRxTransportDisc)	long	The value of tmnxMobGwRfStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.
unexpectedVerMsgReceived [Unexpected Ver Msg Received] (tmnxMobGwRfStatRxMsgUnexpectVer)	long	The value of tmnxMobGwRfStatRxMsgUnexpectVer indicates the number of unexpected version messages received from this peer.

Table 543 lte statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 544 Iteepdg statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SwmCauseCodeStats</p> <p>MIB entry name: tmnxMobPdnSwmCauseCodeEntry</p> <p>Entry description: Each row entry represents a peer on the SWm reference point and contains cause code statistics for this peer on a card.</p> <p>Table description (for tmnxMobPdnSwmCauseCodeTable): The tmnxMobPdnSwmCauseCodeTable has an entry for each peer on the SWm reference point which is located between ePDG and AAA server/proxy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteepdg.SwmPeer</p>		
aaaldNotRegist [Aaa Id Not Regist] (tmnxMobPdnSwmCcRxAaaldNotRegist)	long	The value of tmnxMobPdnSwmCcRxAaaldNotRegist indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_NOT_REGISTERED (5003).
aaaldRegistered [Aaa Id Registered] (tmnxMobPdnSwmCcRxAaaldRegistered)	long	The value of tmnxMobPdnSwmCcRxAaaldRegistered indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_ALREADY_REGISTERED (5005).
aaaRatNotAllow [Aaa Rat Not Allow] (tmnxMobPdnSwmCcRxAaaRatNotAllow)	long	The value of tmnxMobPdnSwmCcRxAaaRatNotAllow indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_RAT_TYPE_NOT_ALLOWED (5452).
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
dealdNotRegist [Dea Id Not Regist] (tmnxMobPdnSwmCcRxDealdNotRegist)	long	The value of tmnxMobPdnSwmCcRxDealdNotRegist indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_NOT_REGISTERED (5003).
dealdRegistered [Dea Id Registered] (tmnxMobPdnSwmCcRxDealdRegistered)	long	The value of tmnxMobPdnSwmCcRxDealdRegistered indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_ALREADY_REGISTERED (5005).
deaRatNotAllow [Dea Rat Not Allow] (tmnxMobPdnSwmCcRxDeaRatNotAllow)	long	The value of tmnxMobPdnSwmCcRxDeaRatNotAllow indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_RAT_TYPE_NOT_ALLOWED (5452).
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
numAAAMsgNoNon3gppSub [Num AAAMsg No Non 3 gpp Sub] (tmnxMobPdnSwmCcRxAaaNoNon3gppSub)	long	The value of tmnxMobPdnSwmCcRxAaaNoNon3gppSub indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTION (5450).
numAAAMsgRoamNotAllowed [Num AAAMsg Roam Not Allowed] (tmnxMobPdnSwmCcRxAaaRoamNotAllowed)	long	The value of tmnxMobPdnSwmCcRxAaaRoamNotAllowed indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_ROAMING_NOT_ALLOWED (5004).

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numDEAMsgNoNon3gppSub [Num DEAMsg No Non 3 gpp Sub] (tmnxMobPdnSwmCcRxDeaNoNon3gppSub)	long	The value of tmnxMobPdnSwmCcRxDeaNoNon3gppSub indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTION (5450).
numDEAMsgRoamNotAllowed [Num DEAMsg Roam Not Allowed] (tmnxMobPdnSwmCcRxDeaRoamNotAllow)	long	The value of tmnxMobPdnSwmCcRxDeaRoamNotAllow indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_ROAMING_NOT_ALLOWED (5004).
peerIpAddress [Peer Ip Address] (tmnxMobPdnSwmPeerAddress)	String	The value of tmnxMobPdnSwmPeerAddress indicates the IP address of the peer on Swm reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnSwmPeerAddressType)	int	The value of tmnxMobPdnSwmPeerAddressType indicates the type of address represented by tmnxMobPdnSwmPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobPdnSwmPeerPort)	int	The value of tmnxMobPdnSwmPeerPort indicates the port number of this peer.
receivedAAAAPVNotAllowed [Received AAAAVPNot Allowed] (tmnxMobPdnSwmCcRxAaaAvpNotAllow)	long	The value of tmnxMobPdnSwmCcRxAaaAvpNotAllow indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
receivedAAAAPVUnsupported [Received AAAAVPUnsupported] (tmnxMobPdnSwmCcRxAaaAvpUnsupport)	long	The value of tmnxMobPdnSwmCcRxAaaAvpUnsupport indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
receivedAAAAuthenticationRejected [Received AAAAuthentication Rejected] (tmnxMobPdnSwmCcRxAaaAuthNReject)	long	The value of tmnxMobPdnSwmCcRxAaaAuthNReject indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AUTHENTICATION_REJECTED (4001).

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedAAAAuthorizationRejected [Received AAAAuthorization Rejected] (tmnxMobPdnSwmCcRxAaaAuthZReject)	long	The value of tmnxMobPdnSwmCcRxAaaAuthZReject indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).
receivedAAAInvalidAVPValue [Received AAAInvalid AVPValue] (tmnxMobPdnSwmCcRxAaaInvalAvpVal)	long	The value of tmnxMobPdnSwmCcRxAaaInvalAvpVal indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
receivedAAAMissingAVP [Received AAAMissing AVP] (tmnxMobPdnSwmCcRxAaaMissingAvp)	long	The value of tmnxMobPdnSwmCcRxAaaMissingAvp indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).
receivedAAAOtherPermanentFailures [Received AAAOther Permanent Failures] (tmnxMobPdnSwmCcRxAaaOther5XXX)	long	The value of tmnxMobPdnSwmCcRxAaaOther5XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other permanent failures.
receivedAAAOtherProtocolsErrors [Received AAAOther Protocols Errors] (tmnxMobPdnSwmCcRxAaaOther3XXX)	long	The value of tmnxMobPdnSwmCcRxAaaOther3XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other protocol errors.
receivedAAAOtherTransitFailures [Received AAAOther Transit Failures] (tmnxMobPdnSwmCcRxAaaOther4XXX)	long	The value of tmnxMobPdnSwmCcRxAaaOther4XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other transient failures.
receivedAAAResourcesExceeded [Received AAAResources Exceeded] (tmnxMobPdnSwmCcRxAaaResrcExceed)	long	The value of tmnxMobPdnSwmCcRxAaaResrcExceed indicates the number of AA-Answer (AAA) the messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).
receivedAAATooBusy [Received AAAToo Busy] (tmnxMobPdnSwmCcRxAaaTooBusy)	long	The value of tmnxMobPdnSwmCcRxAaaTooBusy indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedAAAUnabletoDeliver [Received AAAUnableto Deliver] (tmnxMobPdnSwmCcRxAaaUnableDelivr)	long	The value of tmnxMobPdnSwmCcRxAaaUnableDelivr indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
receivedAAAUnknownSessionId [Received AAAUnknown Session Id] (tmnxMobPdnSwmCcRxAaaUnkSessId)	long	The value of tmnxMobPdnSwmCcRxAaaUnkSessId indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
receivedAAAUserNoApnSubscription [Received AAAUser No Apn Subscription] (tmnxMobPdnSwmCcRxAaaUserNoApnSub)	long	The value of tmnxMobPdnSwmCcRxAaaUserNoApnSub indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION (5451).
receivedAAAUserUnknown [Received AAAUser Unknown] (tmnxMobPdnSwmCcRxAaaUserUnknown)	long	The value of tmnxMobPdnSwmCcRxAaaUserUnknown indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_USER_UNKNOWN (5001).
receivedDEAAVPNotAllowed [Received DEAAVPNot Allowed] (tmnxMobPdnSwmCcRxDeaAvpNotAllowed)	long	The value of tmnxMobPdnSwmCcRxDeaAvpNotAllowed indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
receivedDEAAVPUnsupported [Received DEAAVPUnsupported] (tmnxMobPdnSwmCcRxDeaAvpUnsupport)	long	The value of tmnxMobPdnSwmCcRxDeaAvpUnsupport indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
receivedDEAAAuthenticationRejected [Received DEAAAuthentication Rejected] (tmnxMobPdnSwmCcRxDeaAuthNReject)	long	The value of tmnxMobPdnSwmCcRxDeaAuthNReject indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AUTHENTICATION_REJECTED (4001).

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDEAAuthorizationRejected [Received DEAAuthorization Rejected] (tmnxMobPdnSwmCcRxDeaAuthZReject)	long	The value of tmnxMobPdnSwmCcRxDeaAuthZReject indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).
receivedDEAInvalidAVPValue [Received DEAInvalid AVPValue] (tmnxMobPdnSwmCcRxDeaInvalAvpVal)	long	The value of tmnxMobPdnSwmCcRxDeaInvalAvpVal indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
receivedDEAMissingAVP [Received DEAMissing AVP] (tmnxMobPdnSwmCcRxDeaMissingAvp)	long	The value of tmnxMobPdnSwmCcRxDeaMissingAvp indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).
receivedDEAOtherPermanentFailures [Received DEAOther Permanent Failures] (tmnxMobPdnSwmCcRxDeaOther5XXX)	long	The value of tmnxMobPdnSwmCcRxDeaOther5XXX indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to other permanent failures.
receivedDEAOtherProtocolsErrors [Received DEAOther Protocols Errors] (tmnxMobPdnSwmCcRxDeaOther3XXX)	long	The value of tmnxMobPdnSwmCcRxDeaOther3XXX indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to other protocol errors.
receivedDEAOtherTransitFailures [Received DEAOther Transit Failures] (tmnxMobPdnSwmCcRxDeaOther4XXX)	long	The value of tmnxMobPdnSwmCcRxDeaOther4XXX indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to other transient failures.
receivedDEAResourcesExceeded [Received DEAResources Exceeded] (tmnxMobPdnSwmCcRxDeaResrcExceed)	long	The value of tmnxMobPdnSwmCcRxDeaResrcExceed indicates the number of DE-Answer (DEA) the messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).
receivedDEATooBusy [Received DEAToo Busy] (tmnxMobPdnSwmCcRxDeaTooBusy)	long	The value of tmnxMobPdnSwmCcRxDeaTooBusy indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDEAUnabletoDeliver [Received DEAUnableto Deliver] (tmnxMobPdnSwmCcRxDeaUnableDelivr)	long	The value of tmnxMobPdnSwmCcRxDeaUnableDelivr indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
receivedDEAUnknownSessionId [Received DEAUnknown Session Id] (tmnxMobPdnSwmCcRxDeaUnkSessId)	long	The value of tmnxMobPdnSwmCcRxDeaUnkSessId indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
receivedDEAUserNoApnSubscription [Received DEAUser No Apn Subscription] (tmnxMobPdnSwmCcRxDeaUserNoApnSub)	long	The value of tmnxMobPdnSwmCcRxDeaUserNoApnSub indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION (5451).
receivedDEAUserUnknown [Received DEAUser Unknown] (tmnxMobPdnSwmCcRxDeaUserUnknown)	long	The value of tmnxMobPdnSwmCcRxDeaUserUnknown indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_USER_UNKNOWN (5001).
strLogout [Str Logout] (tmnxMobPdnSwmCcTxStrLogout)	long	The value of tmnxMobPdnSwmCcTxStrLogout indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_LOGOUT (1).
strServNotProv [Str Serv Not Prov] (tmnxMobPdnSwmCcTxStrServNotProv)	long	The value of tmnxMobPdnSwmCcTxStrServNotProv indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_SERVICE_NOT_PROVIDED (2).
transmittedASAUnabletoComply [Transmitted ASAUnableto Comply] (tmnxMobPdnSwmCcTxAsaUnComply)	long	The value of tmnxMobPdnSwmCcTxAsaUnComply indicates the number of Abort-Session-Answer (ASA) the messages transmitted from this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedASAUnknownSessionId [Transmitted ASAUnknown Session Id] (tmnxMobPdnSwmCcTxAsaUnkSessId)	long	The value of tmnxMobPdnSwmCcTxAsaUnkSessId indicates the number of the Abort-Session-Answer (ASA) messages transmitted from this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
transmittedRAAUnabletoComply [Transmitted RAAUnableto Comply] (tmnxMobPdnSwmCcTxRaaUnComply)	long	The value of tmnxMobPdnSwmCcTxRaaUnComply indicates the number of Re-Auth-Answer (RAA) the messages transmitted from this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
transmittedRAAUnknownSessionId [Transmitted RAAUnknown Session Id] (tmnxMobPdnSwmCcTxRaaUnkSessId)	long	The value of tmnxMobPdnSwmCcTxRaaUnkSessId indicates the number of the Re-Auth-Answer (RAA) messages transmitted from this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
transmittedSTRAdministrative [Transmitted STRAdministrative] (tmnxMobPdnSwmCcTxStrAdmin)	long	The value of tmnxMobPdnSwmCcTxStrAdmin indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_ADMINISTRATIVE (4).
transmittedSTRBadAnswer [Transmitted STRBad Answer] (tmnxMobPdnSwmCcTxStrBadAnswer)	long	The value of tmnxMobPdnSwmCcTxStrBadAnswer indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_BAD_ANSWER (3).
transmittedSTRSessiontimeout [Transmitted STRSessiontimeout] (tmnxMobPdnSwmCcTxStrSessTimeout)	long	The value of tmnxMobPdnSwmCcTxStrSessTimeout indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_SESSION_TIMEOUT (8).
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SwmPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteepdg.SwmPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
pdnSwmAARFinalTOTx [Pdn Swm AARFinal TOTx] (tmnxMobPdnSwmAARFinalTOTx)	long	The value of tmnxMobPdnSwmAARFinalTOTx indicates the number of AAR request retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmASAUnknownSessTx [Pdn Swm ASAUnknown Sess Tx] (tmnxMobPdnSwmASAUnknownSessTx)	long	The value of tmnxMobPdnSwmASAUnknownSessTx indicates the number of Abort Session Answer (ASA) messages sent when the session identified in the Abort Session Request (ASR) message could not be found.
pdnSwmDERFinalTOTx [Pdn Swm DERFinal TOTx] (tmnxMobPdnSwmDERFinalTOTx)	long	The value of tmnxMobPdnSwmDERFinalTOTx indicates the number of DER request retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.
pdnSwmRAAUnknownSessTx [Pdn Swm RAAUnknown Sess Tx] (tmnxMobPdnSwmRAAUnknownSessTx)	long	The value of tmnxMobPdnSwmRAAUnknownSessTx indicates the number of Reauthorization Answer (RAA) messages sent when the session identified in the Reauthorization Request (RAR) could not be found.
pdnSwmSTRFinalTOTx [Pdn Swm STRFinal TOTx] (tmnxMobPdnSwmSTRFinalTOTx)	long	The value of tmnxMobPdnSwmSTRFinalTOTx indicates the number of STR request retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.
pdnSwmSTRUnknownSessAaaTx [Pdn Swm STRUnknown Sess Aaa Tx] (tmnxMobPdnSwmSTRUnknownSessAaaTx)	long	The value of tmnxMobPdnSwmSTRUnknownSessAaaTx indicates the number of STR requests the Packet Data Gateway (ePDG) sends upon receiving AA Answer (AAA) message for an unknown session.
pdnSwmSTRUnknownSessDeaTx [Pdn Swm STRUnknown Sess Dea Tx] (tmnxMobPdnSwmSTRUnknownSessDeaTx)	long	The value of tmnxMobPdnSwmSTRUnknownSessDeaTx indicates the number of STR requests the Packet Data Gateway (ePDG) sends upon receiving DE Answer (DEA) message for an unknown session.
pdnSwmStatAAAExtnRx [Pdn Swm Stat AAExt n Rx] (tmnxMobPdnSwmStatAAAExt n Rx)	long	The value of tmnxMobPdnSwmStatAAAExt n Rx indicates the number of AA Answer (AAA) messages received from this peer for a lifetime extension.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatAAReauthRx [Pdn Swm Stat AAReauth Rx] (tmnxMobPdnSwmStatAAReauthRx)	long	The value of tmnxMobPdnSwmStatAAReauthRx indicates the number of AA Answer (AAA) messages received from this peer for a reauthorization.
pdnSwmStatAARejectRx [Pdn Swm Stat AAReject Rx] (tmnxMobPdnSwmStatAARejectRx)	long	The value of tmnxMobPdnSwmStatAARejectRx indicates the number of AAA messages received from this peer with Result-Code set to diameter-authorization-rejected.
pdnSwmStatAAASuccessRx [Pdn Swm Stat AAASuccess Rx] (tmnxMobPdnSwmStatAAASuccessRx)	long	The value of tmnxMobPdnSwmStatAAASuccessRx indicates the number of AAA messages received from this peer with Result-Code set to diameter success.
pdnSwmStatAARExtnTx [Pdn Swm Stat AARExtn Tx] (tmnxMobPdnSwmStatAARExtnTx)	long	The value of tmnxMobPdnSwmStatAARExtnTx indicates the number of AA Request (AAR) messages transmitted to this peer during a lifetime extension.
pdnSwmStatAARReauthTx [Pdn Swm Stat AARReauth Tx] (tmnxMobPdnSwmStatAARReauthTx)	long	The value of tmnxMobPdnSwmStatAARReauthTx indicates the number of AA Request (AAR) messages transmitted to this peer during a reauthorization.
pdnSwmStatAARRetries [Pdn Swm Stat AARRetries] (tmnxMobPdnSwmStatAARRetries)	long	The value of tmnxMobPdnSwmStatAARRetries indicates the number of times the Packet Data Gateway (ePDG) retried to send an AAR request.
pdnSwmStatASAnswerTx [Pdn Swm Stat ASAnswer Tx] (tmnxMobPdnSwmStatASAnswerTx)	long	The value of tmnxMobPdnSwmStatASAnswerTx indicates the number of Abort Session Answer (ASA) messages transmitted by the evolved Packet Data Gateway (ePDG).
pdnSwmStatASRequestRx [Pdn Swm Stat ASRequest Rx] (tmnxMobPdnSwmStatASRequestRx)	long	The value of tmnxMobPdnSwmStatASRequestRx indicates the number of Abort Session Request (ASR) messages received by the evolved Packet Data Gateway (ePDG).
pdnSwmStatCEAMsgsRx [Pdn Swm Stat CEAMsgs Rx] (tmnxMobPdnSwmStatCEAMsgsRx)	long	The value of tmnxMobPdnSwmStatCEAMsgsRx indicates the number of Capability Exchange Answer (CEA) messages received from this peer.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatCERMsgsTx [Pdn Swm Stat CERMsgs Tx] (tmnxMobPdnSwmStatCERMsgsTx)	long	The value of tmnxMobPdnSwmStatCERMsgsTx indicates the number of Capability Exchange Request (CER) messages transmitted to this peer.
pdnSwmStatConnAttempts [Pdn Swm Stat Conn Attempts] (tmnxMobPdnSwmStatConnAttempts)	long	The value of tmnxMobPdnSwmStatConnAttempts indicates the number of connections attempted to this peer.
pdnSwmStatConnFailures [Pdn Swm Stat Conn Failures] (tmnxMobPdnSwmStatConnFailures)	long	The value of tmnxMobPdnSwmStatConnFailures indicates the number of failed connections with this peer.
pdnSwmStatCurrCgAarMsg [Pdn Swm Stat Curr Cg Aar Msg] (tmnxMobPdnSwmStatCurrCgAarMsg)	long	The value of tmnxMobPdnSwmStatCurrCgAarMsg indicates the number of AA Request (AAR) messages to this peer dropped during the current congestion.
pdnSwmStatCurrCgAsaMsg [Pdn Swm Stat Curr Cg Asa Msg] (tmnxMobPdnSwmStatCurrCgAsaMsg)	long	The value of tmnxMobPdnSwmStatCurrCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the current congestion.
pdnSwmStatCurrCgDerMsg [Pdn Swm Stat Curr Cg Der Msg] (tmnxMobPdnSwmStatCurrCgDerMsg)	long	The value of tmnxMobPdnSwmStatCurrCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the current congestion.
pdnSwmStatCurrCgPendMsg [Pdn Swm Stat Curr Cg Pend Msg] (tmnxMobPdnSwmStatCurrCgPendMsg)	long	The value of tmnxMobPdnSwmStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.
pdnSwmStatCurrCgRaaMsg [Pdn Swm Stat Curr Cg Raa Msg] (tmnxMobPdnSwmStatCurrCgRaaMsg)	long	The value of tmnxMobPdnSwmStatCurrCgRaaMsg indicates the number of Re-Authorization Answer (RAA) messages to this peer dropped during the current congestion.
pdnSwmStatCurrCgStrMsg [Pdn Swm Stat Curr Cg Str Msg] (tmnxMobPdnSwmStatCurrCgStrMsg)	long	The value of tmnxMobPdnSwmStatCurrCgStrMsg indicates the number of Session Termination Request (STR) messages to this peer dropped during the current congestion.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatDEAMultiRoundRx [Pdn Swm Stat DEAMulti Round Rx] (tmnxMobPdnSwmStatDEAMultiRoundRx)	long	The value of tmnxMobPdnSwmStatDEAMultiRoundRx indicates the number of DEA messages received from this peer with Result-Code set to diameter multi-round-auth.
pdnSwmStatDEAOtherCodeRx [Pdn Swm Stat DEAOther Code Rx] (tmnxMobPdnSwmStatDEAOtherCodeRx)	long	The value of tmnxMobPdnSwmStatDEAOtherCodeRx indicates the number of DEA messages received from this peer with Result-Code other than diameter success or diameter mutli-round-auth.
pdnSwmStatDEARedFailRx [Pdn Swm Stat DEARed Fail Rx] (tmnxMobPdnSwmStatDEARedFailRx)	long	The value of tmnxMobPdnSwmStatDEARedFailRx indicates the number of redirection DEA messages received from this peer with the failure Result-Code.
pdnSwmStatDEARedRx [Pdn Swm Stat DEARed Rx] (tmnxMobPdnSwmStatDEARedRx)	long	The value of tmnxMobPdnSwmStatDEARedRx indicates the number of redirection DEA messages received from this peer.
pdnSwmStatDEASuccessRx [Pdn Swm Stat DEASuccess Rx] (tmnxMobPdnSwmStatDEASuccessRx)	long	The value of tmnxMobPdnSwmStatDEASuccessRx indicates the number of DEA messages received from this peer with Result-Code set to diameter success.
pdnSwmStatDERFailIndTx [Pdn Swm Stat DERFail Ind Tx] (tmnxMobPdnSwmStatDERFailIndTx)	long	The value of tmnxMobPdnSwmStatDERFailIndTx indicates the number of Diameter EAP Request (DER) messages with AAA failure indication AVP transmitted to this peer.
pdnSwmStatDERInitAtchTx [Pdn Swm Stat DERInit Atch Tx] (tmnxMobPdnSwmStatDERInitAtchTx)	long	The value of tmnxMobPdnSwmStatDERInitAtchTx indicates the number of Diameter EAP Request (DER) messages transmitted to this peer for an initial attach.
pdnSwmStatDERRetries [Pdn Swm Stat DERRetries] (tmnxMobPdnSwmStatDERRetries)	long	The value of tmnxMobPdnSwmStatDERRetries indicates the number of times the Packet Data Gateway (ePDG) retried to send a DER request.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatDERSubsAtchTx [Pdn Swm Stat DERSubs Atch Tx] (tmnxMobPdnSwmStatDERSubsAtchTx)	long	The value of tmnxMobPdnSwmStatDERSubsAtchTx indicates the number of Diameter EAP Request (DER) messages transmitted to this peer for a subsequent attach.
pdnSwmStatDPAMsgsRx [Pdn Swm Stat DPAMsgs Rx] (tmnxMobPdnSwmStatDPAMsgsRx)	long	The value of tmnxMobPdnSwmStatDPAMsgsRx indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.
pdnSwmStatDPAMsgsTx [Pdn Swm Stat DPAMsgs Tx] (tmnxMobPdnSwmStatDPAMsgsTx)	long	The value of tmnxMobPdnSwmStatDPAMsgsTx indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
pdnSwmStatDPRMsgsRx [Pdn Swm Stat DPRMsgs Rx] (tmnxMobPdnSwmStatDPRMsgsRx)	long	The value of tmnxMobPdnSwmStatDPRMsgsRx indicates the number of Disconnect Peer Request (DPR) messages received from this peer.
pdnSwmStatDPRMsgsTx [Pdn Swm Stat DPRMsgs Tx] (tmnxMobPdnSwmStatDPRMsgsTx)	long	The value of tmnxMobPdnSwmStatDPRMsgsTx indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
pdnSwmStatDWAMsgsRx [Pdn Swm Stat DWAMsgs Rx] (tmnxMobPdnSwmStatDWAMsgsRx)	long	The value of tmnxMobPdnSwmStatDWAMsgsRx indicates the number of Device Watch Answer (DWA) messages received from this peer.
pdnSwmStatDWAMsgsTx [Pdn Swm Stat DWAMsgs Tx] (tmnxMobPdnSwmStatDWAMsgsTx)	long	The value of tmnxMobPdnSwmStatDWAMsgsTx indicates the number of Device Watch Answer (DWA) messages transmitted to this peer.
pdnSwmStatDWRMsgsRx [Pdn Swm Stat DWRMsgs Rx] (tmnxMobPdnSwmStatDWRMsgsRx)	long	The value of tmnxMobPdnSwmStatDWRMsgsRx indicates the number of Device Watchdog Request (DWR) messages received from this peer.
pdnSwmStatDWRMsgsTx [Pdn Swm Stat DWRMsgs Tx] (tmnxMobPdnSwmStatDWRMsgsTx)	long	The value of tmnxMobPdnSwmStatDWRMsgsTx indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatMessagesRx [Pdn Swm Stat Messages Rx] (tmnxMobPdnSwmStatMessagesRx)	long	The value of tmnxMobPdnSwmStatMessagesRx indicates the total number of swm application messages received from this peer.
pdnSwmStatMessagesTx [Pdn Swm Stat Messages Tx] (tmnxMobPdnSwmStatMessagesTx)	long	The value of tmnxMobPdnSwmStatMessagesTx indicates the total number of swm application messages transmitted to this peer.
pdnSwmStatPrevCgAarMsg [Pdn Swm Stat Prev Cg Aar Msg] (tmnxMobPdnSwmStatPrevCgAarMsg)	long	The value of tmnxMobPdnSwmStatPrevCgAarMsg indicates the number of AA Request (AAR) messages to this peer dropped during the prior congestion.
pdnSwmStatPrevCgAsaMsg [Pdn Swm Stat Prev Cg Asa Msg] (tmnxMobPdnSwmStatPrevCgAsaMsg)	long	The value of tmnxMobPdnSwmStatPrevCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the prior congestion.
pdnSwmStatPrevCgDerMsg [Pdn Swm Stat Prev Cg Der Msg] (tmnxMobPdnSwmStatPrevCgDerMsg)	long	The value of tmnxMobPdnSwmStatPrevCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the prior congestion.
pdnSwmStatPrevCgRaaMsg [Pdn Swm Stat Prev Cg Raa Msg] (tmnxMobPdnSwmStatPrevCgRaaMsg)	long	The value of tmnxMobPdnSwmStatPrevCgRaaMsg indicates the number of Re-Authorization Answer (RAA) messages to this peer dropped during the prior congestion.
pdnSwmStatPrevCgStrMsg [Pdn Swm Stat Prev Cg Str Msg] (tmnxMobPdnSwmStatPrevCgStrMsg)	long	The value of tmnxMobPdnSwmStatPrevCgStrMsg indicates the number of Session Termination Request (STR) messages to this peer dropped during the prior congestion.
pdnSwmStatRAAnswerTx [Pdn Swm Stat RAAnswer Tx] (tmnxMobPdnSwmStatRAAnswerTx)	long	The value of tmnxMobPdnSwmStatRAAnswerTx indicates the number of Reauthorization Answer (RAA) messages transmitted by the evolved Packet Data Gateway (ePDG).
pdnSwmStatRARRequestRx [Pdn Swm Stat RARRequest Rx] (tmnxMobPdnSwmStatRARRequestRx)	long	The value of tmnxMobPdnSwmStatRARRequestRx indicates the number of Reauthorization Request (RAR) messages received by the evolved Packet Data Gateway (ePDG).

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatRxAaalInvlPkts [Pdn Swm Stat Rx Aaa Invl Pkts] (tmnxMobPdnSwmStatRxAaalInvlPkts)	long	The value of tmnxMobPdnSwmStatRxAaalInvlPkts indicates the number of AAA invalid packets received from this peer.
pdnSwmStatRxAsrInvlPkts [Pdn Swm Stat Rx Asr Invl Pkts] (tmnxMobPdnSwmStatRxAsrInvlPkts)	long	The value of tmnxMobPdnSwmStatRxAsrInvlPkts indicates the number of ASR invalid packets received from this peer.
pdnSwmStatRxDealInvlPkts [Pdn Swm Stat Rx Dea Invl Pkts] (tmnxMobPdnSwmStatRxDealInvlPkts)	long	The value of tmnxMobPdnSwmStatRxDealInvlPkts indicates the number of DEA invalid packets received from this peer.
pdnSwmStatRxInvalidCea [Pdn Swm Stat Rx Invalid Cea] (tmnxMobPdnSwmStatRxInvalidCea)	long	The value of tmnxMobPdnSwmStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
pdnSwmStatRxMsgTooBig [Pdn Swm Stat Rx Msg Too Big] (tmnxMobPdnSwmStatRxMsgTooBig)	long	The value of tmnxMobPdnSwmStatRxMsgTooBig indicates the number of oversize messages received from this peer.
pdnSwmStatRxMsgTooSmall [Pdn Swm Stat Rx Msg Too Small] (tmnxMobPdnSwmStatRxMsgTooSmall)	long	The value of tmnxMobPdnSwmStatRxMsgTooSmall indicates the number of small messages received from this peer.
pdnSwmStatRxMsgUnexpctVer [Pdn Swm Stat Rx Msg Unexpct Ver] (tmnxMobPdnSwmStatRxMsgUnexpctVer)	long	The value of tmnxMobPdnSwmStatRxMsgUnexpctVer indicates the number of unexpected version messages received from this peer.
pdnSwmStatRxRarInvlPkts [Pdn Swm Stat Rx Rar Invl Pkts] (tmnxMobPdnSwmStatRxRarInvlPkts)	long	The value of tmnxMobPdnSwmStatRxRarInvlPkts indicates the number of RAR invalid packets received from this peer.
pdnSwmStatRxStalInvlPkts [Pdn Swm Stat Rx Sta Invl Pkts] (tmnxMobPdnSwmStatRxStalInvlPkts)	long	The value of tmnxMobPdnSwmStatRxStalInvlPkts indicates the number of STA invalid packets received from this peer.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnSwmStatRxTransportDisc [Pdn Swm Stat Rx Transport Disc] (tmnxMobPdnSwmStatRxTransportDisc)	long	The value of tmnxMobPdnSwmStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.
pdnSwmStatSTASuccessRx [Pdn Swm Stat STASuccess Rx] (tmnxMobPdnSwmStatSTASuccessRx)	long	The value of tmnxMobPdnSwmStatSTASuccessRx indicates the number of STA messages received from this peer with Result-Code set to diameter success.
pdnSwmStatSTAnswerRx [Pdn Swm Stat STAnswer Rx] (tmnxMobPdnSwmStatSTAnswerRx)	long	The value of tmnxMobPdnSwmStatSTAnswerRx indicates the number of Session Termination Answer (STA) messages received by the evolved Packet Data Gateway (ePDG).
pdnSwmStatSTRRetries [Pdn Swm Stat STRRetries] (tmnxMobPdnSwmStatSTRRetries)	long	The value of tmnxMobPdnSwmStatSTRRetries indicates the number of times the Packet Data Gateway (ePDG) retried to send a STR request.
pdnSwmStatSTRequestTx [Pdn Swm Stat STRequest Tx] (tmnxMobPdnSwmStatSTRequestTx)	long	The value of tmnxMobPdnSwmStatSTRequestTx indicates the number of Session Termination Request (STR) messages transmitted by the evolved Packet Data Gateway (ePDG).
pdnSwmStatTxRetrnsmiMsgs [Pdn Swm Stat Tx Retrnsmi Msgs] (tmnxMobPdnSwmStatTxRetrnsmiMsgs)	long	The value of tmnxMobPdnSwmStatTxRetrnsmiMsgs indicates the number of retransmit messages transmitted to this peer.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SwuCauseCodeStats</p> <p>MIB entry name: tmnxMobPdnSwuCauseCodeEntry</p> <p>Entry description: Each row entry represents a peer on the SWu reference point and contains cause code statistics for this peer on a card.</p> <p>Table description (for tmnxMobPdnSwuCauseCodeTable): The tmnxMobPdnSwuCauseCodeTable has an entry for each peer on the SWu reference point which is located between ePDG and AAA server/proxy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lteepdg.SwuReferencePoint</p>		
attESPropNtChosEA [Att ESProp Nt Chos EA] (tmnxMobPdnSwuCcAttESPropNtChosEA)	long	The value of tmnxMobPdnSwuCcAttESPropNtChosEA indicates the number of the rejected ePDG emergency attaches due to not chosen IKE SA proposal.
attTrafSelNoMatEA [Att Traf Sel No Mat EA] (tmnxMobPdnSwuCcAttTrafSelNoMatEA)	long	The value of tmnxMobPdnSwuCcAttTrafSelNoMatEA indicates the number of the rejected ePDG emergency attaches due to not matching traffic selector.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
ePDGESInvKEPayload [EPDGESInv KEPayload] (tmnxMobPdnSwuCcEpdESInvKEPayload)	long	The value of tmnxMobPdnSwuCcEpdESInvKEPayload indicates the number of the ePDG initiated re-keying rejects due to ESP SA invalid KE payload.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ePDGESPropNotChosen [EPDGESProp Not Chosen] (tmnxMobPdnSwuCcEpdESPropNotChosn)	long	The value of tmnxMobPdnSwuCcEpdESPropNotChosn indicates the number of the ePDG initiated re-keying rejects due to no ESP SA proposal chosen.
ePDGISInvKEPayload [EPDGISInv KEPayload] (tmnxMobPdnSwuCcEpdISInvKEPayload)	long	The value of tmnxMobPdnSwuCcEpdISInvKEPayload indicates the number of the ePDG initiated re-keying rejects due to IKE SA invalid KE payload.
ePDGISPropNotChosen [EPDGISProp Not Chosen] (tmnxMobPdnSwuCcEpdISPropNotChosn)	long	The value of tmnxMobPdnSwuCcEpdISPropNotChosn indicates the number of the ePDG initiated re-keying rejects due to no IKE SA proposal chosen.
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
epdESIgnoreRekey [Epd ESIgnore Rekey] (tmnxMobPdnSwuCcEpdESIgnoreRekey)	long	The value of tmnxMobPdnSwuCcEpdESIgnoreRekey indicates the number of UE initiated ESP-SA re-keying ignored by ePDG due to ESP re-keying being disabled.
epdISIgnoreRekey [Epd ISIgnore Rekey] (tmnxMobPdnSwuCcEpdISIgnoreRekey)	long	The value of tmnxMobPdnSwuCcEpdISIgnoreRekey indicates the number of UE initiated IKE-SA re-keying ignored by ePDG due to IKE re-keying being disabled.
mobRejInvalSrcAdr [Mob Rej Inval Src Adr] (tmnxMobPdnSwuCcMobRejInvalSrcAdr)	long	The value of tmnxMobPdnSwuCcMobRejInvalSrcAdr indicates the number of the MOBIKE rejects due to notification payload with status type UPDATE_SA_ADDRESSES received with invalid source address.
mobRejMobNotNegot [Mob Rej Mob Not Negot] (tmnxMobPdnSwuCcMobRejMobNotNegot)	long	The value of tmnxMobPdnSwuCcMobRejMobNotNegot indicates the number of the MOBIKE rejects due to notification payload with status type UPDATE_SA_ADDRESSES received while MOBIKE not negotiated.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mobRejRetRoutMism [Mob Rej Ret Rout Mism] (tmnxMobPdnSwuCcMobRejRetRoutMism)	long	The value of tmnxMobPdnSwuCcMobRejRetRoutMism indicates the number of the MOBIKE rejects due to return routability check failed due to request/response mismatch of notification payload with status type COOKIE2.
mobRejRetRoutT0 [Mob Rej Ret Rout T0] (tmnxMobPdnSwuCcMobRejRetRoutT0)	long	The value of tmnxMobPdnSwuCcMobRejRetRoutT0 indicates the number of the MOBIKE rejects due return routability check failed due to timeout.
rejectedePDGAttApnAccesDenied [Rejectede PDGAtt Apn Acces Denied] (tmnxMobPdnSwuCcAttApnAccesDenied)	long	The value of tmnxMobPdnSwuCcAttApnAccesDenied indicates the number of the rejected ePDG attaches due to no APN subscription in AAA server.
rejectedePDGAttESPPropNotChosen [Rejectede PDGAtt ESPProp Not Chosen] (tmnxMobPdnSwuCcAttESPPropNotChosn)	long	The value of tmnxMobPdnSwuCcAttESPPropNotChosn indicates the number of the rejected ePDG attaches due to not chosen ESP SA proposal.
rejectedePDGAttISInvalidKEPayload [Rejectede PDGAtt ISInvalid KEPayload] (tmnxMobPdnSwuCcAttISInvKEPayload)	long	The value of tmnxMobPdnSwuCcAttISInvKEPayload indicates the number of the rejected ePDG attaches due to IKE SA invalid KE payload.
rejectedePDGAttISPropNotChosen [Rejectede PDGAtt ISProp Not Chosen] (tmnxMobPdnSwuCcAttISPropNotChosn)	long	The value of tmnxMobPdnSwuCcAttISPropNotChosn indicates the number of the rejected ePDG attaches due to not chosen IKE SA proposal.
rejectedePDGAttPdnTypeNotSupp [Rejectede PDGAtt Pdn Type Not Supp] (tmnxMobPdnSwuCcAttPdnTypeNotSupp)	long	The value of tmnxMobPdnSwuCcAttPdnTypeNotSupp indicates the number of the rejected ePDG attaches due to not supported PDN type.
rejectedePDGAttTrafSelNoMatch [Rejectede PDGAtt Traf Sel No Match] (tmnxMobPdnSwuCcAttTrafSelNoMatch)	long	The value of tmnxMobPdnSwuCcAttTrafSelNoMatch indicates the number of the rejected ePDG attaches due to not matching traffic selector.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ueESInvKEPayload [Ue ESInv KEPayload] (tmnxMobPdnSwuCcUeESInvKEPayload)	long	The value of tmnxMobPdnSwuCcUeESInvKEPayload indicates the number of the UE initiated re-keying rejects due to ESP SA invalid KE payload.
ueESPropNotChosen [Ue ESProp Not Chosen] (tmnxMobPdnSwuCcUeESPropNotChosen)	long	The value of tmnxMobPdnSwuCcUeESPropNotChosen indicates the number of the UE initiated re-keying rejects due to no ESP SA proposal chosen.
ueISInvKEPayload [Ue ISInv KEPayload] (tmnxMobPdnSwuCcUeISInvKEPayload)	long	The value of tmnxMobPdnSwuCcUeISInvKEPayload indicates the number of the UE initiated re-keying rejects due to IKE SA invalid KE payload.
ueISPropNotChosen [Ue ISProp Not Chosen] (tmnxMobPdnSwuCcUeISPropNotChosen)	long	The value of tmnxMobPdnSwuCcUeISPropNotChosen indicates the number of the UE initiated re-keying rejects due to no IKE SA proposal chosen.
<p>SwuPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PDNGateway</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
numberOfAuthDevIdFail [Number Of Auth Dev Id Fail] (tmnxMobPdnSwuStIkeAuthDevIdFail)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeAuthDevIdFail indicates the number of IMEI/IMEISV responses from UE on IKE_AUTH message, in which IMEI/IMEISV is included but validation of received value fails.
numberOfAuthDevIdResp [Number Of Auth Dev Id Resp] (tmnxMobPdnSwuStIkeAuthDevIdResp)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeAuthDevIdResp indicates the number of IMEI/IMEISV responses from UE on IKE_AUTH message, in which IMEI/IMEISV is included.
numberOfEmergencyCallReq [Number Of Emergency Call Req] (tmnxMobPdnSwuStEmerCallReq)	java. math. BigInteger	The value of tmnxMobPdnSwuStEmerCallReq indicates the total number of Emergency Call Requests towards ePDG.
numberOfEpdgDelEspRekey [Number Of Epdg Del Esp Rekey] (tmnxMobPdnSwuStEpdgDelEspRekey)	java. math. BigInteger	The value of tmnxMobPdnSwuStEpdgDelEspRekey indicates the number of deleted ESP-SA that were initiated from ePDG due to IKE re-keying being disabled.
numberOfEpdgDelIkeRekey [Number Of Epdg Del Ike Rekey] (tmnxMobPdnSwuStEpdgDelIkeRekey)	java. math. BigInteger	The value of tmnxMobPdnSwuStEpdgDelIkeRekey indicates the number of deleted IKE-SA that were initiated from ePDG due to IKE re-keying being disabled.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfEspSAReKeyByEpdg [Number Of Esp SARe Key By Epdg] (tmnxMobPdnSwuStatEspSaRekeyEpdg)	java. math. BigInteger	The value of tmnxMobPdnSwuStatEspSaRekeyUE indicates the number of successful IKE-SA re-keys initiated by the ePDG.
numberOfEspSAReKeyByUE [Number Of Esp SARe Key By UE] (tmnxMobPdnSwuStatEspSaRekeyUE)	java. math. BigInteger	The value of tmnxMobPdnSwuStatEspSaRekeyUE indicates the number of successful IKE-SA re-keys initiated by the User Equipment.
numberOfEspSa [Number Of Esp Sa] (tmnxMobPdnSwuStatEspSa)	long	The value of tmnxMobPdnSwuStatEspSa indicates the number of Encapsulating Security Payload (ESP) Security Associations (SA).
numberOfEspSaEstablishd [Number Of Esp Sa Establishd] (tmnxMobPdnSwuStatEspSaEstablishd)	long	The value of tmnxMobPdnSwuStatEspSaEstablishd indicates the number of established ESP SA.
numberOfEspSaRekey [Number Of Esp Sa Rekey] (tmnxMobPdnSwuStatEspSaRekey)	long	The value of tmnxMobPdnSwuStatEspSaRekey indicates the number of ESP SA rekeys.
numberOfEspSaRekeyColis [Number Of Esp Sa Rekey Colis] (tmnxMobPdnSwuStatEspSaRekeyColis)	long	The value of tmnxMobPdnSwuStatEspSaRekeyColis indicates the number of collisions during ESP SA rekeying.
numberOfIkeAuthDevIdMiss [Number Of Ike Auth Dev Id Miss] (tmnxMobPdnSwuStIkeAuthDevIdMiss)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeAuthDevIdMiss indicates the number of IMEI/IMEISV responses from UE on IKE_AUTH message, in which IMEI/IMEISV is not included although ePDG requests.
numberOfIkeAuthDevIdReq [Number Of Ike Auth Dev Id Req] (tmnxMobPdnSwuStIkeAuthDevIdReq)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeAuthDevIdReq indicates the number of IMEI/IMEISV requests, on IKE_AUTH message, that are sent from ePDG to UE.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeDupRespMsg [Number Of Ike Dup Resp Msg] (tmnxMobPdnSwuStatIkeDupRespMsg)	long	The value of tmnxMobPdnSwuStatIkeDupRespMsg indicates the number of received duplicated IKE response messages.
numberOfIkeIkeSaInitExp [Number Of Ike Ike Sa Init Exp] (tmnxMobPdnSwuStatIkeIkeSaInitExp)	long	The value of tmnxMobPdnSwuStatIkeIkeSaInitExp indicates the number of expired IKE_SA_INIT exchanges.
numberOfIkeIntError [Number Of Ike Int Error] (tmnxMobPdnSwuStatIkeIntError)	long	The value of tmnxMobPdnSwuStatIkeIntError indicates the number of internal errors during processing of IKE messages.
numberOfIkeInvMsgHeader [Number Of Ike Inv Msg Header] (tmnxMobPdnSwuStatIkeInvMsgHeader)	long	The value of tmnxMobPdnSwuStatIkeInvMsgHeader indicates the number of IKE messages with invalid header format (syntax error).
numberOfIkeInvMsgLen [Number Of Ike Inv Msg Len] (tmnxMobPdnSwuStatIkeInvMsgLen)	long	The value of tmnxMobPdnSwuStatIkeInvMsgLen indicates the number of IKE messages with invalid length.
numberOfIkeInvPayloads [Number Of Ike Inv Payloads] (tmnxMobPdnSwuStatIkeInvPayloads)	long	The value of tmnxMobPdnSwuStatIkeInvPayloads indicates the number of IKE messages with invalid payload format (syntax error).
numberOfIkeInvRespMsg [Number Of Ike Inv Resp Msg] (tmnxMobPdnSwuStatIkeInvRespMsg)	long	The value of tmnxMobPdnSwuStatIkeInvRespMsg indicates the number of received invalid IKE response messages.
numberOfIkeLateReqRetx [Number Of Ike Late Req Retx] (tmnxMobPdnSwuStatIkeLateReqRetx)	long	The value of tmnxMobPdnSwuStatIkeLateReqRetx indicates the number of received late retransmissions of IKE messages.
numberOfIkeLocReqRetx [Number Of Ike Loc Req Retx] (tmnxMobPdnSwuStatIkeLocReqRetx)	long	The value of tmnxMobPdnSwuStatIkeLocReqRetx indicates the number of locally retransmitted request IKE messages.

Table 544 Ikeepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeManyLarvalIS [Number Of Ike Many Larval IS] (tmnxMobPdnSwuStatIkeManyLarvalIS)	long	The value of tmnxMobPdnSwuStatIkeManyLarvalIS indicates the number of discarded IKE messages due to high number of half-opened IKE SA for given peer.
numberOfIkeMsgAuthFail [Number Of Ike Msg Auth Fail] (tmnxMobPdnSwuStatIkeMsgAuthFail)	long	The value of tmnxMobPdnSwuStatIkeMsgAuthFail indicates the number of not authenticated IKE messages.
numberOfIkeNattKaInvLen [Number Of Ike Natt Ka Inv Len] (tmnxMobPdnSwuStatIkeNattKaInvLen)	long	The value of tmnxMobPdnSwuStatIkeNattKaInvLen indicates the number of IKE's NAT keep-alive messages with invalid length.
numberOfIkeNattNoEspMrk [Number Of Ike Natt No Esp Mrk] (tmnxMobPdnSwuStatIkeNattNoEspMrk)	long	The value of tmnxMobPdnSwuStatIkeNattNoEspMrk indicates the number of IKE messages with missing Non ESP marker.
numberOfIkeNoSkPayload [Number Of Ike No Sk Payload] (tmnxMobPdnSwuStatIkeNoSkPayload)	long	The value of tmnxMobPdnSwuStatIkeNoSkPayload indicates the number of received IKE messages with missing encryption payload.
numberOfIkeRemReqRetx [Number Of Ike Rem Req Retx] (tmnxMobPdnSwuStatIkeRemReqRetx)	long	The value of tmnxMobPdnSwuStatIkeRemReqRetx indicates the number of received retransmitted messages.
numberOfIkeReqMsgInvSpi [Number Of Ike Req Msg Inv Spi] (tmnxMobPdnSwuStatIkeReqMsgInvSpi)	long	The value of tmnxMobPdnSwuStatIkeReqMsgInvSpi indicates the number of IKE request messages with invalid Security Parameter Indexes (SPI).
numberOfIkeReqTimeout [Number Of Ike Req Timeout] (tmnxMobPdnSwuStatIkeReqTimeout)	long	The value of tmnxMobPdnSwuStatIkeReqTimeout indicates the number of unanswered request IKE messages.
numberOfIkeRspMsgInvSpi [Number Of Ike Rsp Msg Inv Spi] (tmnxMobPdnSwuStatIkeRspMsgInvSpi)	long	The value of tmnxMobPdnSwuStatIkeRspMsgInvSpi indicates the number of IKE response messages with invalid SPI.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeRxCrtChldReq [Number Of Ike Rx Crt Chld Req] (tmnxMobPdnSwuStatIkeRxCrtChldReq)	long	The value of tmnxMobPdnSwuStatIkeRxCrtChldReq indicates the number of received CREATE_CHILD_SA request messages.
numberOfIkeRxCrtChldRsp [Number Of Ike Rx Crt Chld Rsp] (tmnxMobPdnSwuStatIkeRxCrtChldRsp)	long	The value of tmnxMobPdnSwuStatIkeRxCrtChldRsp indicates the number of received CREATE_CHILD_SA response messages.
numberOfIkeRxDisc [Number Of Ike Rx Disc] (tmnxMobPdnSwuStatIkeRxDisc)	long	The value of tmnxMobPdnSwuStatIkeRxDisc indicates the number of received but discarded IKE messages.
numberOfIkeRxDiscardBF [Number Of Ike Rx Discard BF] (tmnxMobPdnSwuStIkeRxDiscardBF)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeRxDiscardBF indicates the number of IKE fragmentation received but discarded due to bad fragment.
numberOfIkeRxDiscardNFS [Number Of Ike Rx Discard NFS] (tmnxMobPdnSwuStIkeRxDiscardNFS)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeRxDiscardNFS indicates the number of IKE fragmentation received but discarded due to no fragmentation support.
numberOfIkeRxDiscardOF [Number Of Ike Rx Discard OF] (tmnxMobPdnSwuStIkeRxDiscardOF)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeRxDiscardOF indicates the number of IKE fragmentation received but discarded due to reassembly buffer overflow.
numberOfIkeRxDiscardTO [Number Of Ike Rx Discard TO] (tmnxMobPdnSwuStIkeRxDiscardTO)	java. math. BigInteger	The value of tmnxMobPdnSwuStIkeRxDiscardTO indicates the number of IKE fragmentation received but discarded due to reassembly time out.
numberOfIkeRxDpdReq [Number Of Ike Rx Dpd Req] (tmnxMobPdnSwuStatIkeRxDpdReq)	long	The value of tmnxMobPdnSwuStatIkeRxDpdReq indicates the number of received dead peer detection (informational exchange) request messages.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeRxDpdRsp [Number Of Ike Rx Dpd Rsp] (tmnxMobPdnSwuStatIkeRxDpdRsp)	long	The value of tmnxMobPdnSwuStatIkeRxDpdRsp indicates the number of received dead peer detection (informational exchange) response messages.
numberOfIkeRxFrag [Number Of Ike Rx Frag] (tmnxMobPdnSwuStatIkeRxFragNum)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIkeRxFragNum indicates the number of IKE fragmentation received.
numberOfIkeRxIkeAuthReq [Number Of Ike Rx Ike Auth Req] (tmnxMobPdnSwuStatIkeRxIkeAuthReq)	long	The value of tmnxMobPdnSwuStatIkeRxIkeAuthReq indicates the number of received IKE Authentication (IKE_AUTH) request messages.
numberOfIkeRxIkeInitReq [Number Of Ike Rx Ike Init Req] (tmnxMobPdnSwuStatIkeRxIkeInitReq)	long	The value of tmnxMobPdnSwuStatIkeRxIkeInitReq indicates the number of received IKE SA Initialization (IKE_SA_INIT) request messages.
numberOfIkeRxInfoReq [Number Of Ike Rx Info Req] (tmnxMobPdnSwuStatIkeRxInfoReq)	long	The value of tmnxMobPdnSwuStatIkeRxInfoReq indicates the number of received informational request messages.
numberOfIkeRxInfoRsp [Number Of Ike Rx Info Rsp] (tmnxMobPdnSwuStatIkeRxInfoRsp)	long	The value of tmnxMobPdnSwuStatIkeRxInfoRsp indicates the number of received informational response messages.
numberOfIkeRxMsg [Number Of Ike Rx Msg] (tmnxMobPdnSwuStatIkeRxMsg)	long	The value of tmnxMobPdnSwuStatIkeRxMsg indicates the number of received IKE messages.
numberOfIkeRxNattKa [Number Of Ike Rx Natt Ka] (tmnxMobPdnSwuStatIkeRxNattKa)	long	The value of tmnxMobPdnSwuStatIkeRxNattKa indicates the number of received Network Address Translation (NAT) Keep-alive IKE messages.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeSAReKeyByEpdg [Number Of Ike SARE Key By Epdg] (tmnxMobPdnSwuStatIkeSaRekeyEpdg)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIkeSaRekeyUE indicates the number of successful IKE-SA re-keys initiated by the ePDG.
numberOfIkeSAReKeyByUE [Number Of Ike SARE Key By UE] (tmnxMobPdnSwuStatIkeSaRekeyUE)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIkeSaRekeyUE indicates the number of successful IKE-SA re-keys initiated by the User Equipment.
numberOfIkeSa [Number Of Ike Sa] (tmnxMobPdnSwuStatIkeSa)	long	The value of tmnxMobPdnSwuStatIkeSa indicates the number of Internet Key Exchange (IKE) protocol Security Associations (SA).
numberOfIkeSaEstablishd [Number Of Ike Sa Establishd] (tmnxMobPdnSwuStatIkeSaEstablishd)	long	The value of tmnxMobPdnSwuStatIkeSaEstablishd indicates the number of established IKE SA.
numberOfIkeSaInitMsgNo0 [Number Of Ike Sa Init Msg No 0] (tmnxMobPdnSwuStatIkeSaInitMsgNo0)	long	The value of tmnxMobPdnSwuStatIkeSaInitMsgNo0 indicates the number of IKE_SA_INIT messages with non-zero message ID.
numberOfIkeSaRekey [Number Of Ike Sa Rekey] (tmnxMobPdnSwuStatIkeSaRekey)	long	The value of tmnxMobPdnSwuStatIkeSaRekey indicates the number of IKE SA rekeys.
numberOfIkeSaRekeyColis [Number Of Ike Sa Rekey Colis] (tmnxMobPdnSwuStatIkeSaRekeyColis)	long	The value of tmnxMobPdnSwuStatIkeSaRekeyColis indicates the number of collisions during IKE SA rekeying.
numberOfIkeStaleReqMsg [Number Of Ike Stale Req Msg] (tmnxMobPdnSwuStatIkeStaleReqMsg)	long	The value of tmnxMobPdnSwuStatIkeStaleReqMsg indicates the number of received retransmissions of too old IKE messages.

Table 544 Ikeepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeTxCrChldReq [Number Of Ike Tx Cr Chld Req] (tmnxMobPdnSwuStatIkeTxCrChldReq)	long	The value of tmnxMobPdnSwuStatIkeTxCrChldReq indicates the number of transmitted CREATE_CHILD_SA request IKE messages.
numberOfIkeTxCrChldRsp [Number Of Ike Tx Cr Chld Rsp] (tmnxMobPdnSwuStatIkeTxCrChldRsp)	long	The value of tmnxMobPdnSwuStatIkeTxCrChldRsp indicates the number of transmitted CREATE_CHILD_SA response IKE messages.
numberOfIkeTxDpdReq [Number Of Ike Tx Dpd Req] (tmnxMobPdnSwuStatIkeTxDpdReq)	long	The value of tmnxMobPdnSwuStatIkeTxDpdReq indicates the number of transmitted dead peer detection (informational exchange) request IKE messages.
numberOfIkeTxDpdResp [Number Of Ike Tx Dpd Resp] (tmnxMobPdnSwuStatIkeTxDpdResp)	long	The value of tmnxMobPdnSwuStatIkeTxDpdResp indicates the number of transmitted dead peer detection (informational exchange) response IKE messages.
numberOfIkeTxError [Number Of Ike Tx Error] (tmnxMobPdnSwuStatIkeTxError)	long	The value of tmnxMobPdnSwuStatIkeTxError indicates the number of unsuccessfully transmitted IKE messages.
numberOfIkeTxFrag [Number Of Ike Tx Frag] (tmnxMobPdnSwuStatIkeTxFragNum)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIkeTxFragNum indicates the number of IKE fragmentation transmitted.
numberOfIkeTxIkeAuthRsp [Number Of Ike Tx Ike Auth Rsp] (tmnxMobPdnSwuStatIkeTxIkeAuthRsp)	long	The value of tmnxMobPdnSwuStatIkeTxIkeAuthRsp indicates the number of transmitted IKE_AUTH response messages.
numberOfIkeTxIkeInitRsp [Number Of Ike Tx Ike Init Rsp] (tmnxMobPdnSwuStatIkeTxIkeInitRsp)	long	The value of tmnxMobPdnSwuStatIkeTxIkeInitRsp indicates the number of transmitted IKE_SA_INIT response messages.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIkeTxInfoReq [Number Of Ike Tx Info Req] (tmnxMobPdnSwuStatIkeTxInfoReq)	long	The value of tmnxMobPdnSwuStatIkeTxInfoReq indicates the number of transmitted informational request IKE messages.
numberOfIkeTxInfoResp [Number Of Ike Tx Info Resp] (tmnxMobPdnSwuStatIkeTxInfoResp)	long	The value of tmnxMobPdnSwuStatIkeTxInfoResp indicates the number of transmitted informational response IKE messages.
numberOfIkeTxMsg [Number Of Ike Tx Msg] (tmnxMobPdnSwuStatIkeTxMsg)	long	The value of tmnxMobPdnSwuStatIkeTxMsg indicates the number of transmitted IKE messages.
numberOfIkeTxNattKa [Number Of Ike Tx Natt Ka] (tmnxMobPdnSwuStatIkeTxNattKa)	long	The value of tmnxMobPdnSwuStatIkeTxNattKa indicates the number of transmitted NAT keep-alive IKE messages.
numberOfIpsInCrypImCfgKLn [Number Of Ips In Cryp Im Cfg KLn] (tmnxMobPdnSwuStIpsInCrypImCfgKLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInCrypImCfgKLn indicates the number of inbound packets with improper configuration key length for inbound packet decryption.
numberOfIpsInCrypImMacSec [Number Of Ips In Cryp Im Mac Sec] (tmnxMobPdnSwuStIpsInCrypImMacSec)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInCrypImMacSec indicates the number of inbound packets with improper length or format of MAC secret for inbound packet authentication.
numberOfIpsInCrypImprLen [Number Of Ips In Cryp Impr Len] (tmnxMobPdnSwuStIpsInCrypImprLen)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInCrypImprLen indicates the number of inbound packets with improper packet length for crypto function.
numberOfIpsInCrypInSslErr [Number Of Ips In Cryp In Ssl Err] (tmnxMobPdnSwuStIpsInCrypInSslErr)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInCrypInSslErr indicates the number of inbound packets with other inbound packet decryption/authentication failure.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsInCrypMissArgs [Number Of Ips In Cryp Miss Args] (tmnxMobPdnSwuStIpsInCrypMissArgs)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInCrypMissArgs indicates the number of inbound packets with improper/missing arguments for crypto function.
numberOfIpsInCrypAuthErr [Number Of Ips In Cryp Auth Err] (tmnxMobPdnSwuStIpsInCrypAuthErr)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInCrypAuthErr indicates the number of inbound packets with authentication error - invalid MAC address.
numberOfIpsInInvLclTepAdr [Number Of Ips In Inv Lcl Tep Adr] (tmnxMobPdnSwuStIpsInInvLclTepAdr)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInInvLclTepAdr indicates the number of received ESP packets with an invalid local tunnel endpoint address.
numberOfIpsInInvRmtTepAdr [Number Of Ips In Inv Rmt Tep Adr] (tmnxMobPdnSwuStIpsInInvRmtTepAdr)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsInInvRmtTepAdr indicates the number of received ESP packets with an invalid remote tunnel endpoint address.
numberOfIpsInbCryptoErr [Number Of Ips Inb Crypto Err] (tmnxMobPdnSwuStatIpsInbCryptoErr)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbCryptoErr indicates the number of inbound packets received with a crypto error.
numberOfIpsInbDupEspSeq [Number Of Ips Inb Dup Esp Seq] (tmnxMobPdnSwuStatIpsInbDupEspSeq)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbDupEspSeq indicates the number of received ESP packets with a duplicate ESP sequence number.
numberOfIpsInbInvEncap [Number Of Ips Inb Inv Encap] (tmnxMobPdnSwuStatIpsInbInvEncap)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvEncap indicates the number of received ESP packets with an invalid encapsulation.
numberOfIpsInbInvEspLen [Number Of Ips Inb Inv Esp Len] (tmnxMobPdnSwuStatIpsInbInvEspLen)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvEspLen indicates the number of received ESP packets with an invalid ESP length.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsInbInvEspSeq [Number Of Ips Inb Inv Esp Seq] (tmnxMobPdnSwuStatIpsInbInvEspSeq)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvEspSeq indicates the number of received ESP packets with an invalid ESP sequence number.
numberOfIpsInbInvEspSpi [Number Of Ips Inb Inv Esp Spi] (tmnxMobPdnSwuStatIpsInbInvEspSpi)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvEspSpi indicates the number of received ESP packets with an invalid ESP SPI.
numberOfIpsInbInvIpProt [Number Of Ips Inb Inv Ip Prot] (tmnxMobPdnSwuStatIpsInbInvIpProt)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvIpProt indicates the number of received ESP packets with an invalid IPv4 protocol.
numberOfIpsInbInvPadByt [Number Of Ips Inb Inv Pad Byt] (tmnxMobPdnSwuStatIpsInbInvPadByt)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvPadByt indicates the number of inbound packets received with an invalid pad byte.
numberOfIpsInbInvPadLen [Number Of Ips Inb Inv Pad Len] (tmnxMobPdnSwuStatIpsInbInvPadLen)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvPadLen indicates the number of inbound packets received with an invalid pad length.
numberOfIpsInbInvTepTyp [Number Of Ips Inb Inv Tep Typ] (tmnxMobPdnSwuStatIpsInbInvTepTyp)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbInvTepTyp indicates the number of received ESP packets with an invalid tunnel endpoint address type.
numberOfIpsInbSadbEntry [Number Of Ips Inb Sadb Entry] (tmnxMobPdnSwuStatIpsInbSadbEntry)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbSadbEntry indicates the number of received ESP packets with an invalid Security Associations Database (SADB) entry.
numberOfIpsInbSadbMiss [Number Of Ips Inb Sadb Miss] (tmnxMobPdnSwuStatIpsInbSadbMiss)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbSadbMiss indicates the number of received ESP packets with ESP SPI pointing to an inactive SA.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsInbStlEspSeq [Number Of Ips Inb Stl Esp Seq] (tmnxMobPdnSwuStatIpsInbStlEspSeq)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbStlEspSeq indicates the number of received ESP packets with a stale (outside the window) ESP sequence number.
numberOfIpsInbTxPackets [Number Of Ips Inb Tx Packets] (tmnxMobPdnSwuStatIpsInbTxPackets)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsInbTxPackets indicates the number of transmitted inbound ESP packets.
numberOfIpsOutCryImCfgKLn [Number Of Ips Out Cry Im Cfg KLn] (tmnxMobPdnSwuStIpsOutCryImCfgKLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutCryImCfgKLn indicates the number of outbound packets with improper configuration key length for outbound packet decryption.
numberOfIpsOutCryImMacSec [Number Of Ips Out Cry Im Mac Sec] (tmnxMobPdnSwuStIpsOutCryImMacSec)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutCryImMacSec indicates the number of outbound packets with improper length or format of MAC secret for outbound packet authentication.
numberOfIpsOutCryInSslErr [Number Of Ips Out Cry In Ssl Err] (tmnxMobPdnSwuStIpsOutCryInSslErr)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutCryInSslErr indicates the number of outbound packets with other outbound packet decryption/authentication failure.
numberOfIpsOutCrypImprLen [Number Of Ips Out Cryp Impr Len] (tmnxMobPdnSwuStIpsOutCrypImprLen)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutCrypImprLen indicates the number of outbound packets with improper packet length for crypto function.
numberOfIpsOutCrypMissArg [Number Of Ips Out Cryp Miss Arg] (tmnxMobPdnSwuStIpsOutCrypMissArg)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutCrypMissArg indicates the number of outbound packets with improper/missing arguments for crypto function.
numberOfIpsOutInvIp4HdrLn [Number Of Ips Out Inv Ip 4 Hdr Ln] (tmnxMobPdnSwuStIpsOutInvIp4HdrLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutInvIp4HdrLn indicates the number of outbound packets received with an invalid IPv4 header length.

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsOutInvIp6HdrLn [Number Of Ips Out Inv Ip 6 Hdr Ln] (tmnxMobPdnSwuStIpsOutInvIp6HdrLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutInvIp6HdrLn indicates the number of outbound packets received with an invalid IPv6 header length.
numberOfIpsOutInvIpProt [Number Of Ips Out Inv Ip Prot] (tmnxMobPdnSwuStatIpsOutInvIpProt)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsOutInvIpProt indicates the number of outbound packets received with an invalid IP protocol.
numberOfIpsOutInvSadbEntr [Number Of Ips Out Inv Sadb Entr] (tmnxMobPdnSwuStIpsOutInvSadbEntr)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutInvSadbEntr indicates the number of outbound packets received with an invalid SADB entry.
numberOfIpsOutInvUdpHdrLn [Number Of Ips Out Inv Udp Hdr Ln] (tmnxMobPdnSwuStIpsOutInvUdpHdrLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutInvUdpHdrLn indicates the number of outbound packets received with an invalid UDP header length.
numberOfIpsOutTxPackets [Number Of Ips Out Tx Packets] (tmnxMobPdnSwuStatIpsOutTxPackets)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsOutTxPackets indicates the number of transmitted outbound GTP packets.
numberOfIpsOutbCryptErr [Number Of Ips Outb Crypt Err] (tmnxMobPdnSwuStatIpsOutbCryptErr)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsOutbCryptErr indicates the number of outbound packets with a crypto error.
numberOfIpsOutbInvUdpPort [Number Of Ips Outb Inv Udp Port] (tmnxMobPdnSwuStIpsOutbInvUdpPort)	java. math. BigInteger	The value of tmnxMobPdnSwuStIpsOutbInvUdpPort indicates the number of outbound packets received with an invalid UDP port.
numberOfIpsOutbIpFrag [Number Of Ips Outb Ip Frag] (tmnxMobPdnSwuStatIpsOutbIpFrag)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsOutbIpFrag indicates the number of received fragmented outbound packets.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsOutbSadbMiss [Number Of Ips Outb Sadb Miss] (tmnxMobPdnSwuStatIpsOutbSadbMiss)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsOutbSadbMiss indicates the number of outbound packets received on an inactive SA.
numberOfIpsOutbZeroSeq [Number Of Ips Outb Zero Seq] (tmnxMobPdnSwuStatIpsOutbZeroSeq)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsOutbZeroSeq indicates the number of outbound packets received with zero sequence number.
numberOfIpsSecLockoutRej [Number Of Ipsc Lockout Rej] (tmnxMobPdnSwuStatIpscLockoutRej)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpscLockoutRej indicates the number of rejected attaches because user is in locked out state.
numberOfIpsmgInbIpFrag [Number Of Ipsmg Inb Ip Frag] (tmnxMobPdnSwuStatIpsmgInbIpFrag)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgInbIpFrag indicates the number of received fragmented ESP packets.
numberOfIpsmgInbRxBytes [Number Of Ipsmg Inb Rx Bytes] (tmnxMobPdnSwuStatIpsmgInbRxBytes)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgInbRxBytes indicates the number of received ESP bytes.
numberOfIpsmgInbRxPkts [Number Of Ipsmg Inb Rx Pkts] (tmnxMobPdnSwuStatIpsmgInbRxPkts)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgInbRxPkts indicates the number of received ESP packets.
numberOfIpsmgInterErr [Number Of Ipsmg Inter Err] (tmnxMobPdnSwuStatIpsmgInterErr)	long	The value of tmnxMobPdnSwuStatIpsmgInterErr indicates the number of received packets with an internal error.
numberOfIpsmgInvLen [Number Of Ipsmg Inv Len] (tmnxMobPdnSwuStatIpsmgInvLen)	long	The value of tmnxMobPdnSwuStatIpsmgInvLen indicates the number of received packets with invalid length (too short).

Table 544 lteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsmgInvPort [Number Of Ipsmg Inv Port] (tmnxMobPdnSwuStatIpsmgInvPort)	long	The value of tmnxMobPdnSwuStatIpsmgInvPort indicates the number of received IP packets on wrong internal port.
numberOfIpsmgIpExc [Number Of Ipsmg Ip Exc] (tmnxMobPdnSwuStatIpsmgIpExc)	long	The value of tmnxMobPdnSwuStatIpsmgIpExc indicates the number of received IP packets with an exception.
numberOfIpsmgL4Error [Number Of Ipsmg L4 Error] (tmnxMobPdnSwuStatIpsmgL4Error)	long	The value of tmnxMobPdnSwuStatIpsmgL4Error indicates the number of received IP packets with L4 error.
numberOfIpsmgNotIp [Number Of Ipsmg Not Ip] (tmnxMobPdnSwuStatIpsmgNotIp)	long	The value of tmnxMobPdnSwuStatIpsmgNotIp indicates the number of received non IP packets.
numberOfIpsmgOutbRxByte [Number Of Ipsmg Outb Rx Byte] (tmnxMobPdnSwuStatIpsmgOutbRxByte)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgOutbRxByte indicates the number of transmitted ESP bytes.
numberOfIpsmgOutbRxPkts [Number Of Ipsmg Outb Rx Pkts] (tmnxMobPdnSwuStatIpsmgOutbRxPkts)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgOutbRxPkts indicates the number of transmitted ESP packets.
numberOfIpsmgRcvError [Number Of Ipsmg Rcv Error] (tmnxMobPdnSwuStatIpsmgRcvError)	long	The value of tmnxMobPdnSwuStatIpsmgRcvError indicates the number of received packets with an error.
numberOfIpsmgRxBytes [Number Of Ipsmg Rx Bytes] (tmnxMobPdnSwuStatIpsmgRxBytes)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgRxBytes indicates the number of received ESP and GTP bytes.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfIpsmgRxPackets [Number Of Ipsmg Rx Packets] (tmnxMobPdnSwuStatIpsmgRxPackets)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgRxPackets indicates the number of received ESP and GTP packets.
numberOfIpsmgTxBytes [Number Of Ipsmg Tx Bytes] (tmnxMobPdnSwuStatIpsmgTxBytes)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgTxBytes indicates the number of transmitted ESP and GTP bytes.
numberOfIpsmgTxError [Number Of Ipsmg Tx Error] (tmnxMobPdnSwuStatIpsmgTxError)	long	The value of tmnxMobPdnSwuStatIpsmgTxError indicates the number of unsuccessfully transmitted packets from data plane card.
numberOfIpsmgTxPackets [Number Of Ipsmg Tx Packets] (tmnxMobPdnSwuStatIpsmgTxPackets)	java. math. BigInteger	The value of tmnxMobPdnSwuStatIpsmgTxPackets indicates the number of transmitted ESP and GTP packets.
numberOfLarvallkeSa [Number Of Larval Ike Sa] (tmnxMobPdnSwuStatLarvallkeSa)	long	The value of tmnxMobPdnSwuStatLarvallkeSa indicates the number of half-opened IKE SA.
numberOfRejAttachByBlackList [Number Of Rej Attach By Black List] (tmnxMobPdnSwuRejAttachByBlackLst)	java. math. BigInteger	The value of tmnxMobPdnSwuRejAttachByBlackLst indicates the number of the rejected attached caused by the black APN list.
numberOfRejAttachByWhiteList [Number Of Rej Attach By White List] (tmnxMobPdnSwuRejAttachByWhiteLst)	java. math. BigInteger	The value of tmnxMobPdnSwuRejAttachByWhiteLst indicates the number of the rejected attached caused by the white APN list.
numberOfInbInvlp4HdrLn [Number Ofs Inb Inv Ip 4 Hdr Ln] (tmnxMobPdnSwuStlpsInbInvlp4HdrLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStlpsInbInvlp4HdrLn indicates the number of received ESP packets with an invalid IPv4 header length.

Table 544 Iteepdg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfInbInvIp6HdrLn [Number Ofs Inb Inv Ip 6 Hdr Ln] (tmnxMobPdnSwuStlpsInbInvIp6HdrLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStlpsInbInvIp6HdrLn indicates the number of received ESP packets with an invalid IPv6 header length.
numberOfInbInvUdpHdrLn [Number Ofs Inb Inv Udp Hdr Ln] (tmnxMobPdnSwuStlpsInbInvUdpHdrLn)	java. math. BigInteger	The value of tmnxMobPdnSwuStlpsInbInvUdpHdrLn indicates the number of received ESP packets with an invalid UDP header length.
numberOfInbInvUdpPort [Number Ofs Inb Inv Udp Port] (tmnxMobPdnSwuStlpsInbInvUdpPort)	java. math. BigInteger	The value of tmnxMobPdnSwuStlpsInbInvUdpPort indicates the number of received ESP packets with an invalid UDP port.

Table 545 Iteggns statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CtrlRefPtGtpv1v0Stats</p> <p>MIB entry name: tmnxMobGwCtrlRefPtGtpv1v0StEntry</p> <p>Entry description: Each row entry represents a peer on the General Packet Radio Service (GPRS) Tunneling Protocol Version 1 (GTPv1) or Version 0 (GTPv0) Control plane (GTP-C) reference point and contains statistics for this peer on a card.</p> <p>Table description (for tmnxMobGwCtrlRefPtGtpv1v0StTable): The tmnxMobGwCtrlRefPtGtpv1v0StTable has an entry for each peer on the General Packet Radio Service (GPRS) Tunneling Protocol Version 1 (GTPv1) or Version 0 (GTPv0) Control plane (GTP-C) reference point served by a Serving GPRS Support Note (SGSN).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • Iteggns.GnPeer • Iteggns.GpPeer 		
pathMgmtFails [Path Mgmt Fails] (tmnxMobGwV1v0StatPathMgmtFails)	long	The value of tmnxMobGwV1v0StatPathMgmtFails indicates the number of path management failures for this peer.
peerRestartCount [Peer Restart Count] (tmnxMobGwV1v0StatPeerRestrtCount)	long	The value of tmnxMobGwV1v0StatPeerRestrtCount indicates the counter value that was received from this peer for the number of times this peer restarted.
peerRestarts [Peer Restarts] (tmnxMobGwV1v0StatPeerRestarts)	long	The value of tmnxMobGwV1v0StatPeerRestarts indicates the number of times this peer restarted after registering with the system.
recievedCreatePdpRequest [Recieved Create Pdp Request] (tmnxMobGwV1v0StatRxCrtpdpReq)	long	The value of tmnxMobGwV1v0StatRxCrtpdpReq indicates the number of create Packet Data Protocol (PDP) context request messages received from this peer.
recievedDeletePdpRequest [Recieved Delete Pdp Request] (tmnxMobGwV1v0StatRxDelPdpReq)	long	The value of tmnxMobGwV1v0StatRxDelPdpReq indicates the number of delete Packet Data Protocol (PDP) context request messages received from this peer.

Table 545 Itegsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
recievedDeletePdpResponseFail [Recieved Delete Pdp Response Fail] (tmnxMobGwV1v0StatRxDelPdpRspFail)	long	The value of tmnxMobGwV1v0StatRxDelPdpRspFail indicates the number of failed delete Packet Data Protocol (PDP) context response messages recieved from this peer.
recievedDeletePdpResponseSuccess [Recieved Delete Pdp Response Success] (tmnxMobGwV1v0StatRxDelPdpRspSucc)	long	The value of tmnxMobGwV1v0StatRxDelPdpRspSucc indicates the number of successful delete Packet Data Protocol (PDP) context response messages recieved from this peer.
recievedEchoRequests [Recieved Echo Requests] (tmnxMobGwV1v0StatRxEchoRequests)	long	The value of tmnxMobGwV1v0StatRxEchoRequests indicates the number of echo request messages received from this peer.
recievedEchoResponses [Recieved Echo Responses] (tmnxMobGwV1v0StatRxEchoResponses)	long	The value of tmnxMobGwV1v0StatRxEchoResponses indicates the number of echo response messages received from this peer.
recievedInitiatePdpResponseFail [Recieved Initiate Pdp Response Fail] (tmnxMobGwV1v0StatRxInPdpARspFail)	long	The value of tmnxMobGwV1v0StatRxInPdpARspFail indicates the number of failed initiate Packet Data Protocol (PDP) context activation response messages recieved from this peer.
recievedInitiatePdpResponseSuccess [Recieved Initiate Pdp Response Success] (tmnxMobGwV1v0StatRxInPdpARspSucc)	long	The value of tmnxMobGwV1v0StatRxInPdpARspSucc indicates the number of successful initiate Packet Data Protocol (PDP) context activation response messages recieved from this peer.
recievedMalformedPackets [Recieved Malformed Packets] (tmnxMobGwV1v0StatRxMalformedPkts)	long	The value of tmnxMobGwV1v0StatRxMalformedPkts indicates the number of malformed packets received from this peer.
recievedMissingInformation- ElementsPackets [Recieved Missing Information Elements Packets] (tmnxMobGwV1v0StatRxMissinglePkts)	long	The value of tmnxMobGwV1v0StatRxMissinglePkts indicates the number of messages with missing mandatory Information Elements (IE) received from this peer.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
recievedUnknownPackets [Recieved Unknown Packets] (tmnxMobGwV1v0StatRxUnknownPkts)	long	The value of tmnxMobGwV1v0StatRxUnknownPkts indicates the number of unknown message type packets received from this peer.
recievedUpdPdpRequest [Recieved Upd Pdp Request] (tmnxMobGwV1v0StatRxUpdPdpReq)	long	The value of tmnxMobGwV1v0StatRxUpdPdpReq indicates the number of update Packet Data Protocol (PDP) context request messages received from this peer.
recievedUpdPdpResponseFail [Recieved Upd Pdp Response Fail] (tmnxMobGwV1v0StatRxUpdPdpRspFail)	long	The value of tmnxMobGwV1v0StatRxUpdPdpRspFail indicates the number of failed update Packet Data Protocol (PDP) context response messages recieved from this peer.
recievedUpdPdpResponseSuccess [Recieved Upd Pdp Response Success] (tmnxMobGwV1v0StatRxUpdPdpRspSucc)	long	The value of tmnxMobGwV1v0StatRxUpdPdpRspSucc indicates the number of successful update Packet Data Protocol (PDP) context response messages recieved from this peer.
recordCount [Record Count] (tmnxMobGwV1v0StatRecordCount)	long	The value of tmnxMobGwV1v0StatRecordCount indicates the number of sessions that this peer maintains.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.
rxMsInfoChgNtfReq [Rx Ms Info Chg Ntf Req] (tmnxMobGwV1v0RxMsInfoChgNtfReq)	long	The value of tmnxMobGwV1v0RxMsInfoChgNtfReq indicates the number of MS Info Change Notification request messages received.
transmittedCreatePdpResponseFail [Transmitted Create Pdp Response Fail] (tmnxMobGwV1v0StatTxCrtpdpRspFail)	long	The value of tmnxMobGwV1v0StatTxCrtpdpRspFail indicates the number of failed create Packet Data Protocol (PDP) context response messages transmitted to this peer.

Table 545 Itegnsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedCreatePdpResponseSuccess [Transmitted Create Pdp Response Success] (tmnxMobGwV1v0StatTxCrtpdpRspSucc)	long	The value of tmnxMobGwV1v0StatTxCrtpdpRspSucc indicates the number of successful create Packet Data Protocol (PDP) context response messages transmitted to this peer.
transmittedDeletePdpRequest [Transmitted Delete Pdp Request] (tmnxMobGwV1v0StatTxDelPdpReq)	long	The value of tmnxMobGwV1v0StatTxDelPdpReq indicates the number of delete Packet Data Protocol (PDP) context request messages transmitted to this peer.
transmittedDeletePdpResponseFail [Transmitted Delete Pdp Response Fail] (tmnxMobGwV1v0StatTxDelPdpRspFail)	long	The value of tmnxMobGwV1v0StatTxDelPdpRspFail indicates the number of failed delete Packet Data Protocol (PDP) context response messages transmitted to this peer.
transmittedDeletePdpResponseSuccess [Transmitted Delete Pdp Response Success] (tmnxMobGwV1v0StatTxDelPdpRspSucc)	long	The value of tmnxMobGwV1v0StatTxDelPdpRspSucc indicates the number of successful delete Packet Data Protocol (PDP) context response messages transmitted to this peer.
transmittedEchoRequests [Transmitted Echo Requests] (tmnxMobGwV1v0StatTxEchoRequests)	long	The value of tmnxMobGwV1v0StatTxEchoRequests indicates the number of echo request messages transmitted to this peer.
transmittedEchoResponses [Transmitted Echo Responses] (tmnxMobGwV1v0StatTxEchoResponses)	long	The value of tmnxMobGwV1v0StatTxEchoResponses indicates the number of echo response messages transmitted to this peer.
transmittedInitiatePdpActivationRequest [Transmitted Initiate Pdp Activation Request] (tmnxMobGwV1v0StatTxInitPdpActReq)	long	The value of tmnxMobGwV1v0StatTxInitPdpActReq indicates the number of initiate Packet Data Protocol (PDP) context activation request messages transmitted to this peer.
transmittedUpdPdpRequest [Transmitted Upd Pdp Request] (tmnxMobGwV1v0StatTxUpdPdpReq)	long	The value of tmnxMobGwV1v0StatTxUpdPdpReq indicates the number of update Packet Data Protocol (PDP) context request messages transmitted to this peer.

Table 545 lteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUpdPdpResponseFail [Transmitted Upd Pdp Response Fail] (tmnxMobGwV1v0StatTxUpdPdpRspFail)	long	The value of tmnxMobGwV1v0StatTxUpdPdpRspFail indicates the number of failed update Packet Data Protocol (PDP) context response messages transmitted to this peer.
transmittedUpdPdpResponseSuccess [Transmitted Upd Pdp Response Success] (tmnxMobGwV1v0StatTxUpdPdpRspSucc)	long	The value of tmnxMobGwV1v0StatTxUpdPdpRspSucc indicates the number of successful update Packet Data Protocol (PDP) context response messages transmitted to this peer.
txMsInfoChgNtfRsp [Tx Ms Info Chg Ntf Rsp] (tmnxMobGwV1v0TxMsInfoChgNtfRsp)	long	The value of tmnxMobGwV1v0TxMsInfoChgNtfRsp indicates the number of successful MS Info Change Notification response messages sent.
txMsInfoChgNtfRspFI [Tx Ms Info Chg Ntf Rsp FI] (tmnxMobGwV1v0TxMsInfoChgNtfRspFI)	long	The value of tmnxMobGwV1v0TxMsInfoChgNtfRspFI indicates the number of unsuccessful MS Info Change Notification response messages sent.
txUpdPdpReqErrInd [Tx Upd Pdp Req Err Ind] (tmnxMobGwV1v0TxUpdPdpReqErrInd)	long	The value of tmnxMobGwV1v0TxUpdPdpReqErrInd indicates the number of update Packet Data Protocol (PDP) context request messages with error indications that are transmitted to this peer.
type [Type] (tmnxMobGwSigRefPtType)	int	The value of tmnxMobGwSigRefPtType specifies the type of this reference point.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GyFailureCodeStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteggsn.GyPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
diameterAuthRejected [Diameter Auth Rejected] (tmnxMobPdnGyCcDiaAuthRejected)	long	The value of tmnxMobPdnGyCcDiaAuthRejected indicates the number of service requests for which the user could not be authorized.
diameterCreditControlNotApplicable [Diameter Credit Control Not Applicable] (tmnxMobPdnGyCcDiaCreditCtrlINA)	long	The value of tmnxMobPdnGyCcDiaCreditCtrlINA indicates the number of service requests granted to the end user but with no further credit-control is needed.
diameterCreditLimitReached [Diameter Credit Limit Reached] (tmnxMobPdnGyCcDiaCrLimitReached)	long	The value of tmnxMobPdnGyCcDiaCrLimitReached indicates the number of denied service requests because the end user's account could not cover the requested service.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
diameterEndUserServiceDenied [Diameter End User Service Denied] (tmnxMobPdnGyCcDiaEndUsrSrvDenied)	long	The value of tmnxMobPdnGyCcDiaEndUsrSrvDenied indicates the number of denied service requests due to service restriction from the credit-control server.
diameterRatingFailed [Diameter Rating Failed] (tmnxMobPdnGyCcDiaRatingFailed)	long	The value of tmnxMobPdnGyCcDiaRatingFailed indicates the number of service requests for which credit-control server can not rate the service request due to insufficient rating input, an incorrect Attribute Value Pair (AVP) combination, or an AVP or an AVP value that is not recognized or supported in the rating.
diameterUnableToComply [Diameter Unable To Comply] (tmnxMobPdnGyCcDiaUnableToComply)	long	The value of tmnxMobPdnGyCcDiaUnableToComply indicates the number of service requests rejected for unspecified reasons.
diameterUnknownSessionId [Diameter Unknown Session Id] (tmnxMobPdnGyCcDiaUnknSessionId)	long	The value of tmnxMobPdnGyCcDiaUnknSessionId indicates the number of service requests which contained an unknown session identifier.
diameterUserUnknown [Diameter User Unknown] (tmnxMobPdnGyCcDiaUserUnknown)	long	The value of tmnxMobPdnGyCcDiaUserUnknown indicates the number of service requests with unknown end user in the credit-control server.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
msscCrLimitReached [Mssc Cr Limit Reached] (tmnxMobPdnGyCcMsscCrLimitReached)	long	The value of tmnxMobPdnGyCcMsscCrLimitReached indicates the number of denied service requests received within a MSCC AVP because the end user's account could not cover the requested service.
msscCreditCtrlINA [Mssc Credit Ctrl NA] (tmnxMobPdnGyCcMsscCreditCtrlINA)	long	The value of tmnxMobPdnGyCcMsscCreditCtrlINA indicates the number of service requests granted to the end user but with no further credit control is needed within a MSCC AVP.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
msscOther3XXX [Mssc Other 3 XXX] (tmnxMobPdnGyCcMsscOther3XXX)	long	The value of tmnxMobPdnGyCcMsscOther3XXX indicates the number of service requests received within a Multiple Services Credit Control (MSCC) Attribute Value Pair (AVP) with the other protocol failures defined in 3gpp standards.
msscOther4XXX [Mssc Other 4 XXX] (tmnxMobPdnGyCcMsscOther4XXX)	long	The value of tmnxMobPdnGyCcMsscOther4XXX indicates the number of service requests received within a MSCC AVP with other transient failures defined in 3gpp standards.
msscOther5XXX [Mssc Other 5 XXX] (tmnxMobPdnGyCcMsscOther5XXX)	long	The value of tmnxMobPdnGyCcMsscOther5XXX indicates the number of service requests received within a MSCC AVP with other permanent failures defined in 3gpp standards.
msscRatingFailed [Mssc Rating Failed] (tmnxMobPdnGyCcMsscRatingFailed)	long	The value of tmnxMobPdnGyCcMsscRatingFailed indicates the number of service requests received within a MSCC AVP for which credit control server can not rate the service request due to insufficient rating input, an incorrect Attribute Value Pair (AVP) combination, or an AVP or an AVP value that is not recognized or supported in the rating.
msscUsrSrvDenied [Mssc Usr Srv Denied] (tmnxMobPdnGyCcMsscUsrSrvDenied)	long	The value of tmnxMobPdnGyCcMsscUsrSrvDenied indicates the number of denied service requests received within a Multiple Services Credit Control (MSCC) Attribute Value Pair (AVP) due to the service restriction from the credit-control server.
other3xxx [Other 3 xxx] (tmnxMobPdnGyCcOther3XXX)	long	The value of tmnxMobPdnGyCcOther3XXX indicates the number of service requests with other protocol failures defined in 3gpp standards.
other4xxx [Other 4 xxx] (tmnxMobPdnGyCcOther4XXX)	long	The value of tmnxMobPdnGyCcOther4XXX indicates the number of service requests with other transient failures defined in 3gpp standards.

Table 545 Itegn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
other5xxx [Other 5 xxx] (tmnxMobPdnGyCcOther5XXX)	long	The value of tmnxMobPdnGyCcOther5XXX indicates the number of service requests with other permanent failures defined in 3gpp standards.
peerIpAddress [Peer Ip Address] (tmnxMobPdnGyPeerAddress)	String	The value of tmnxMobPdnGyPeerAddress indicates the IP address of the peer on Gy reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnGyPeerAddressType)	int	The value of tmnxMobPdnGyPeerAddressType indicates the type of address represented by tmnxMobPdnGyPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobPdnGyPeerPort)	int	The value of tmnxMobPdnGyPeerPort indicates the port number of this peer.
pgwDiameterAdministrative [Pgw Diameter Administrative] (tmnxMobPdnGyCcDiaAdministrative)	long	The value of tmnxMobPdnGyCcDiaAdministrative indicates the number of users were not granted access, or were disconnected, due to administrative reasons, such as the receipt of a Abort-Session-Request message.
pgwDiameterBadAnswer [Pgw Diameter Bad Answer] (tmnxMobPdnGyCcDiaBadAnswer)	long	The value of tmnxMobPdnGyCcDiaBadAnswer indicates the number of the authorization answers received by the access device were not processed successfully.
pgwDiameterUnableToComply [Pgw Diameter Unable To Comply] (tmnxMobPdnGyCcPgwDiaUnblToComply)	long	The value of tmnxMobPdnGyCcPgwDiaUnblToComply indicates the number of Credit Control Requests (CCR) rejected for unspecified reasons which were sent by the Packet Data Network Gateway (PGW) or Gateway GPRS Service Node (GGSN).
pgwDiameterUnknownSessionId [Pgw Diameter Unknown Session Id] (tmnxMobPdnGyCcPgwDiaUnknSessId)	long	The value of tmnxMobPdnGyCcPgwDiaUnknSessId indicates the number of Credit Control Requests (CCR) which contained an unknown session identifier which were sent by the Packet Data Network Gateway (PGW) or Gateway GPRS Service Node (GGSN).

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>GyPeerStats MIB entry name: tmnxMobPdnGyStatEntry Entry description: Each row entry represents a peer on the Gy reference point and contain statistics for this peer on a card. Table description (for tmnxMobPdnGyStatTable): The tmnxMobPdnGyStatTable has an entry for each peer on the Gy reference point served by a Packet Data Network Gateway (PGW). Supports realtime plotting Supports scheduled collection Monitored class: Iteggsn.GyPeer</p>		
abortSessionAnswerMsgsTransmitted [Abort Session Answer Msgs Transmitted] (tmnxMobPdnGyStatAsaMsgTx)	long	The value of tmnxMobPdnGyStatAsaMsgTx indicates the number of Abort Session Answer (ASA) messages transmitted.
abortSessionAnswerNegativeAckMsgsTransmitted [Abort Session Answer Negative Ack Msgs Transmitted] (tmnxMobPdnGyStatAsaNackMsgTx)	long	The value of tmnxMobPdnGyStatAsaNackMsgTx indicates the number of Abort Session Answer (ASA) negative acknowledgement messages transmitted.
abortSessionRequestMalformedPktsReceived [Abort Session Request Malformed Pkts Received] (tmnxMobPdnGyStatAsrMalfPktRx)	long	The value of tmnxMobPdnGyStatAsrMalfPktRx indicates the number of Abort Session Request (ASR) malformed packets received.

Table 545 Itegnsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
abortSessionRequestMsgsReceived [Abort Session Request Msgs Received] (tmnxMobPdnGyStatAsrMsgRx)	long	The value of tmnxMobPdnGyStatAsrMsgRx indicates the number of Abort Session Request (ASR) messages received.
abortSessionRequestUnknownP- ktsReceived [Abort Session Request Unknown Pkts Received] (tmnxMobPdnGyStatAsrUnkPktRx)	long	The value of tmnxMobPdnGyStatAsrUnkPktRx indicates the number of Abort Session Request (ASR) unknown packets received.
capabilitiesExchangeRequest- MsgsReceivedFromThisPeer [Capabilities Exchange Request Msgs Received From This Peer] (tmnxMobPdnGyStatRxCea)	long	The value of tmnxMobPdnGyStatRxCea indicates the number of Capabilities Exchange Answer (CEA) messages received from this peer.
capabilitiesExchangeRequest- MsgsTransmittedToThisPeer [Capabilities Exchange Request Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxCer)	long	The value of tmnxMobPdnGyStatTxCer indicates the number of Capabilities Exchange Request (CER) messages transmitted to this peer.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
connectionsAttemptedToThisPeer [Connections Attempted To This Peer] (tmnxMobPdnGyStatConnAttempts)	long	The value of tmnxMobPdnGyStatConnAttempts indicates the number of connections attempted to this peer.

Table 545 Itegsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlAnswerInitialMalformedPktsReceived [Credit Control Answer Initial Malformed Pkts Received] (tmnxMobPdnGyStatCCAInitMalfPktRx)	long	The value of tmnxMobPdnGyStatCCAInitMalfPktRx indicates the number of Credit Control Answer (CCA) initial malformed packets received.
creditControlAnswerInitialMsgRequestsReceived [Credit Control Answer Initial Msg Requests Received] (tmnxMobPdnGyStatCcalInitialMsgRx)	long	The value of tmnxMobPdnGyStatCcalInitialMsgRx indicates the number of Credit Control Answer (CCA) initial message requests received.
creditControlAnswerInitialUnknownPktsReceived [Credit Control Answer Initial Unknown Pkts Received] (tmnxMobPdnGyStatCcalInitUnkPktRx)	long	The value of tmnxMobPdnGyStatCcalInitUnkPktRx indicates the number of Credit Control Answer (CCA) initial unknown packets received.
creditControlAnswerTerminationMalformedPktsReceived [Credit Control Answer Termination Malformed Pkts Received] (tmnxMobPdnGyStatCCATermMalfPktRx)	long	The value of tmnxMobPdnGyStatCCATermMalfPktRx indicates the number of Credit Control Answer (CCA) termination malformed packets received.
creditControlAnswerTerminationMsgRequestsReceived [Credit Control Answer Termination Msg Requests Received] (tmnxMobPdnGyStatCcaTermMsgRx)	long	The value of tmnxMobPdnGyStatCcaTermMsgRx indicates the number of Credit Control Answer (CCA) termination message requests received.
creditControlAnswerTerminationUnknownPktsReceived [Credit Control Answer Termination Unknown Pkts Received] (tmnxMobPdnGyStatCcaTermUnkPktRx)	long	The value of tmnxMobPdnGyStatCcaTermUnkPktRx indicates the number of Credit Control Answer (CCA) termination unknown packets received.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlAnswerUpdateMalformedPktsReceived [Credit Control Answer Update Malformed Pkts Received] (tmnxMobPdnGyStatCCAUpdtMalfPktRx)	long	The value of tmnxMobPdnGyStatCCAUpdtMalfPktRx indicates the number of Credit Control Answer (CCA) update malformed packets received.
creditControlAnswerUpdateMsgRequestsReceived [Credit Control Answer Update Msg Requests Received] (tmnxMobPdnGyStatCcaUpdateMsgRx)	long	The value of tmnxMobPdnGyStatCcaUpdateMsgRx indicates the number of Credit Control Answer (CCA) update message requests received.
creditControlAnswerUpdateUnknownPktsReceived [Credit Control Answer Update Unknown Pkts Received] (tmnxMobPdnGyStatCcaUpdUnkPktRx)	long	The value of tmnxMobPdnGyStatCcaUpdUnkPktRx indicates the number of Credit Control Answer (CCA) update unknown packets received.
creditControlRequestInitialMsgRequestsFailed [Credit Control Request Initial Msg Requests Failed] (tmnxMobPdnGyStatCcrInitMsgFails)	long	The value of tmnxMobPdnGyStatCcrInitMsgFails indicates the number of Credit Control Request (CCR) initial message requests failed.
creditControlRequestInitialMsgRequestsTransmitted [Credit Control Request Initial Msg Requests Transmitted] (tmnxMobPdnGyStatCcrInitialMsgTx)	long	The value of tmnxMobPdnGyStatCcrInitialMsgTx indicates the number of Credit Control Request (CCR) initial message requests transmitted.
creditControlRequestMsgRequestsDenied [Credit Control Request Msg Requests Denied] (tmnxMobPdnGyStatCcrDenied)	long	The value of tmnxMobPdnGyStatCcrDenied indicates the number of Credit Control Request (CCR) message requests denied.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
creditControlRequestMsgRequestsGranted [Credit Control Request Msg Requests Granted] (tmnxMobPdnGyStatCcrGranted)	long	The value of tmnxMobPdnGyStatCcrGranted indicates the number of Credit Control Request (CCR) message requests granted.
creditControlRequestTerminationMsgRequestsFailed [Credit Control Request Termination Msg Requests Failed] (tmnxMobPdnGyStatCcrTermMsgFails)	long	The value of tmnxMobPdnGyStatCcrTermMsgFails indicates the number of Credit Control Request (CCR) termination message requests failed.
creditControlRequestTerminationMsgRequestsTransmitted [Credit Control Request Termination Msg Requests Transmitted] (tmnxMobPdnGyStatCcrTermMsgTx)	long	The value of tmnxMobPdnGyStatCcrTermMsgTx indicates the number of Credit Control Request (CCR) termination message requests transmitted.
creditControlRequestUpdateMsgRequestsFailed [Credit Control Request Update Msg Requests Failed] (tmnxMobPdnGyStatCcrUpdMsgFails)	long	The value of tmnxMobPdnGyStatCcrUpdMsgFails indicates the number of Credit Control Request (CCR) update message requests failed.
creditControlRequestUpdateMsgRequestsTransmitted [Credit Control Request Update Msg Requests Transmitted] (tmnxMobPdnGyStatCcrUpdateMsgTx)	long	The value of tmnxMobPdnGyStatCcrUpdateMsgTx indicates the number of Credit Control Request (CCR) update message requests transmitted.
deviceWatchdogAnswerMsgsReceivedToThisPeer [Device Watchdog Answer Msgs Received To This Peer] (tmnxMobPdnGyStatRxDwa)	long	The value of tmnxMobPdnGyStatRxDwa indicates the number of Device Watchdog Answer (DWA) messages received from this peer.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deviceWatchdogAnswerMsgsTransmittedToThisPeer [Device Watchdog Answer Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxDwa)	long	The value of tmnxMobPdnGyStatTxDwa indicates the number of Device Watchdog Answer (DWA) messages transmitted to this peer.
deviceWatchdogRequestMsgsReceivedFromThisPeer [Device Watchdog Request Msgs Received From This Peer] (tmnxMobPdnGyStatRxDwr)	long	The value of tmnxMobPdnGyStatRxDwr indicates the number of Device Watchdog Request (DWR) messages received from this peer.
deviceWatchdogRequestMsgsTransmittedToThisPeer [Device Watchdog Request Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxDwr)	long	The value of tmnxMobPdnGyStatTxDwr indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.
disconnectPeerAnswerMsgsReceivedFromThisPeer [Disconnect Peer Answer Msgs Received From This Peer] (tmnxMobPdnGyStatRxDpa)	long	The value of tmnxMobPdnGyStatRxDpa indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.
disconnectPeerAnswerMsgsTransmittedToThisPeer [Disconnect Peer Answer Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxDpa)	long	The value of tmnxMobPdnGyStatTxDpa indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
disconnectPeerRequestMsgsReceivedFromThisPeer [Disconnect Peer Request Msgs Received From This Peer] (tmnxMobPdnGyStatRxDpr)	long	The value of tmnxMobPdnGyStatRxDpr indicates the number of Disconnect Peer Request (DPR) messages received from this peer.

Table 545 Itegnsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
disconnectPeerRequestMsgsTransmittedToThisPeer [Disconnect Peer Request Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxDpr)	long	The value of tmnxMobPdnGyStatTxDpr indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
failedConnectionsWithThisPeer [Failed Connections With This Peer] (tmnxMobPdnGyStatConnFailures)	long	The value of tmnxMobPdnGyStatConnFailures indicates the number of failed connections with this peer.
invalidCapabilitiesExchangeAnswerMsgsReceivedFromThisPeer [Invalid Capabilities Exchange Answer Msgs Received From This Peer] (tmnxMobPdnGyStatRxInvalidCea)	long	The value of tmnxMobPdnGyStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
malformedPktsReceived [Malformed Pkts Received] (tmnxMobPdnGyStatMalformedPktsRx)	long	The value of tmnxMobPdnGyStatMalformedPktsRx indicates the number of malformed packets received.
missingAttributeValuePairPktsReceived [Missing Attribute Value Pair Pkts Received] (tmnxMobPdnGyStatMissingAvpPktRx)	long	The value of tmnxMobPdnGyStatMissingAvpPktRx indicates the number of missing Attribute Value Pair (AVP) packets received.
missingAvpPktsReceivedForAsrMsg [Missing Avp Pkts Received For Asr Msg] (tmnxMobPdnGyStatAsrMisAvpPktRx)	long	The value of tmnxMobPdnGyStatAsrMisAvpPktRx indicates the number of missing Attribute Value Pair (AVP) packets received for Abort Session Request (ASR) message.

Table 545 Itegn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
missingAvpPktsReceivedForCcaInitialMsg [Missing Avp Pkts Received For Cca Initial Msg] (tmnxMobPdnGyStatCcaMisAvpPktRx)	long	The value of tmnxMobPdnGyStatCcaMisAvpPktRx indicates the number of missing Attribute Value Pair (AVP) packets received for Credit Control Answer (CCA) initial message.
missingAvpPktsReceivedForCca-TerminationMsg [Missing Avp Pkts Received For Cca Termination Msg] (tmnxMobPdnGyStatCcaTMisAvpPktRx)	long	The value of tmnxMobPdnGyStatCcaTMisAvpPktRx indicates the number of missing Attribute Value Pair (AVP) packets received for Credit Control Answer (CCA) termination message.
missingAvpPktsReceivedForCcaUpdateMsg [Missing Avp Pkts Received For Cca Update Msg] (tmnxMobPdnGyStatCcaUMisAvpPktRx)	long	The value of tmnxMobPdnGyStatCcaUMisAvpPktRx indicates the number of missing Attribute Value Pair (AVP) packets received for Credit Control Answer (CCA) update message.
missingAvpPktsReceivedForRarMsg [Missing Avp Pkts Received For Rar Msg] (tmnxMobPdnGyStatRarMisAvpPktRx)	long	The value of tmnxMobPdnGyStatRarMisAvpPktRx indicates the number of missing Attribute Value Pair (AVP) packets received for Re-authorization Request (RAR) message.
msgsReceivedFromThisPeer [Msgs Received From This Peer] (tmnxMobPdnGyStatRxMsgs)	long	The value of tmnxMobPdnGyStatRxMsgs indicates the total number of messages received from this peer.
msgsTransmittedToThisPeer [Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxMsgs)	long	The value of tmnxMobPdnGyStatTxMsgs indicates the total number of messages transmitted to this peer.
noOfActiveGySessionsOnThisPeer [No Of Active Gy Sessions On This Peer] (tmnxMobPdnGyStatActiveSessions)	long	The value of tmnxMobPdnGyStatActiveSessions indicates the number of active Gy sessions on this peer.
numASAMsgDroppedCurrCongestion [Num ASAMsg Dropped Curr Congestion] (tmnxMobPdnGyStatCurrCgAsaMsg)	long	The value of tmnxMobPdnGyStatCurrCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the current congestion.

Table 545 Itegsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numASAMsgDroppedPrevCongestion [Num ASAMsg Dropped Prev Congestion] (tmnxMobPdnGyStatPrevCgAsaMsg)	long	The value of tmnxMobPdnGyStatPrevCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the prior congestion.
numApplRgFuiRa [Num Appl Rg Fui Ra] (tmnxMobPdnGyStatApplRgFuiRa)	java. math. BigInteger	The value of tmnxMobPdnGyStatApplRgFuiRa indicates the number of RG instances with Final Unit Indication (FUI) restrict action applied.
numApplRgFuiRed [Num Appl Rg Fui Red] (tmnxMobPdnGyStatApplRgFuiRed)	java. math. BigInteger	The value of tmnxMobPdnGyStatApplRgFuiRed indicates the number of RG instances with Final Unit Indication (FUI) redirect action applied.
numApplRgFuiTer [Num Appl Rg Fui Ter] (tmnxMobPdnGyStatApplRgFuiTer)	java. math. BigInteger	The value of tmnxMobPdnGyStatApplRgFuiTer indicates the number of RG instances with Final Unit Indication (FUI) terminate action applied.
numCCRIMsgDroppedCurrCongestion [Num CCRIMsg Dropped Curr Congestion] (tmnxMobPdnGyStatCurrCgCcrIMsg)	long	The value of tmnxMobPdnGyStatCurrCgCcrIMsg indicates the number of Credit Control Request (CCR) Initial messages to this peer dropped during the current congestion.
numCCRIMsgDroppedPrevCongestion [Num CCRIMsg Dropped Prev Congestion] (tmnxMobPdnGyStatPrevCgCcrIMsg)	long	The value of tmnxMobPdnGyStatPrevCgCcrIMsg indicates the number of Credit Control Request (CCR) Initial messages to this peer dropped during the prior congestion.
numCCRTMsgDroppedCurrCongestion [Num CCRTMsg Dropped Curr Congestion] (tmnxMobPdnGyStatCurrCgCcrTMsg)	long	The value of tmnxMobPdnGyStatCurrCgCcrTMsg indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the current congestion.
numCCRTMsgDroppedPrevCongestion [Num CCRTMsg Dropped Prev Congestion] (tmnxMobPdnGyStatPrevCgCcrTMsg)	long	The value of tmnxMobPdnGyStatPrevCgCcrTMsg indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the prior congestion.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numCCRUMsgDroppedCurrCongestion [Num CCRUMsg Dropped Curr Congestion] (tmnxMobPdnGyStatCurrCgCcrUMsg)	long	The value of tmnxMobPdnGyStatCurrCgCcrUMsg indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the current congestion.
numCCRUMsgDroppedPrevCongestion [Num CCRUMsg Dropped Prev Congestion] (tmnxMobPdnGyStatPrevCgCcrUMsg)	long	The value of tmnxMobPdnGyStatPrevCgCcrUMsg indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the prior congestion.
numCcrEMsgFail [Num Ccr EMsg Fail] (tmnxMobPdnGyStatCcrEMsgFail)	long	The value of tmnxMobPdnGyStatCcrEMsgFail indicates the number of Credit Control Request (CCR) Event message requests failed.
numCmdLvlFuiRed [Num Cmd Lvl Fui Red] (tmnxMobPdnGyStatCmdLvlFuiRed)	java. math. BigInteger	The value of tmnxMobPdnGyStatCmdLvlFuiRed indicates the number of command level Final Unit Indication (FUI) redirect action.
numPendingMsgCurrCongestion [Num Pending Msg Curr Congestion] (tmnxMobPdnGyStatCurrCgPendMsg)	long	The value of tmnxMobPdnGyStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.
numRAAMsgDroppedCurrCongestion [Num RAAMsg Dropped Curr Congestion] (tmnxMobPdnGyStatCurrCgRaaMsg)	long	The value of tmnxMobPdnGyStatCurrCgRaaMsg indicates the number of Re-authorization Answer (RAA) messages to this peer dropped during the current congestion.
numRAAMsgDroppedPrevCongestion [Num RAAMsg Dropped Prev Congestion] (tmnxMobPdnGyStatPrevCgRaaMsg)	long	The value of tmnxMobPdnGyStatPrevCgRaaMsg indicates the number of Re-authorization Answer (RAA) messages to this peer dropped during the prior congestion.
numRcvdRgFuiRa [Num Rcvd Rg Fui Ra] (tmnxMobPdnGyStatRcvdRgFuiRa)	java. math. BigInteger	The value of tmnxMobPdnGyStatRcvdRgFuiRa indicates the number of RG instances with Final Unit Indication (FUI) restrict action received.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numRcvdRgFuiRed [Num Rcvd Rg Fui Red] (tmnxMobPdnGyStatRcvdRgFuiRed)	java. math. BigInteger	The value of tmnxMobPdnGyStatRcvdRgFuiRed indicates the number of RG instances with Final Unit Indication (FUI) redirect action received.
numRcvdRgFuiTer [Num Rcvd Rg Fui Ter] (tmnxMobPdnGyStatRcvdRgFuiTer)	java. math. BigInteger	The value of tmnxMobPdnGyStatRcvdRgFuiTer indicates the number of RG instances with Final Unit Indication (FUI) terminate action received.
numReTxCCRMsg [Num Re Tx Ccr EMsg] (tmnxMobPdnGyStatReTxCCRMsg)	long	The value of tmnxMobPdnGyStatReTxCCRMsg indicates the number of Credit Control Request (CCR) Event messages re-transmitted to this peer.
numReTxCCRInitial [Num Re Tx Ccr Initial] (tmnxMobPdnGyStatReTxCCRInitial)	long	The value of tmnxMobPdnGyStatReTxCCRInitial indicates the number of Credit Control Request (CCR) Initial messages re-transmitted to this peer.
numReTxCCRTerm [Num Re Tx Ccr Term] (tmnxMobPdnGyStatReTxCCRTerm)	long	The value of tmnxMobPdnGyStatReTxCCRTerm indicates the number of Credit Control Request (CCR) Termination messages re-transmitted to this peer.
numReTxCCRUpdate [Num Re Tx Ccr Update] (tmnxMobPdnGyStatReTxCCRUpdate)	long	The value of tmnxMobPdnGyStatReTxCCRUpdate indicates the number of Credit Control Request (CCR) Update messages re-transmitted to this peer.
numRxCcaEMalfPkt [Num Rx Cca EMalf Pkt] (tmnxMobPdnGyStatRxCcaEMalfPkt)	long	The value of tmnxMobPdnGyStatRxCcaEMalfPkt indicates the number of the malformed packets received for Credit Control Answer (CCA) Event message.
numRxCcaEMisAvpPkt [Num Rx Cca EMis Avp Pkt] (tmnxMobPdnGyStatRxCcaEMisAvpPkt)	long	The value of tmnxMobPdnGyStatRxCcaEMisAvpPkt indicates the number of the missing Attribute Value Pair (AVP) packets received for Credit Control Answer (CCA) Event message.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numRxCcaEMsg [Num Rx Cca EMsg] (tmnxMobPdnGyStatRxCcaEMsg)	long	The value of tmnxMobPdnGyStatRxCcaEMsg indicates the number of Credit Control Answer (CCA) Event messages received from this peer.
numRxCcaENackMsg [Num Rx Cca ENack Msg] (tmnxMobPdnGyStatRxCcaENackMsg)	long	The value of tmnxMobPdnGyStatRxCcaENackMsg indicates the number of Credit Control Answer (CCA) negative acknowledgement (NACK) event messages received from this peer.
numRxCcaEUnkwnPkt [Num Rx Cca EUnkwn Pkt] (tmnxMobPdnGyStatRxCcaEUnkwnPkt)	long	The value of tmnxMobPdnGyStatRxCcaEUnkwnPkt indicates the number of the unknown packets received for Credit Control Answer (CCA) Event message.
numTxCcrEMsg [Num Tx Ccr EMsg] (tmnxMobPdnGyStatTxCcrEMsg)	long	The value of tmnxMobPdnGyStatTxCcrEMsg indicates the number of Credit Control Request (CCR) Event messages transmitted to this peer.
oversizeMsgsReceivedFromThisPeer [Oversize Msgs Received From This Peer] (tmnxMobPdnGyStatRxMsgTooBig)	long	The value of tmnxMobPdnGyStatRxMsgTooBig indicates the number of oversize messages received from this peer.
reAuthorizationAnswerMsgsTransmitted [Re Authorization Answer Msgs Transmitted] (tmnxMobPdnGyStatRaaMsgTx)	long	The value of tmnxMobPdnGyStatRaaMsgTx indicates the number of Re-authorization Answer (RAA) messages transmitted.
reAuthorizationAnswerNegativeAckMsgsTransmitted [Re Authorization Answer Negative Ack Msgs Transmitted] (tmnxMobPdnGyStatRaaNackMsgTx)	long	The value of tmnxMobPdnGyStatRaaNackMsgTx indicates the number of Re-authorization Answer (RAA) negative acknowledgement messages transmitted.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reAuthorizationRequestMalformedPktsReceived [Re Authorization Request Malformed Pkts Received] (tmnxMobPdnGyStatRarMalfPktRx)	long	The value of tmnxMobPdnGyStatRarMalfPktRx indicates the number of Re-authorization Request (RAR) malformed packets received.
reAuthorizationRequestMsgsReceived [Re Authorization Request Msgs Received] (tmnxMobPdnGyStatRarMsgRx)	long	The value of tmnxMobPdnGyStatRarMsgRx indicates the number of Re-authorization Request (RAR) messages received.
reAuthorizationRequestUnknownPktsReceived [Re Authorization Request Unknown Pkts Received] (tmnxMobPdnGyStatRarUnkPktRx)	long	The value of tmnxMobPdnGyStatRarUnkPktRx indicates the number of Re-authorization Request (RAR) unknown packets received.
remoteTransportDisconnectMsgsReceivedFromThisPeer [Remote Transport Disconnect Msgs Received From This Peer] (tmnxMobPdnGyStatRxTransportDisc)	long	The value of tmnxMobPdnGyStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.
retransmitMsgsTransmittedToThisPeer [Retransmit Msgs Transmitted To This Peer] (tmnxMobPdnGyStatTxRetransmitMsgs)	long	The value of tmnxMobPdnGyStatTxRetransmitMsgs indicates the number of retransmit messages transmitted to this peer.
smallMsgsReceivedFromThisPeer [Small Msgs Received From This Peer] (tmnxMobPdnGyStatRxMsgTooSmall)	long	The value of tmnxMobPdnGyStatRxMsgTooSmall indicates the number of small messages received from this peer.
unexpectedVersionMsgsReceivedFromThisPeer [Unexpected Version Msgs Received From This Peer] (tmnxMobPdnGyStatRxMsgUnexpectVer)	long	The value of tmnxMobPdnGyStatRxMsgUnexpectVer indicates the number of unexpected version messages received from this peer.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownPktsReceived [Unknown Pkts Received] (tmnxMobPdnGyStatUnkwnPktsRx)	long	The value of tmnxMobPdnGyStatUnkwnPktsRx indicates the number of unknown packets received.
unknownSessionPktsReceived- ForAbortSessionRequestMsgs [Unknown Session Pkts Received For Abort Session Request Msgs] (tmnxMobPdnGyStatAsrUnkSessPkts)	long	The value of tmnxMobPdnGyStatAsrUnkSessPkts indicates the number of unknown session packets received for Abort Session Request (ASR) messages.
unknownSessionPktsReceived- ForCreditControlAnswerInitialMsgs [Unknown Session Pkts Received For Credit Control Answer Initial Msgs] (tmnxMobPdnGyStatCcaUnkSessPkts)	long	The value of tmnxMobPdnGyStatCcaUnkSessPkts indicates the number of unknown session packets received for Credit Control Answer (CCA) initial messages.
unknownSessionPktsReceived- ForCreditControlAnswerTerminationMsgs [Unknown Session Pkts Received For Credit Control Answer Termination Msgs] (tmnxMobPdnGyStatCcaTUnkSessPkts)	long	The value of tmnxMobPdnGyStatCcaTUnkSessPkts indicates the number of unknown session packets received for Credit Control Answer (CCA) termination messages.
unknownSessionPktsReceived- ForCreditControlAnswerUpdateMsgs [Unknown Session Pkts Received For Credit Control Answer Update Msgs] (tmnxMobPdnGyStatCcaUUnkSessPkts)	long	The value of tmnxMobPdnGyStatCcaUUnkSessPkts indicates the number of unknown session packets received for Credit Control Answer (CCA) update messages.
unknownSessionPktsReceived- ForReAuthorizationRequestMsgs [Unknown Session Pkts Received For Re Authorization Request Msgs] (tmnxMobPdnGyStatRarUnkSessPkts)	long	The value of tmnxMobPdnGyStatRarUnkSessPkts indicates the number of unknown session packets received for Re-authorization Request (RAR) messages.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>PgwGaPeerStats</p> <p>MIB entry name: tmnxMobPdnGaStatEntry</p> <p>Entry description: Each row entry represents a peer on the Ga reference point and contain statistics for this peer on a card.</p> <p>Table description (for tmnxMobPdnGaStatTable): The tmnxMobPdnGaStatTable has an entry for each peer on the Ga reference point served by a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteggsn.PgwGaPeer</p>		
address [Address] (tmnxMobPdnGaStatAddress)	String	The value of tmnxMobPdnGaStatAddress indicates the IP address of the peer on Ga reference point. When the length of tmnxMobPdnGaStatAddress is equal to 0 then the peer is a Fully Qualified Domain Name (FQDN) address and this entry represents an aggregate of all the peer IP addresses that this FQDN resolves to. In this case the value of tmnxMobPdnGaStatAddressType is unknown and the value of tmnxMobPdnGaStatPort is equal to 0.
addressType [Address Type] (tmnxMobPdnGaStatAddressType)	int	The value of tmnxMobPdnGaStatAddressType indicates the type of address represented by tmnxMobPdnGaStatAddress. When the value of tmnxMobPdnGaStatAddressType is unknown then the peer is a Fully Qualified Domain Name (FQDN) address and this entry represents an aggregate of all the peer IP addresses that this FQDN resolves to.

Table 545 Iteggsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cdrsTx [Cdrs Tx] (tmnxMobPdnGaStatCdrsTx)	long	The value of tmnxMobPdnGaStatCdrsTx indicates the total number of Charging Data Records (CDR) sent from this peer.
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
gaCardSlotNumber [Ga Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
gaChassisIndex [Ga Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
gtpPriGrpName [Gtp Pri Grp Name] (tmnxMobGtpPriGrpName)	String	The value of tmnxMobGtpPriGrpName specifies the unique name of this GPRS Tunneling Protocol (GTP) Prime Server Group.
gtpPrimeFail [Gtp Prime Fail] (tmnxMobPdnGaStatGtpPrimeFail)	long	The value of tmnxMobPdnGaStatGtpPrimeFail indicates the number of GPRS Tunneling Protocol (GTP) prime message failures transmitted to this peer.
gtpVersion [Gtp Version] (tmnxMobPdnGaStatGtpVersion)	int	The value of tmnxMobPdnGaStatGtpVersion indicates the current GPRS Tunneling Protocol (GTP) version negotiated with the peer.
nodeAIReqRetried [Node AI Req Retried] (tmnxMobPdnGaStatNodeAIReqRetried)	long	The value of tmnxMobPdnGaStatNodeAIReqRetried indicates the number of node alive request retry messages transmitted from this peer.

Table 545 Itegsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
operState [Oper State] (tmnxMobPdnGaStatOperState)	int	The value of tmnxMobPdnGaStatOperState indicates the current operational state of this group. The operational state may be one of: 'up' - connection goes 'up' and is used by the Ga module to send Charging Data Records (CDRs). 'down' - connection goes 'down' and is used by the Ga module to send Charging Data Records (CDRs). 'active' - connection is 'active' and is used by the Ga module to send Charging Data Records (CDRs).
port [Port] (tmnxMobPdnGaStatPort)	int	The value of tmnxMobPdnGaStatPort indicates the port number of this peer. When the value of tmnxMobPdnGaStatPort is equal to 0 then the peer is a Fully Qualified Domain Name (FQDN) address and this entry represents an aggregate of all the peer IP addresses that this FQDN resolves to.
retrDataRecReqs [Retr Data Rec Reqs] (tmnxMobPdnGaStatRetrDataRecReqs)	long	The value of tmnxMobPdnGaStatRetrDataRecReqs indicates the number of Data record transfer requests retried to this peer.
rtrEchoRequests [Rtr Echo Requests] (tmnxMobPdnGaStatRtrEchoRequests)	long	The value of tmnxMobPdnGaStatRtrEchoRequests indicates the number of echo request messages retried to this peer.
rxCdrDupReqFf [Rx Cdr Dup Req Ff] (tmnxMobPdnGaStatRxCdrDupReqFf)	long	The value of tmnxMobPdnGaStatRxCdrDupReqFf indicates the number of Charging Data Records (CDR) responses with cause value 'duplicate requests already fulfilled' received from this peer.
rxCdrInvMsgFmat [Rx Cdr Inv Msg Fmat] (tmnxMobPdnGaStatRxCdrInvMsgFmat)	long	The value of tmnxMobPdnGaStatRxCdrInvMsgFmat indicates the number of Charging Data Records (CDR) responses with cause value 'invalid message format' received from this peer.
rxCdrMandleInc [Rx Cdr Mand le Inc] (tmnxMobPdnGaStatRxCdrMandleInc)	long	The value of tmnxMobPdnGaStatRxCdrMandleInc indicates the number of Charging Data Records (CDR) responses with cause value 'mandatory Information Element (IE) incorrect' received from this peer.

Table 545 Itegsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCdrMandleMiss [Rx Cdr Mand le Miss] (tmnxMobPdnGaStatRxCdrMandleMiss)	long	The value of tmnxMobPdnGaStatRxCdrMandleMiss indicates the number of Charging Data Records (CDR) responses with cause value 'mandatory Information Element (IE) missing' received from this peer.
rxCdrNoResAva [Rx Cdr No Res Ava] (tmnxMobPdnGaStatRxCdrNoResAva)	long	The value of tmnxMobPdnGaStatRxCdrNoResAva indicates the number of Charging Data Records (CDR) responses with cause value 'no resources available' received from this peer.
rxCdrOptleInc [Rx Cdr Opt le Inc] (tmnxMobPdnGaStatRxCdrOptleInc)	long	The value of tmnxMobPdnGaStatRxCdrOptleInc indicates the number of Charging Data Records (CDR) responses with cause value 'optional Information Element (IE) incorrect' received from this peer.
rxCdrReqAcc [Rx Cdr Req Acc] (tmnxMobPdnGaStatRxCdrReqAcc)	long	The value of tmnxMobPdnGaStatRxCdrReqAcc indicates the number of Charging Data Records (CDR) responses with cause value 'requests accepted' received from this peer.
rxCdrReqFfilled [Rx Cdr Req Ffilled] (tmnxMobPdnGaStatRxCdrReqFfilled)	long	The value of tmnxMobPdnGaStatRxCdrReqFfilled indicates the number of Charging Data Records (CDR) responses with cause value 'requests already fulfilled' received from this peer.
rxCdrReqNotFf [Rx Cdr Req Not Ff] (tmnxMobPdnGaStatRxCdrReqNotFf)	long	The value of tmnxMobPdnGaStatRxCdrReqNotFf indicates the number of Charging Data Records (CDR) responses with cause value 'requests not fulfilled' received from this peer.
rxCdrSrvNotSupp [Rx Cdr Srv Not Supp] (tmnxMobPdnGaStatRxCdrSrvNotSupp)	long	The value of tmnxMobPdnGaStatRxCdrSrvNotSupp indicates the number of Charging Data Records (CDR) responses with cause value 'service not supported' received from this peer.
rxCdrSystemFail [Rx Cdr System Fail] (tmnxMobPdnGaStatRxCdrSystemFail)	long	The value of tmnxMobPdnGaStatRxCdrSystemFail indicates the number of Charging Data Records (CDR) responses with cause value 'system failure' received from this peer.

Table 545 Itegsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCdrVerNotSupp [Rx Cdr Ver Not Supp] (tmnxMobPdnGaStatRxCdrVerNotSupp)	long	The value of tmnxMobPdnGaStatRxCdrVerNotSupp indicates the number of Charging Data Records (CDR) responses with cause value 'version not supported' received from this peer.
rxDataRecReqCan [Rx Data Rec Req Can] (tmnxMobPdnGaStatRxDataRecReqCan)	long	The value of tmnxMobPdnGaStatRxDataRecReqCan indicates the number of Cancelled Charging Data Records (CDR) responses with cause value 'requests accepted' received from this peer.
rxDataRecReqDup [Rx Data Rec Req Dup] (tmnxMobPdnGaStatRxDataRecReqDup)	long	The value of tmnxMobPdnGaStatRxDataRecReqDup indicates the number of Duplicate Charging Data Records (CDR) responses with cause value 'requests accepted' received from this peer.
rxDataRecReqEmp [Rx Data Rec Req Emp] (tmnxMobPdnGaStatRxDataRecReqEmp)	long	The value of tmnxMobPdnGaStatRxDataRecReqEmp indicates the number of Empty Charging Data Records (CDR) responses with cause value 'requests accepted' received from this peer.
rxDataRecReqRel [Rx Data Rec Req Rel] (tmnxMobPdnGaStatRxDataRecReqRel)	long	The value of tmnxMobPdnGaStatRxDataRecReqRel indicates the number of Released Charging Data Records (CDR) responses with cause value 'requests accepted' received from this peer.
rxDataRecReqs [Rx Data Rec Reqs] (tmnxMobPdnGaStatRxDataRecReqs)	long	The value of tmnxMobPdnGaStatRxDataRecReqs indicates the number of Data record transfer requests received by this peer.
rxEchoRequests [Rx Echo Requests] (tmnxMobPdnGaStatRxEchoRequests)	long	The value of tmnxMobPdnGaStatRxEchoRequests indicates the number of echo request messages received from this peer.
rxEchoResponses [Rx Echo Responses] (tmnxMobPdnGaStatRxEchoResponses)	long	The value of tmnxMobPdnGaStatRxEchoResponses indicates the number of echo response messages received from this peer.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxFragmentDrtRsp [Rx Fragment Drt Rsp] (tmnxMobPdnGaStatRxFragmentDrtRsp)	long	The value of tmnxMobPdnGaStatRxFragmentDrtRsp indicates the number of the responses for the fragmented Data Record Transfer requests received from this peer.
rxInvalidMsgs [Rx Invalid Msgs] (tmnxMobPdnGaStatRxInvalidMsgs)	long	The value of tmnxMobPdnGaStatRxInvalidMsgs indicates the number of invalid messages received from this peer.
rxNodeAIRequests [Rx Node AI Requests] (tmnxMobPdnGaStatRxNodeAIRequests)	long	The value of tmnxMobPdnGaStatRxNodeAIRequests indicates the number of node alive request messages received from this peer.
rxNodeAIResps [Rx Node AI Resps] (tmnxMobPdnGaStatRxNodeAIResps)	long	The value of tmnxMobPdnGaStatRxNodeAIResps indicates the number of node alive response messages received on this peer.
rxRedirectionReq [Rx Redirection Req] (tmnxMobPdnGaStatRxRedirectionReq)	long	The value of tmnxMobPdnGaStatRxRedirectionReq indicates the number of redirection request messages received from this peer.
rxVerNotSupp [Rx Ver Not Supp] (tmnxMobPdnGaStatRxVerNotSupp)	long	The value of tmnxMobPdnGaStatRxVerNotSupp indicates the number of version not supported messages received from this peer.
txCdrMaxChngCond [Tx Cdr Max Chng Cond] (tmnxMobPdnGaStatTxCdrMaxChngCond)	long	The value of tmnxMobPdnGaStatTxCdrMaxChngCond indicates the number of Charging Data Records (CDR) maximum change condition requests transmitted to this peer.
txCdrMgmtInterv [Tx Cdr Mgmt Interv] (tmnxMobPdnGaStatTxCdrMgmtInterv)	long	The value of tmnxMobPdnGaStatTxCdrMgmtInterv indicates the number of Charging Data Records (CDR) transferred due to management intervention on this peer.
txCdrMsTmzChng [Tx Cdr Ms Tmz Chng] (tmnxMobPdnGaStatTxCdrMsTmzChng)	long	The value of tmnxMobPdnGaStatTxCdrMsTmzChng indicates the number of Charging Data Records (CDR) MS Time Zone Change requests transmitted to this peer.

Table 545 Itegnsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCdrPlmnChange [Tx Cdr Plmn Change] (tmnxMobPdnGaStatTxCdrPlmnChange)	long	The value of tmnxMobPdnGaStatTxCdrPlmnChange indicates the number of Charging Data Records (CDR) Public Land Mobile Network (PLMN) change requests transmitted to this peer.
txCdrRatChng [Tx Cdr Rat Chng] (tmnxMobPdnGaStatTxCdrRatChng)	long	The value of tmnxMobPdnGaStatTxCdrRatChng indicates the number of Charging Data Records (CDR) Radio Access Type (RAT) change requests transmitted to this peer.
txCdrSerNdChLmt [Tx Cdr Ser Nd Ch Lmt] (tmnxMobPdnGaStatTxCdrSerNdChLmt)	long	The value of tmnxMobPdnGaStatTxCdrSerNdChLmt indicates the number of Charging Data Records (CDR) Serving Node Change Limit requests transmitted to this peer.
txCdrTermination [Tx Cdr Termination] (tmnxMobPdnGaStatTxCdrTermination)	long	The value of tmnxMobPdnGaStatTxCdrTermination indicates the number of Charging Data Records (CDR) termination requests transmitted to this peer.
txCdrTimeLimit [Tx Cdr Time Limit] (tmnxMobPdnGaStatTxCdrTimeLimit)	long	The value of tmnxMobPdnGaStatTxCdrTimeLimit indicates the number of Charging Data Records (CDR) time limit requests transmitted to this peer.
txCdrVolLimit [Tx Cdr Vol Limit] (tmnxMobPdnGaStatTxCdrVolLimit)	long	The value of tmnxMobPdnGaStatTxCdrVolLimit indicates the number of Charging Data Records (CDR) volume limit requests transmitted to this peer.
txDataRecReqCan [Tx Data Rec Req Can] (tmnxMobPdnGaStatTxDataRecReqCan)	long	The value of tmnxMobPdnGaStatTxDataRecReqCan indicates the number of Cancelled Data record requests transmitted to this peer.
txDataRecReqDup [Tx Data Rec Req Dup] (tmnxMobPdnGaStatTxDataRecReqDup)	long	The value of tmnxMobPdnGaStatTxDataRecReqDup indicates the number of duplicate Data record transfer requests transmitted to this peer.

Table 545 Itegnsn statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txDataRecReqEmp [Tx Data Rec Req Emp] (tmnxMobPdnGaStatTxDataRecReqEmp)	long	The value of tmnxMobPdnGaStatTxDataRecReqEmp indicates the number of Empty Data record requests transmitted to this peer.
txDataRecReqRel [Tx Data Rec Req Rel] (tmnxMobPdnGaStatTxDataRecReqRel)	long	The value of tmnxMobPdnGaStatTxDataRecReqRel indicates the number of Released Data record requests transmitted to this peer.
txDataRecReqs [Tx Data Rec Reqs] (tmnxMobPdnGaStatTxDataRecReqs)	long	The value of tmnxMobPdnGaStatTxDataRecReqs indicates the number of Data record requests transmitted to this peer.
txDrtFragment [Tx Drt Fragment] (tmnxMobPdnGaStatTxDrtFragment)	long	The value of tmnxMobPdnGaStatTxDrtFragment indicates the number of the IP fragments for the fragmented Data Record Transfer requests transmitted to this peer.
txEchoRequests [Tx Echo Requests] (tmnxMobPdnGaStatTxEchoRequests)	long	The value of tmnxMobPdnGaStatTxEchoRequests indicates the number of echo request messages transmitted to this peer.
txEchoResponses [Tx Echo Responses] (tmnxMobPdnGaStatTxEchoResponses)	long	The value of tmnxMobPdnGaStatTxEchoResponses indicates the number of echo response messages transmitted to this peer.
txFragmentDrtReq [Tx Fragment Drt Req] (tmnxMobPdnGaStatTxFragmentDrtReq)	long	The value of tmnxMobPdnGaStatTxFragmentDrtReq indicates the number of the fragmented Data Record Transfer Requests transmitted to this peer.
txNodeAIRequests [Tx Node AI Requests] (tmnxMobPdnGaStatTxNodeAIRequests)	long	The value of tmnxMobPdnGaStatTxNodeAIRequests indicates the number of node alive request messages transmitted from this peer.
txNodeAIResps [Tx Node AI Resps] (tmnxMobPdnGaStatTxNodeAIResps)	long	The value of tmnxMobPdnGaStatTxNodeAIResps indicates the number of node alive response messages transmitted to this peer.

Table 545 Iteggns statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRedrnResp [Tx Redrn Resp] (tmnxMobPdnGaStatTxRedrnResp)	long	The value of tmnxMobPdnGaStatTxRedrnResp indicates the number of redirection request messages transmitted to this peer.
txVerNotSupp [Tx Ver Not Supp] (tmnxMobPdnGaStatTxVerNotSupp)	long	The value of tmnxMobPdnGaStatTxVerNotSupp indicates the number of version not supported messages transmitted to this peer.
unackDataRexReqs [Unack Data Rex Reqs] (tmnxMobPdnGaStatUnackDataRexReqs)	long	The value of tmnxMobPdnGaStatUnackDataRexReqs indicates the number of Data record transfer requests unacknowledged by this peer.
upTime [Up Time] (tmnxMobPdnGaStatUpTime)	long	The value of tmnxMobPdnGaStatUpTime indicates the time when the connection comes up.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 546 ltegw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ControlRefPtGtpv2Stats</p> <p>MIB entry name: tmnxMobGwCtrlRefPtGtpv2StatEntry</p> <p>Entry description: Each row entry represents a peer on a General Packet Radio Service (GPRS) Tunneling Protocol Version 2 (GTPv2) reference points and contains statistics for this peer on a card.</p> <p>Table description (for tmnxMobGwCtrlRefPtGtpv2StatTable): The tmnxMobGwCtrlRefPtGtpv2StatTable has an entry for each peer on the General Packet Radio Service (GPRS) Tunneling Protocol Version 2 (GTPv2) reference points.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lte.S11Peer • lte.S2aGtpPeer • lte.S5Peer • lte.S8Peer • ltepmip.S2bPeer • ltesgsn.S4cPeer 		
bearerIpv4v6 [Bearer Ipv 4 v 6] (tmnxMobGwStatBearerIpv4v6)	long	The value of tmnxMobGwStatBearerIpv4v6 indicates the number of IPv4v6 bearers being served by this peer.
bearerResourceCommand [Bearer Resource Command] (tmnxMobGwStatBearResCmd)	long	The value of tmnxMobGwStatBearResCmd indicates the number of bearer resource command packets on the gateway.
bearerResourceFailureIndication [Bearer Resource Failure Indication] (tmnxMobGwStatBearResFailInd)	long	The value of tmnxMobGwStatBearResFailInd indicates the number of bearer resource failure indication packets on the gateway.
bearersIpv4 [Bearers Ipv 4] (tmnxMobGwStatBearersIpv4)	long	The value of tmnxMobGwStatBearersIpv4 indicates the number of IPv4 bearers being served by this peer.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bearersIpv6 [Bearers Ipv 6] (tmnxMobGwStatBearersIpv6)	long	The value of tmnxMobGwStatBearersIpv6 indicates the number of IPv6 bearers being served by this peer.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
createBearerRequest [Create Bearer Request] (tmnxMobGwStatCreBearReq)	long	The value of tmnxMobGwStatCreBearReq indicates the number of create bearer request messages received from or transmitted to this peer.
createBearerResponseFailure [Create Bearer Response Failure] (tmnxMobGwStatCreBearRspFail)	long	The value of tmnxMobGwStatCreBearRspFail indicates the number of create bearer response messages received from or transmitted to this peer with cause code not set to request accepted.
createBearerResponseSucceed [Create Bearer Response Succeed] (tmnxMobGwStatCreBearRspSucc)	long	The value of tmnxMobGwStatCreBearRspSucc indicates the number of create bearer response messages received from or transmitted to this peer with cause code set to request accepted.
createIndirectDataTunnelRequest [Create Indirect Data Tunnel Request] (tmnxMobGwStatCreIndrTnlReq)	long	The value of tmnxMobGwStatCreIndrTnlReq indicates the number of Create Indirect Data Forwarding Tunnel Request messages received from or transmitted to this peer.
createIndirectDataTunnelResponseFailure [Create Indirect Data Tunnel Response Failure] (tmnxMobGwStatCreIndrTnlRspFail)	long	The value of tmnxMobGwStatCreIndrTnlRspFail indicates the number of Create Indirect Data Forwarding Tunnel Response messages received from or transmitted to this peer with cause code not set to request accepted.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
createIndirectDataTunnelResponseSucceed [Create Indirect Data Tunnel Response Succeed] (tmnxMobGwStatCreIndrTnlRspSucc)	long	The value of tmnxMobGwStatCreIndrTnlRspSucc indicates the number of Create Indirect Data Forwarding Tunnel Response messages received from or transmitted to this peer with cause code set to request accepted.
createSessionRequest [Create Session Request] (tmnxMobGwStatCreSessReq)	long	The value of tmnxMobGwStatCreSessReq indicates the number of create session request messages received from this peer or transmitted to this peer.
createSessionResponseFailure [Create Session Response Failure] (tmnxMobGwStatCreSessRspFail)	long	The value of tmnxMobGwStatCreSessRspFail indicates the number of create session response messages received from or transmitted to this peer with cause code not set to request accepted.
createSessionResponseSucceed [Create Session Response Succeed] (tmnxMobGwStatCreSessRspSucc)	long	The value of tmnxMobGwStatCreSessRspSucc indicates the number of create session response messages received from this peer or transmitted to this peer with cause code set to request accepted.
csReqTotlTiedNoZero [Cs Req Totl Tied No Zero] (tmnxMobGwStatCsReqTotlTiedNoZero)	long	The value of tmnxMobGwStatCsReqTotlTiedNoZero indicates the total number of Create Session (CS) requests with non-zero TEID.
csReqUniqTiedNoZero [Cs Req Uniq Tied No Zero] (tmnxMobGwStatCsReqUniqTiedNoZero)	long	The value of tmnxMobGwStatCsReqUniqTiedNoZero indicates the number of unique Create Session (CS) requests with non-zero TEID.
dbPcscfRecvry [Db Pcscf Recvry] (tmnxMobGwStatDbPcscfRecvry)	long	The value of tmnxMobGwStatDbPcscfRecvry indicates the number of Delete Bearer (DB) with Proxy Call Session Control Function (P-CSCF) recovery received or transmitted from this peer.
dedicatedBearers [Dedicated Bearers] (tmnxMobGwStatDedctdBearers)	long	The value of tmnxMobGwStatDedctdBearers indicates the number of dedicated bearers being served by this peer.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
defaultBearers [Default Bearers] (tmnxMobGwStatDefBearers)	long	The value of tmnxMobGwStatDefBearers indicates the number of default bearers being served by this peer.
deleteBearerCommand [Delete Bearer Command] (tmnxMobGwStatDelBearCmd)	long	The value of tmnxMobGwStatDelBearCmd indicates the number of delete bearer command messages received from or transmitted to this peer.
deleteBearerFailureIndication [Delete Bearer Failure Indication] (tmnxMobGwStatDelBearFailInd)	long	The value of tmnxMobGwStatDelBearFailInd indicates the number of delete bearer failure messages received from or transmitted to this peer.
deleteBearerRequest [Delete Bearer Request] (tmnxMobGwStatDelBearReq)	long	The value of tmnxMobGwStatDelBearReq indicates the number of delete bearer request messages received from or transmitted to this peer.
deleteBearerResponseFailure [Delete Bearer Response Failure] (tmnxMobGwStatDelBearRspFail)	long	The value of tmnxMobGwStatDelBearRspFail indicates the number of delete bearer response messages received from or transmitted to this peer with cause code not set to request accepted.
deleteBearerResponseSucceed [Delete Bearer Response Succeed] (tmnxMobGwStatDelBearRspSucc)	long	The value of tmnxMobGwStatDelBearRspSucc indicates the number of delete bearer response messages received from or transmitted to this peer with cause code set to request accepted.
deleteIndirectDataTunnelRequest [Delete Indirect Data Tunnel Request] (tmnxMobGwStatDelIndrTnlReq)	long	The value of tmnxMobGwStatDelIndrTnlReq indicates the number of Delete Indirect Data Forwarding Tunnel Request messages received from or transmitted to this peer.
deleteIndirectDataTunnelResponseFailure [Delete Indirect Data Tunnel Response Failure] (tmnxMobGwStatDelIndrTnlRspFail)	long	The value of tmnxMobGwStatDelIndrTnlRspFail indicates the number of Delete Indirect Data Forwarding Tunnel Response messages received from or transmitted to this peer with cause code not set to request accepted.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deleteIndirectDataTunnelResponseSucceed [Delete Indirect Data Tunnel Response Succeed] (tmnxMobGwStatDelIndrTnlRspSucc)	long	The value of tmnxMobGwStatDelIndrTnlRspSucc indicates the number of Delete Indirect Data Forwarding Tunnel Response messages received from or transmitted to this peer with cause code set to request accepted.
deleteSessionRequest [Delete Session Request] (tmnxMobGwStatDelSessReq)	long	The value of tmnxMobGwStatDelSessReq indicates the number of delete session request messages received from this peer or transmitted to this peer.
deleteSessionResponseFailure [Delete Session Response Failure] (tmnxMobGwStatDelSessRspFail)	long	The value of tmnxMobGwStatDelSessRspFail indicates the number of delete session response messages received from or transmitted to this peer with cause code not set to request accepted.
deleteSessionResponseSucceed [Delete Session Response Succeed] (tmnxMobGwStatDelSessRspSucc)	long	The value of tmnxMobGwStatDelSessRspSucc indicates the number of delete session response messages received from this peer or transmitted to this peer with cause code set to request accepted.
downlinkDataAckFailure [Downlink Data Ack Failure] (tmnxMobGwStatDIDDataAckFail)	long	The value of tmnxMobGwStatDIDDataAckFail indicates the number of downlink data notification acknowledgements received from or transmitted to this peer with cause code not set to request accepted.
downlinkDataAckSucceed [Downlink Data Ack Succeed] (tmnxMobGwStatDIDDataAckSucc)	long	The value of tmnxMobGwStatDIDDataAckSucc indicates the number of downlink data notification acknowledgements received from or transmitted to this peer with cause code set to request accepted.
downlinkDataFailureNotify [Downlink Data Failure Notify] (tmnxMobGwStatDIDDataFailNotify)	long	The value of tmnxMobGwStatDIDDataFailNotify indicates the number of downlink data notification failure indication messages received from or transmitted to this peer.
downlinkDataNotify [Downlink Data Notify] (tmnxMobGwStatDIDDataNotify)	long	The value of tmnxMobGwStatDIDDataNotify indicates the number of downlink data notification messages received from or transmitted to this peer.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dscpValue [Dscp Value] (tmnxMobGwStatDscpValue)	long	The value of tmnxMobGwStatDscpValue indicates the number of the changes of DSCP value included in DDN on S11 ref-point.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
mbPcscfRecvry [Mb Pcscf Recvry] (tmnxMobGwStatMbPcscfRecvry)	long	The value of tmnxMobGwStatMbPcscfRecvry indicates the number of Modify Bearer (MB) Request received or sent with Proxy Call Session Control Function (P-CSCF) recovery private IE.
mbReqSgwRest [Mb Req Sgw Rest] (tmnxMobGwStatMbReqSgwRest)	long	The value of tmnxMobGwStatMbReqSgwRest indicates the number of Modify Bearer Request packet for Serving Gateway (SGW) Restoration.
modifyAccessBearerRequest [Modify Access Bearer Request] (tmnxMobGwStatModAccBearReq)	long	The value of tmnxMobGwStatModAccBearReq indicates the number of modify access bearer request messages received from or transmitted to this peer.
modifyAccessBearerResponseFailure [Modify Access Bearer Response Failure] (tmnxMobGwStatModAccBearRspFail)	long	The value of tmnxMobGwStatModAccBearRspFail indicates the number of modify access bearer response messages received from or transmitted to this peer with cause code other than request accepted.
modifyAccessBearerResponseSucceed [Modify Access Bearer Response Succeed] (tmnxMobGwStatModAccBearRspSucc)	long	The value of tmnxMobGwStatModAccBearRspSucc indicates the number of modify access bearer response messages received from or transmitted to this peer with cause code set to request accepted.
modifyBearerCommand [Modify Bearer Command] (tmnxMobGwStatModBearCmd)	long	The value of tmnxMobGwStatModBearCmd indicates the number of modify bearer command messages received from or transmitted to this peer.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
modifyBearerCsgRequest [Modify Bearer Csg Request] (tmnxMobGwStatMbCsg)	long	The value of tmnxMobGwStatMbCsg indicates the number of Modify Bearer (MB) requests with Closed Subscriber Group (CSG) received or transmitted from this peer.
modifyBearerFailureIndication [Modify Bearer Failure Indication] (tmnxMobGwStatModBearFailInd)	long	The value of tmnxMobGwStatModBearFailInd indicates the number of modify bearer failure messages received from or transmitted to this peer.
modifyBearerRequest [Modify Bearer Request] (tmnxMobGwStatModBearReq)	long	The value of tmnxMobGwStatModBearReq indicates the number of modify bearer request messages received from or transmitted to this peer.
modifyBearerResponseFailure [Modify Bearer Response Failure] (tmnxMobGwStatModBearRspFail)	long	The value of tmnxMobGwStatModBearRspFail indicates the number of modify bearer response messages received from or transmitted to this peer with cause code not set to request accepted.
modifyBearerResponseSucceed [Modify Bearer Response Succeed] (tmnxMobGwStatModBearRspSucc)	long	The value of tmnxMobGwStatModBearRspSucc indicates the number of modify bearer response messages received from or transmitted to this peer with cause code set to request accepted.
pathMgmtFailures [Path Mgmt Failures] (tmnxMobGwStatPathMgmtFails)	long	The value of tmnxMobGwStatPathMgmtFails indicates the number of path management failures for this peer.
peerIpAddress [Peer Ip Address] (tmnxMobGwSigPeerAddress)	String	The value of tmnxMobGwSigPeerAddress indicates the IP address of this peer on signaling reference points.
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwSigPeerAddressType)	int	The value of tmnxMobGwSigPeerAddressType indicates the type of address represented by tmnxMobGwSigPeerAddress.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerRestartCounter [Peer Restart Counter] (tmnxMobGwStatPeerRestartCnt)	long	The value of tmnxMobGwStatPeerRestartCnt indicates the counter value of the number of times this peer restarted.
peerRestarts [Peer Restarts] (tmnxMobGwStatPeerRestarts)	long	The value of tmnxMobGwStatPeerRestarts indicates the number of times this peer restarted.
peerType [Peer Type] (tmnxMobGwSigPeerType)	int	The tmnxMobGwSigPeerType is an enumerated integer that describes the type of a reference point peer.
pgwRestartNotify [Pgw Restart Notify] (tmnxMobGwStatPgwRestNotify)	long	The value of tmnxMobGwStatPgwRestNotify indicates the number of Packet Data Network Gateway (PGW) restart notifications received from or transmitted to this peer.
pgwRestartNotifyAck [Pgw Restart Notify Ack] (tmnxMobGwStatPgwRestNotifyAck)	long	The value of tmnxMobGwStatPgwRestNotifyAck indicates the number of Packet Data Network Gateway (PGW) restart notification acknowledgements received from or transmitted to this peer.
rabReqRadioLoss [Rab Req Radio Loss] (tmnxMobGwStatRabReqRadioLoss)	long	The value of tmnxMobGwStatRabReqRadioLoss indicates the number of Release Access Bearer packet with abnormal radio link loss indication Information Element (IE) bit set transmitted to this peer.
receivedEchoRequests [Received Echo Requests] (tmnxMobGwStatRxEchoRequests)	long	The value of tmnxMobGwStatRxEchoRequests indicates the number of echo request messages received from this peer.
receivedEchoResponse [Received Echo Response] (tmnxMobGwStatRxEchoResp)	long	The value of tmnxMobGwStatRxEchoResp indicates the number of echo response messages received from this peer.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedMalformedPkts [Received Malformed Pkts] (tmnxMobGwStatRxMalfrmedPkts)	long	The value of tmnxMobGwStatRxMalfrmedPkts indicates the number of malformed packets received from this peer.
receivedMissnglePkts [Received Missng le Pkts] (tmnxMobGwStatRxMissnglePkts)	long	The value of tmnxMobGwStatRxMissnglePkts indicates the number of missing mandatory Information Element (IE) packets received from this peer.
receivedUnknownPkts [Received Unknown Pkts] (tmnxMobGwStatRxUnknownPkts)	long	The value of tmnxMobGwStatRxUnknownPkts indicates the number of unknown message type packets received from this peer.
recordCount [Record Count] (tmnxMobGwStatRecordCount)	long	The value of tmnxMobGwStatRecordCount indicates the number of User Equipments (UEs) that are attached to this peer.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.
releaseAccessBearerRequest [Release Access Bearer Request] (tmnxMobGwStatRelAccBearReq)	long	The value of tmnxMobGwStatRelAccBearReq indicates the number of Release Access Bearers Request messages received from this peer or transmitted to this peer.
releaseAccessBearerResponseFailure [Release Access Bearer Response Failure] (tmnxMobGwStatRelAccBearRspFail)	long	The value of tmnxMobGwStatRelAccBearRspFail indicates the number of Release Access Bearers Response messages received from or transmitted to this peer with cause code not set to request accepted.
releaseAccessBearerResponseSucceed [Release Access Bearer Response Succeed] (tmnxMobGwStatRelAccBearRspSucc)	long	The value of tmnxMobGwStatRelAccBearRspSucc indicates the number of Release Access Bearers Response messages received from or transmitted to this peer with cause code set to request accepted.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reqPauseChrg [Req Pause Chrg] (tmnxMobGwStatMbReqPauseChrg)	long	The value of tmnxMobGwStatMbReqPauseChrg indicates the number of Modify Bearer Request packet with pause charging indication Information Element (IE) bit set received from this peer.
reqUnpauseChrg [Req Unpause Chrg] (tmnxMobGwStatMbReqUnpauseChrg)	long	The value of tmnxMobGwStatMbReqUnpauseChrg indicates the number of Modify Bearer Request packet with unpause charging indication Information Element (IE) bit set received from this peer.
resumeNotification [Resume Notification] (tmnxMobGwStatResNotify)	long	The value of tmnxMobGwStatResNotify indicates the number of resume notification requests received from this peer or transmitted to this peer.
resumeNotificationAckFailure [Resume Notification Ack Failure] (tmnxMobGwStatResNotifyAckFail)	long	The value of tmnxMobGwStatResNotifyAckFail indicates the number of resume notification acknowledgement failures received from this peer or transmitted to this peer.
resumeNotificationAckSucceed [Resume Notification Ack Succeed] (tmnxMobGwStatResNotifyAckSucc)	long	The value of tmnxMobGwStatResNotifyAckSucc indicates the number of resume notification acknowledgements received from this peer or transmitted to this peer.
suspendNotification [Suspend Notification] (tmnxMobGwStatSuspNotify)	long	The value of tmnxMobGwStatSuspNotify indicates the number of suspend notification requests received from this peer or transmitted to this peer.
suspendNotificationAckFailure [Suspend Notification Ack Failure] (tmnxMobGwStatSuspNotifyAckFail)	long	The value of tmnxMobGwStatSuspNotifyAckFail indicates the number of suspend notification acknowledgement failures received from this peer or transmitted to this peer.
suspendNotificationAckSucceed [Suspend Notification Ack Succeed] (tmnxMobGwStatSuspNotifyAckSucc)	long	The value of tmnxMobGwStatSuspNotifyAckSucc indicates the number of suspend notification acknowledgements received from this peer or transmitted to this peer.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedEchoRequests [Transmitted Echo Requests] (tmnxMobGwStatTxEchoRequests)	long	The value of tmnxMobGwStatTxEchoRequests indicates the number of echo request messages transmitted to this peer.
transmittedEchoResponse [Transmitted Echo Response] (tmnxMobGwStatTxEchoResp)	long	The value of tmnxMobGwStatTxEchoResp indicates the number of echo response messages transmitted to this peer.
type [Type] (tmnxMobGwSigRefPtType)	int	The value of tmnxMobGwSigRefPtType specifies the type of this reference point.
ubPcscfServer [Ub Pcsf Server] (tmnxMobGwStatUbPcscfServer)	long	The value of tmnxMobGwStatUbPcscfServer indicates the number of Update Bearer (UB) with Proxy Call Session Control Function (P-CSCF) servers received or transmitted from this peer.
uniqueDeleteSessionRequests [Unique Delete Session Requests] (tmnxMobGwStatDelSessReqUnique)	long	The value of tmnxMobGwStatDelSessReqUnique indicates the unique number of delete session request messages received from this peer or transmitted to this peer.
uniqueModifyBearerRequests [Unique Modify Bearer Requests] (tmnxMobGwStatModBearReqUnique)	long	The value of tmnxMobGwStatModBearReqUnique indicates the unique number of modify bearer request messages received from or transmitted to this peer.
updateBearerRequest [Update Bearer Request] (tmnxMobGwStatUpdBearReq)	long	The value of tmnxMobGwStatUpdBearReq indicates the number of update bearer request messages received from or transmitted to this peer.
updateBearerResponseFailure [Update Bearer Response Failure] (tmnxMobGwStatUpdBearRspFail)	long	The value of tmnxMobGwStatUpdBearRspFail indicates the number of update bearer response messages received from or transmitted to this peer with cause code not set to request accepted.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
updateBearerResponseSucceed [Update Bearer Response Succeed] (tmnxMobGwStatUpdBearRspSucc)	long	The value of tmnxMobGwStatUpdBearRspSucc indicates the number of update bearer response messages received from or transmitted to this peer with cause code set to request accepted.
<p>DedicatedBearerIdleTimeOut</p> <p>MIB entry name: tmnxMobPdnApnEntry</p> <p>Entry description: Each row entry represents an Access Point Name (APN). Entries can be created and deleted by the user.</p> <p>Table description (for tmnxMobPdnApnTable): The tmnxMobPdnApnTable has an entry for each Access Point Name (APN). An APN identifies an external network that is accessible from a terminal.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PdnApn</p>		
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qci [Qci] (tmnxMobPdnApnDedBrIdITmtQci)	long	The value of tmnxMobPdnApnDedBrIdITmtQci indicates the QoS Class Identifier (QCI) value.
timeout [Timeout] (tmnxMobPdnApnDedBrIdITmtTimeout)	long	The value of tmnxMobPdnApnDedBrIdITmtTimeout indicates the idle timeout interval for a specific QCI value.
<p>Gtpv1v0CauseCodeStats</p> <p>MIB entry name: tmnxMobGwGtpv1v0CauseCodeEntry</p> <p>Entry description: Each row entry represents a peer on the General Packet Radio Service (GPRS) Tunneling Protocol Version 1 (GTPv1) or Version 0 (GTPv0) Control plane (GTP-C) reference point and contains cause code statistics for this peer on a card.</p> <p>Table description (for tmnxMobGwGtpv1v0CauseCodeTable): The tmnxMobGwGtpv1v0CauseCodeTable has an entry for each peer on the General Packet Radio Service (GPRS) Tunneling Protocol Version 1 (GTPv1) or Version 0 (GTPv0) Control plane (GTP-C) reference point served by a Serving GPRS Support Node (SGSN).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ltegsn.GnPeer • ltegsn.GpPeer 		
allDynAddrOccupied [All Dyn Addr Occupied] (tmnxMobGwV1v0AllDynAddrOccupied)	long	The value of tmnxMobGwV1v0AllDynAddrOccupied indicates the number of messages received from or transmitted to this peer with cause code set to all dynamic Packet Data Protocol (PDP) addresses are occupied.
apnAccessDenied [Apn Access Denied] (tmnxMobGwV1v0ApnAccessDenied)	long	The value of tmnxMobGwV1v0ApnAccessDenied indicates the number of messages received from or transmitted to this peer with cause code set to Access Point Name (APN) access denied with no subscription.
apnCongestion [Apn Congestion] (tmnxMobGwV1v0ApnCongestion)	long	The value of tmnxMobGwV1v0ApnCongestion indicates the number of messages received from or transmitted to this peer with cause code set to Access Point Name (APN) congestion.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
apnRstrIncompatible [Apn Rstr Incompatible] (tmnxMobGwV1v0ApnRstrIncompatible)	long	The value of tmnxMobGwV1v0ApnRstrIncompatible indicates the number of messages received from or transmitted to this peer with cause code set to Access Point Name (APN) restriction type incompatibility with currently active Packet Data Protocol (PDP) contexts.
authFailure [Auth Failure] (tmnxMobGwV1v0AuthFailure)	long	The value of tmnxMobGwV1v0AuthFailure indicates the number of messages received from or transmitted to this peer with cause code set to authentication failure.
bcmViolation [Bcm Violation] (tmnxMobGwV1v0BcmViolation)	long	The value of tmnxMobGwV1v0BcmViolation indicates the number of messages received from or transmitted to this peer with cause code set to bearer control mode violation.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
collisionNwInitReq [Collision Nw Init Req] (tmnxMobGwV1v0CollisionNwInitReq)	long	The value of tmnxMobGwV1v0CollisionNwInitReq indicates the number of messages received from or transmitted to this peer with cause code set to collision with network initiated request.
contextNotFound [Context Not Found] (tmnxMobGwV1v0ContextNotFound)	long	The value of tmnxMobGwV1v0ContextNotFound indicates the number of messages received from or transmitted to this peer with cause code set to context not found.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
imsilmeiNotKnown [Imsi Imei Not Known] (tmnxMobGwV1v0ImsilmeiNotKnown)	long	The value of tmnxMobGwV1v0ImsilmeiNotKnown indicates the number of messages received from or transmitted to this peer with cause code set to International Mobile Subscriber Identity (IMSI) or International Mobile Equipment Identity (IMEI) not known.
ingrEgrDir [Ingr Egr Dir] (tmnxMobGwV1v0IngrEgrDir)	int	The value of tmnxMobGwV1v0IngrEgrDir indicates the transmission direction of the messages.
invCorrelationId [Inv Correlation Id] (tmnxMobGwV1v0InvCorrelationId)	long	The value of tmnxMobGwV1v0InvCorrelationId indicates the number of messages received from or transmitted to this peer with cause code set to invalid correlation identifier.
invMsgFormat [Inv Msg Format] (tmnxMobGwV1v0InvMsgFormat)	long	The value of tmnxMobGwV1v0InvMsgFormat indicates the number of messages received from or transmitted to this peer with cause code set to invalid message format.
mandleIncorrect [Mand le Incorrect] (tmnxMobGwV1v0MandleIncorrect)	long	The value of tmnxMobGwV1v0MandleIncorrect indicates the number of messages received from or transmitted to this peer with cause code set to mandatory Information Element (IE) incorrect.
mandleMissing [Mand le Missing] (tmnxMobGwV1v0MandleMissing)	long	The value of tmnxMobGwV1v0MandleMissing indicates the number of messages received from or transmitted to this peer with cause code set to mandatory Information Element (IE) missing.
missingOrUnknownApn [Missing Or Unknown Apn] (tmnxMobGwV1v0MissingOrUnknownApn)	long	The value of tmnxMobGwV1v0MissingOrUnknownApn indicates the number of messages received from or transmitted to this peer with cause code set to missing or unknown Access Point Name (APN).

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
msNotGprsResponding [Ms Not Gprs Responding] (tmnxMobGwV1v0MsNotGprsResponding)	long	The value of tmnxMobGwV1v0MsNotGprsResponding indicates the number of messages received from or transmitted to this peer with cause code set to Mobile Subscriber (MS) is not General Packet Radio Service (GPRS) responding.
msRefuses [Ms Refuses] (tmnxMobGwV1v0MsRefuses)	long	The value of tmnxMobGwV1v0MsRefuses indicates the number of messages received from or transmitted to this peer with cause code set to Mobile Subscriber (MS) refuses.
newPdpTypeNwPref [New Pdp Type Nw Pref] (tmnxMobGwV1v0NewPdpTypeNwPref)	long	The value of tmnxMobGwV1v0NewPdpTypeNwPref indicates the number of messages received from or transmitted to this peer with cause code set to new Packet Data Protocol (PDP) type due to network preference.
newPdpTypeSnglAdrBr [New Pdp Type Sngl Adr Br] (tmnxMobGwV1v0NewPdpTypeSnglAdrBr)	long	The value of tmnxMobGwV1v0NewPdpTypeSnglAdrBr indicates the number of messages received from or transmitted to this peer with cause code set to new Packet Data Protocol (PDP) type due to single address bearer only.
noMem [No Mem] (tmnxMobGwV1v0NoMem)	long	The value of tmnxMobGwV1v0NoMem indicates the number of messages received from or transmitted to this peer with cause code set to no memory is available.
noResources [No Resources] (tmnxMobGwV1v0NoResources)	long	The value of tmnxMobGwV1v0NoResources indicates the number of messages received from or transmitted to this peer with cause code set to no resources available.
nonExistent [Non Existent] (tmnxMobGwV1v0NonExistent)	long	The value of tmnxMobGwV1v0NonExistent indicates the number of messages received from or transmitted to this peer with cause code set to non-existent.
optleIncorrect [Opt le Incorrect] (tmnxMobGwV1v0OptleIncorrect)	long	The value of tmnxMobGwV1v0OptleIncorrect indicates the number of messages received from or transmitted to this peer with cause code set to optional Information Element (IE) incorrect.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
others [Others] (tmnxMobGwV1v0Others)	long	The value of tmnxMobGwV1v0Others indicates the number of messages received from or transmitted to this peer with cause code set to other values.
pdpAdrInactTimerExp [Pdp Adr Inact Timer Exp] (tmnxMobGwV1v0PdpAdrInactTimerExp)	long	The value of tmnxMobGwV1v0PdpAdrInactTimerExp indicates the number of messages received from or transmitted to this peer with cause code set to Packet Data Protocol (PDP) address inactivity timer expires.
pdpCtxActdWoTft [Pdp Ctx Actd Wo Tft] (tmnxMobGwV1v0PdpCtxActdWoTft)	long	The value of tmnxMobGwV1v0PdpCtxActdWoTft indicates the number of messages received from or transmitted to this peer with cause code set to Packet Data Protocol (PDP) context without Traffic Flow Template (TFT) already activated.
peerIpAddress [Peer Ip Address] (tmnxMobGwSigPeerAddress)	String	The value of tmnxMobGwSigPeerAddress indicates the IP address of this peer on signaling reference points.
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwSigPeerAddressType)	int	The value of tmnxMobGwSigPeerAddressType indicates the type of address represented by tmnxMobGwSigPeerAddress.
peerType [Peer Type] (tmnxMobGwSigPeerType)	int	The tmnxMobGwSigPeerType is an enumerated integer that describes the type of a reference point peer.
reactivationReq [Reactivation Req] (tmnxMobGwV1v0ReactivationReq)	long	The value of tmnxMobGwV1v0ReactivationReq indicates the number of messages received from or transmitted to this peer with cause code set to reactivation requested.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reqAccepted [Req Accepted] (tmnxMobGwV1v0ReqAccepted)	long	The value of tmnxMobGwV1v0ReqAccepted indicates the number of messages received from or transmitted to this peer with cause code set to request accepted.
semanticErrPktFlt [Semantic Err Pkt Flt] (tmnxMobGwV1v0SemanticErrPktFlt)	long	The value of tmnxMobGwV1v0SemanticErrPktFlt indicates the number of messages received from or transmitted to this peer with cause code set to semantic errors in packet filters.
semanticErrTft [Semantic Err Tft] (tmnxMobGwV1v0SemanticErrTft)	long	The value of tmnxMobGwV1v0SemanticErrTft indicates the number of messages received from or transmitted to this peer with cause code set to semantic error in the Traffic Flow Template (TFT) operation.
serviceNotSupported [Service Not Supported] (tmnxMobGwV1v0ServiceNotSupported)	long	The value of tmnxMobGwV1v0ServiceNotSupported indicates the number of messages received from or transmitted to this peer with cause code set to service not supported.
syntacticErrPktFlt [Syntactic Err Pkt Flt] (tmnxMobGwV1v0SyntacticErrPktFlt)	long	The value of tmnxMobGwV1v0SyntacticErrPktFlt indicates the number of messages received from or transmitted to this peer with cause code set to syntactic errors in packet filters.
syntacticErrTft [Syntactic Err Tft] (tmnxMobGwV1v0SyntacticErrTft)	long	The value of tmnxMobGwV1v0SyntacticErrTft indicates the number of messages received from or transmitted to this peer with cause code set to syntactic error in the Traffic Flow Template (TFT) operation.
sysFailure [Sys Failure] (tmnxMobGwV1v0SysFailure)	long	The value of tmnxMobGwV1v0SysFailure indicates the number of messages received from or transmitted to this peer with cause code set to system failure.
type [Type] (tmnxMobGwSigRefPtType)	int	The value of tmnxMobGwSigRefPtType specifies the type of this reference point.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownMandExtHdr [Unknown Mand Ext Hdr] (tmnxMobGwV1v0UnknownMandExtHdr)	long	The value of tmnxMobGwV1v0UnknownMandExtHdr indicates the number of messages received from or transmitted to this peer with cause code set to unknown mandatory extension header.
unknownPdpAdrOrType [Unknown Pdp Adr Or Type] (tmnxMobGwV1v0UnknownPdpAdrOrType)	long	The value of tmnxMobGwV1v0UnknownPdpAdrOrType indicates the number of messages received from or transmitted to this peer with cause code set to unknown Packet Data Protocol (PDP) address or PDP type.
userAuthFailed [User Auth Failed] (tmnxMobGwV1v0UserAuthFailed)	long	The value of tmnxMobGwV1v0UserAuthFailed indicates the number of messages received from or transmitted to this peer with cause code set to user authentication failed.
verNotSupported [Ver Not Supported] (tmnxMobGwV1v0VerNotSupported)	long	The value of tmnxMobGwV1v0VerNotSupported indicates the number of messages received from or transmitted to this peer with cause code set to version not supported.
<p>Gtpv2CauseCodeStats</p> <p>MIB entry name: tmnxMobGwGtpv2CauseCodeEntry</p> <p>Entry description: Each row entry represents a peer on a General Packet Radio Service (GPRS) Tunneling Protocol-Version 2 (GTPv2) reference point and contains cause code statistics for this peer on a card.</p> <p>Table description (for tmnxMobGwGtpv2CauseCodeTable): The tmnxMobGwGtpv2CauseCodeTable has an entry for each peer on the General Packet Radio Service (GPRS) Tunneling Protocol-Version 2 (GTPv2) reference points.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lte.S11Peer • lte.S2aGtpPeer • lte.S5Peer • lte.S8Peer • ltepmip.S2bPeer • ltesgsn.S4cPeer 		

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
accesChngNo3gppTo3gpp [Acces Chng No 3 gpp To 3 gpp] (tmnxMobGwCcAccesChngNo3gppTo3gpp)	long	The value of tmnxMobGwCcAccesChngNo3gppTo3gpp indicates the number of messages received on/transmitted from this peer with cause code set to access changed from Non-3GPP to 3GPP.
allDynAddrOccupied [All Dyn Addr Occupied] (tmnxMobGwCcAllDynAddrOccupied)	long	The value of tmnxMobGwCcAllDynAddrOccupied indicates the number of messages received on/transmitted from this peer with cause code set to all dynamic addresses are occupied.
apnAccessDenied [Apn Access Denied] (tmnxMobGwCcApnAccessDenied)	long	The value of tmnxMobGwCcApnAccessDenied indicates the number of messages received on/transmitted from this peer with cause code set to Access Point Name (APN) access denied - no subscription.
apnCongestion [Apn Congestion] (tmnxMobGwCcApnCongestion)	long	The value of tmnxMobGwCcApnCongestion indicates the number of messages received on/transmitted from this peer with cause code set to Access Point Name (APN) congestion.
apnRestrTypeIncompat [Apn Restr Type Incompat] (tmnxMobGwCcApnRestrTypeIncompat)	long	The value of tmnxMobGwCcApnRestrTypeIncompat indicates the number of messages received on/transmitted from this peer with cause code set to APN restriction type incompatible with currently active PDN connection.
brrHandleNotSupprtd [Brr Handle Not Supprtd] (tmnxMobGwCcBrrHandleNotSupprtd)	long	The value of tmnxMobGwCcBrrHandleNotSupprtd indicates the number of messages received on/transmitted from this peer with cause code set to bearer handling not supported.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
condleMissing [Cond le Missing] (tmnxMobGwCcCondleMissing)	long	The value of tmnxMobGwCcCondleMissing indicates the number of messages received on/transmitted from this peer with cause code set to conditional Information Elements (IE) missing.
contextNotFound [Context Not Found] (tmnxMobGwCcContextNotFound)	long	The value of tmnxMobGwCcContextNotFound indicates the number of messages received on/transmitted from this peer with cause code set to context not found.
deniedRat [Denied Rat] (tmnxMobGwCcDeniedRat)	long	The value of tmnxMobGwCcDeniedRat indicates the number of messages received on/transmitted from this peer with cause code set to denied in Radio Access Technology (RAT).
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
greKeyNotFound [Gre Key Not Found] (tmnxMobGwCcGREKeyNotFound)	long	The value of tmnxMobGwCcGREKeyNotFound indicates the number of messages received on/transmitted from this peer with cause code set to GRE key not found.
gtpcEntityCongestion [Gtpc Entity Congestion] (tmnxMobGwCcGtpcEntityCongestion)	long	The value of tmnxMobGwCcGtpcEntityCongestion indicates the number of messages received on/transmitted from this peer with cause code set to GTP-C Entity Congestion.
handoverInProgress [Handover In Progress] (tmnxMobGwCcHandoverInProgress)	long	The value of tmnxMobGwCcInvalidPeer indicates the number of messages received on/transmitted from this peer with cause code set to temporarily rejected due to handover procedure in progress.
imsilmeiNotKnown [Imsi lmei Not Known] (tmnxMobGwCcImsilmeiNotKnown)	long	The value of tmnxMobGwCcImsilmeiNotKnown indicates the number of messages received on/transmitted from this peer with cause code set to International Mobile Subscriber Identity (IMSI) or International Mobile Equipment Identity (IMEI) not known.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingrEgrDir [Ingr Egr Dir] (tmnxMobGwIngrEgrDir)	int	The value of tmnxMobGwIngrEgrDir indicates the transmission direction of the messages.
invMsgFormat [Inv Msg Format] (tmnxMobGwCclInvMsgFormat)	long	The value of tmnxMobGwCclInvMsgFormat indicates the number of messages received on/transmitted from this peer with cause code set to invalid Message Format.
invalidLength [Invalid Length] (tmnxMobGwCclInvalidLength)	long	The value of tmnxMobGwCclInvalidLength indicates the number of messages received on/transmitted from this peer with cause code set to invalid length.
invalidOvllenTrigPg [Invalid Ovllen Trig Pg] (tmnxMobGwCclInvalidOvllenTrigPg)	long	The value of tmnxMobGwCclInvalidOvllenTrigPg indicates the number of messages received on/transmitted from this peer with cause code set to invalid overall length of the triggered response message and a piggybacked initial message.
invalidPeer [Invalid Peer] (tmnxMobGwCclInvalidPeer)	long	The value of tmnxMobGwCclInvalidPeer indicates the number of messages received on/transmitted from this peer with cause code set to invalid peer.
invalidReplyRemPeer [Invalid Reply Rem Peer] (tmnxMobGwCclInvalidReplyRemPeer)	long	The value of tmnxMobGwCclInvalidReplyRemPeer indicates the number of messages received on/transmitted from this peer with cause code set to invalid reply from remote peer.
isrDeactivation [Isr Deactivation] (tmnxMobGwCclISRDeactivation)	long	The value of tmnxMobGwCclISRDeactivation indicates the number of messages received on/transmitted from this peer with cause code set to ISR Deactivation.
mandleMissing [Mandle Missing] (tmnxMobGwCcMandleMissing)	long	The value of tmnxMobGwCcMandleMissing indicates the number of messages received on/transmitted from this peer with cause code set to mandatory Information Elements (IE) missing.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
missingOrUnknownApn [Missing Or Unknown Apn] (tmnxMobGwCcMissingOrUnknownApn)	long	The value of tmnxMobGwCcMissingOrUnknownApn indicates the number of messages received on/transmitted from this peer with cause code set to missing or unknown Access Point Name (APN).
mndleIncorrect [Mnd le Incorrect] (tmnxMobGwCcMndleIncorrect)	long	The value of tmnxMobGwCcMndleIncorrect indicates the number of messages received on/transmitted from this peer with cause code set to mandatory Information Elements (IE) incorrect.
modifNoLimitS1uBearer [Modif No Limit S1 u Bearer] (tmnxMobGwCcModifNoLimitS1uBearer)	long	The value of tmnxMobGwCcModifNoLimitS1uBearer indicates the number of messages received on/transmitted from this peer with cause code set to modifications not limited to S1-U bearers.
multiPdnConNotAllowed [Multi Pdn Con Not Allowed] (tmnxMobGwCcMultiPdnConNotAllowed)	long	The value of tmnxMobGwCcMultiPdnConNotAllowed indicates the number of messages received on/transmitted from this peer with cause code set to multiple PDN connections for a given APN not allowed.
noMem [No Mem] (tmnxMobGwCcNoMem)	long	The value of tmnxMobGwCcNoMem indicates the number of messages received on/transmitted from this peer with cause code set to no memory available.
noResources [No Resources] (tmnxMobGwCcNoResources)	long	The value of tmnxMobGwCcNoResources indicates the number of messages received on/transmitted from this peer with cause code set to no resources available.
nwFailure [Nw Failure] (tmnxMobGwCcNetworkFailure)	long	The value of tmnxMobGwCcNetworkFailure indicates the number of messages received on/transmitted from this peer with cause code set to network failure.
others [Others] (tmnxMobGwCcOthers)	long	The value of tmnxMobGwCcOthers indicates the number of messages received on/transmitted from this peer with cause code set to other values.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnConInactivTimerExp [Pdn Con Inactiv Timer Exp] (tmnxMobGwCcPdnConInactivTimerExp)	long	The value of tmnxMobGwCcPdnConInactivTimerExp indicates the number of messages received on/transmitted from this peer with cause code set to PDN connection inactivity timer expired.
pdnNwPrefs [Pdn Nw Prefs] (tmnxMobGwCcPdnNwPrefs)	long	The value of tmnxMobGwCcPdnNwPrefs indicates the number of messages received on/transmitted from this peer with cause code set to new Packet Data Network (PDN) type due to network preference.
pdnReconToApnDisallow [Pdn Recon To Apn Disallow] (tmnxMobGwCcPdnReconToApnDisallow)	long	The value of tmnxMobGwCcPdnReconToApnDisallow indicates the number of messages received on/transmitted from this peer with cause code set to PDN reconnection to this APN disallowed.
pdnSingleAddrBearer [Pdn Single Addr Bearer] (tmnxMobGwCcPdnSingleAddrBearer)	long	The value of tmnxMobGwCcPdnSingleAddrBearer indicates the number of messages received on/transmitted from this peer with cause code set to new Packet Data Network (PDN) type due to single address bearer only.
peerIpAddress [Peer Ip Address] (tmnxMobGwSigPeerAddress)	String	The value of tmnxMobGwSigPeerAddress indicates the IP address of this peer on signaling reference points.
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwSigPeerAddressType)	int	The value of tmnxMobGwSigPeerAddressType indicates the type of address represented by tmnxMobGwSigPeerAddress.
peerType [Peer Type] (tmnxMobGwSigPeerType)	int	The tmnxMobGwSigPeerType is an enumerated integer that describes the type of a reference point peer.
prefPdnTypeNotSuprt [Pref Pdn Type Not Suprt] (tmnxMobGwCcPrefPdnTypeNotSuprt)	long	The value of tmnxMobGwCcPrefPdnTypeNotSuprt indicates the number of messages received on/transmitted from this peer with cause code set to preferred Packet Data Network (PDN) type not supported.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protoNotSupported [Proto Not Supported] (tmnxMobGwCcProtoNotSupported)	long	The value of tmnxMobGwCcProtoNotSupported indicates the number of messages received on/transmitted from this peer with cause code set to protocol type not supported.
qosParameterMismatch [Qos Parameter Mismatch] (tmnxMobGwCcQoSParameterMismatch)	long	The value of tmnxMobGwCcQoSParameterMismatch indicates the number of messages received on/transmitted from this peer with cause code set to QoS parameter mismatch.
ratChgdNon3gpp [Rat Chgd Non 3 gpp] (tmnxMobGwCcRatChgdNon3gpp)	long	The value of tmnxMobGwCcRatChgdNon3gpp indicates the number of messages received on/transmitted from this peer with cause code set to Radio Access Technology (RAT) changed from 3rd Generation Partnership Project (3GPP) to Non-3GPP.
reactivationReq [Reactivation Req] (tmnxMobGwCcReactivationReq)	long	The value of tmnxMobGwCcReactivationReq indicates the number of messages received on/transmitted from this peer with cause code set to reactivation requested.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.
remPeerNoResponse [Rem Peer No Response] (tmnxMobGwCcRemPeerNoResponse)	long	The value of tmnxMobGwCcRemPeerNoResponse indicates the number of messages received on/transmitted from this peer with cause code set to remote peer not responding.
reqAccepted [Req Accepted] (tmnxMobGwCcReqAccepted)	long	The value of tmnxMobGwCcReqAccepted indicates the number of messages received on/transmitted from this peer with cause code set to request accepted.
reqAcceptedPar [Req Accepted Par] (tmnxMobGwCcReqAcceptedPar)	long	The value of tmnxMobGwCcReqAcceptedPar indicates the number of messages received on/transmitted from this peer with cause code set to request accepted partially.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
requestRejected [Request Rejected] (tmnxMobGwCcRequestRejected)	long	The value of tmnxMobGwCcRequestRejected indicates the number of messages received on/transmitted from this peer with cause code set to request rejected.
semanticErrPktFlt [Semantic Err Pkt Flt] (tmnxMobGwCcSemanticErrPktFlt)	long	The value of tmnxMobGwCcSemanticErrPktFlt indicates the number of messages received on/transmitted from this peer with cause code set to semantic errors in packet filters.
semanticErrTad [Semantic Err Tad] (tmnxMobGwCcSemanticErrTad)	long	The value of tmnxMobGwCcSemanticErrTad indicates the number of messages received on/transmitted from this peer with cause code set to semantic error in the Traffic Aggregate Description (TAD) operation.
semanticErrTft [Semantic Err Tft] (tmnxMobGwCcSemanticErrTft)	long	The value of tmnxMobGwCcSemanticErrTft indicates the number of messages received on/transmitted from this peer with cause code set to semantic error in the Traffic Flow Template (TFT) operation.
serviceDenied [Service Denied] (tmnxMobGwCcServiceDenied)	long	The value of tmnxMobGwCcServiceDenied indicates the number of messages received on/transmitted from this peer with cause code set to service denied.
serviceNotSupported [Service Not Supported] (tmnxMobGwCcServiceNotSupported)	long	The value of tmnxMobGwCcServiceNotSupported indicates the number of messages received on/transmitted from this peer with cause code set to service not supported.
sgwRecoveryIdle [Sgw Recovery Idle] (tmnxMobGwCcSgwRecoveryIdle)	long	The value of tmnxMobGwCcSgwRecoveryIdle indicates the number of messages received on/transmitted from this peer with cause code set to idle recover.
syntacticErrTad [Syntactic Err Tad] (tmnxMobGwCcSyntacticErrTad)	long	The value of tmnxMobGwCcSemanticErrTad indicates the number of messages received on/transmitted from this peer with cause code set to syntactic error in the Traffic Aggregate Description (TAD) operation.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
syntaxErrPktFilter [Syntax Err Pkt Filter] (tmnxMobGwCcSyntaxErrPktFilter)	long	The value of tmnxMobGwCcSyntaxErrPktFilter indicates the number of messages received on/transmitted from this peer with cause code set to syntactic errors in packet filters.
syntaxErrTft [Syntax Err Tft] (tmnxMobGwCcSyntaxErrTft)	long	The value of tmnxMobGwCcSyntaxErrTft indicates the number of messages received on/transmitted from this peer with cause code set to syntactic error in the Traffic Flow Template (TFT) operation.
sysFailure [Sys Failure] (tmnxMobGwCcSysFailure)	long	The value of tmnxMobGwCcSysFailure indicates the number of messages received on/transmitted from this peer with cause code set to system failure.
type [Type] (tmnxMobGwSigRefPtType)	int	The value of tmnxMobGwSigRefPtType specifies the type of this reference point.
ueAlreadyReattached [Ue Already Reattached] (tmnxMobGwCcUeAlreadyReattached)	long	The value of tmnxMobGwCcUeAlreadyReattached indicates the number of messages received on/transmitted from this peer with cause code set to UE already re-attached.
ueCtxActdWithoutTft [Ue Ctx Actd Without Tft] (tmnxMobGwCcUeCtxActdWithoutTft)	long	The value of tmnxMobGwCcUeCtxActdWithoutTft indicates the number of messages received on/transmitted from this peer with cause code set to User Equipment (UE) context without Traffic Flow Template (TFT) already activated.
ueNotResponding [Ue Not Responding] (tmnxMobGwCcUeNotResponding)	long	The value of tmnxMobGwCcUeNotResponding indicates the number of messages received on/transmitted from this peer with cause code set to User Equipment (UE) not responding.
ueRefuses [Ue Refuses] (tmnxMobGwCcUeRefuses)	long	The value of tmnxMobGwCcUeRefuses indicates the number of messages received on/transmitted from this peer with cause code set to User Equipment (UE) refuses.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unablePageDueSusp [Unable Page Due Susp] (tmnxMobGwCcUnablePageDueSusp)	long	The value of tmnxMobGwCcUnablePageDueSusp indicates the number of messages received on/transmitted from this peer with cause code set to unable to page User Equipment (UE) due to Suspension.
unableToPageUe [Unable To Page Ue] (tmnxMobGwCcUnableToPageUe)	long	The value of tmnxMobGwCcUnableToPageUe indicates the number of messages received on/transmitted from this peer with cause code set to unable to page User Equipment (UE).
userAuthFailed [User Auth Failed] (tmnxMobGwCcUserAuthFailed)	long	The value of tmnxMobGwCcUserAuthFailed indicates the number of messages received on/transmitted from this peer with cause code set to user authentication failed.
verNotSupported [Ver Not Supported] (tmnxMobGwCcVerNotSupported)	long	The value of tmnxMobGwCcVerNotSupported indicates the number of messages received on/transmitted from this peer with cause code set to version not supported by next peer.
<p>PcmdStats</p> <p>MIB entry name: tmnxMobGwEntry</p> <p>Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed.</p> <p>Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.PDNGateway</p>		
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcmdDataRecBytes [Pcmd Data Rec Bytes] (tmnxMobPdnPcmdDataRecBytes)	java. math. BigInteger	The value of tmnxMobPdnPcmdDataRecBytes indicates the number of bytes of all pcmd data records sent excluding IP/UDP.
pcmdDataRecCnt [Pcmd Data Rec Cnt] (tmnxMobPdnPcmdDataRecCnt)	java. math. BigInteger	The value of tmnxMobPdnPcmdDataRecCnt indicates the number of packets of all pcmd data records sent. Concatenation or fragmentation of records within packet is possible.
pcmdSessRecBytes [Pcmd Sess Rec Bytes] (tmnxMobPdnPcmdSessRecBytes)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessRecBytes indicates the number of bytes of all pcmd session records sent excluding IP/UDP.
pcmdSessRecCnt [Pcmd Sess Rec Cnt] (tmnxMobPdnPcmdSessRecCnt)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessRecCnt indicates the number of packets of all pcmd session records sent. Concatenation or fragmentation of records within packet is possible.
pcmdSessRecFailure [Pcmd Sess Rec Failure] (tmnxMobPdnPcmdSessRecFailure)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessRecFailure indicates the number of pcmd session records with result failure.
pcmdSessRecLifeTimeFailure [Pcmd Sess Rec Life Time Failure] (tmnxMobPdnPcmdSessGenRecFailure)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessGenRecFailure indicates the number of of all generated pcmd session records for failure cases. This includes sent and not sent records.
pcmdSessRecLifeTimeSuccess [Pcmd Sess Rec Life Time Success] (tmnxMobPdnPcmdSessGenRecSuccess)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessGenRecSuccess indicates the number of of all generated pcmd session records for successful cases. This includes sent and not sent records.
pcmdSessRecSuccess [Pcmd Sess Rec Success] (tmnxMobPdnPcmdSessRecSuccess)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessRecSuccess indicates the number of standard pcmd session records with result success.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcmdSessRecSuccessExt [Pcmd Sess Rec Success Ext] (tmnxMobPdnPcmdSessRecSuccessExt)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessRecSuccessExt indicates the number of extended pcmd session records with result success.
pcmdSessRecSuccessLtd [Pcmd Sess Rec Success Ltd] (tmnxMobPdnPcmdSessRecSuccessLtd)	java. math. BigInteger	The value of tmnxMobPdnPcmdSessRecSuccessLtd indicates the number of pcmd session records with result success downgraded from extended to standard due to CPU limitation.
slotId [Slot Id] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
<p>PdnApnAdditionalStats</p> <p>MIB entry name: tmnxMobPdnApnEntry</p> <p>Entry description: Each row entry represents an Access Point Name (APN). Entries can be created and deleted by the user.</p> <p>Table description (for tmnxMobPdnApnTable): The tmnxMobPdnApnTable has an entry for each Access Point Name (APN). An APN identifies an external network that is accessible from a terminal.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.PdnApn</p>		
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
empslmsSess [Emps lms Sess] (tmnxMobPdnApnStatEmpslmsSess)	long	The value of tmnxMobPdnApnStatEmpslmsSess indicates the number of Enhanced Multimedia Priority Service (eMPS) IMS sessions.
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
epdgSvrAlloc [Epdg Svr Alloc] (tmnxMobPdnApnStatEpdgSvrAlloc)	long	The value of tmnxMobPdnApnStatEpdgSvrAlloc indicates the number of PDN Gateway (PGW) sessions with evolved Packet Data Gateway (ePDG) servers allocated.
epdgSvrReq [Epdg Svr Req] (tmnxMobPdnApnStatEpdgSvrReq)	long	The value of tmnxMobPdnApnStatEpdgSvrReq indicates the number of PDN Gateway (PGW) sessions with evolved Packet Data Gateway (ePDG) servers requested.
idl0mTo30m [Idl 0 m To 30 m] (tmnxMobPdnApnStatSessIdl0mTo30m)	long	The value of tmnxMobPdnApnStatSessIdl0mTo30m indicates the number of Packet Data Network (PDN) sessions that have been idle for zero to thirty minutes.
idl10dPlus [Idl 10 d Plus] (tmnxMobPdnApnStatSessIdl10dPlus)	long	The value of tmnxMobPdnApnStatSessIdl10dPlus indicates the number of Packet Data Network (PDN) sessions that have been idle for more than ten days.
idl12hTo24h [Idl 12 h To 24 h] (tmnxMobPdnApnStatSessIdl12hTo24h)	long	The value of tmnxMobPdnApnStatSessIdl12hTo24h indicates the number of Packet Data Network (PDN) sessions that have been idle for twelve hours to twenty four hours.
idl1dTo2d [Idl 1 d To 2 d] (tmnxMobPdnApnStatSessIdl1dTo2d)	long	The value of tmnxMobPdnApnStatSessIdl1dTo2d indicates the number of Packet Data Network (PDN) sessions that have been idle for one day to two days.
idl1hTo3h [Idl 1 h To 3 h] (tmnxMobPdnApnStatSessIdl1hTo3h)	long	The value of tmnxMobPdnApnStatSessIdl1hTo3h indicates the number of Packet Data Network (PDN) sessions that have been idle for one hour to three hours.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
idl2dTo5d [Idl 2 d To 5 d] (tmnxMobPdnApnStatSessIdl2dTo5d)	long	The value of tmnxMobPdnApnStatSessIdl2dTo5d indicates the number of Packet Data Network (PDN) sessions that have been idle for two days to five days.
idl30mTo1h [Idl 30 m To 1 h] (tmnxMobPdnApnStatSessIdl30mTo1h)	long	The value of tmnxMobPdnApnStatSessIdl30mTo1h indicates the number of Packet Data Network (PDN) sessions that have been idle for thirty minutes to one hour.
idl3hTo6h [Idl 3 h To 6 h] (tmnxMobPdnApnStatSessIdl3hTo6h)	long	The value of tmnxMobPdnApnStatSessIdl3hTo6h indicates the number of Packet Data Network (PDN) sessions that have been idle for three hours to six hours.
idl5dTo10d [Idl 5 d To 10 d] (tmnxMobPdnApnStatSessIdl5dTo10d)	long	The value of tmnxMobPdnApnStatSessIdl5dTo10d indicates the number of Packet Data Network (PDN) sessions that have been idle for five days to ten days.
idl6hTo12h [Idl 6 h To 12 h] (tmnxMobPdnApnStatSessIdl6hTo12h)	long	The value of tmnxMobPdnApnStatSessIdl6hTo12h indicates the number of Packet Data Network (PDN) sessions that have been idle for six hours to twelve hours.
nonIpPdnSess [Non Ip Pdn Sess] (tmnxMobPdnApnStatNonIpPdnSess)	long	The value of tmnxMobPdnApnStatNonIpPdnSess indicates the number of non-IP PDN Sessions being served.
rtrAdvPackTx [Rtr Adv Pack Tx] (tmnxMobPdnApnStatRtrAdvPackTx)	java. math. BigInte- ger	The value of tmnxMobPdnApnStatRtrAdvPackTx indicates the number of packets sent for Router Advertisement.
rtrSolPackDrop [Rtr Sol Pack Drop] (tmnxMobPdnApnStatRtrSolPackDrop)	java. math. BigInte- ger	The value of tmnxMobPdnApnStatRtrSolPackDrop indicates the number of packets dropped for Router Solicitation.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtrSolPackRx [Rtr Sol Pack Rx] (tmnxMobPdnApnStatRtrSolPackRx)	java. math. BigInteger	The value of tmnxMobPdnApnStatRtrSolPackRx indicates the number of packets received for Router Solicitation.
twagNswoSess [Twag NswoSess] (tmnxMobPdnApnStatTwagNswoSess)	long	The value of tmnxMobPdnApnStatTwagNswoSess indicates the number of Trusted WLAN Access Gateway (TWAG) NSW0 sessions.
twagSamogSess [Twag Samog Sess] (tmnxMobPdnApnStatTwagSamogSess)	long	The value of tmnxMobPdnApnStatTwagSamogSess indicates the number of Trusted WLAN Access Gateway (TWAG) SAMOG sessions.
<p>PdnApnAttachFailureStats</p> <p>MIB entry name: tmnxMobPdnApnAttFailureStatEntry</p> <p>Entry description: Each row entry represents a Access Point Name (APN) on a Packet Data Network Gateway (PGW) of Mobility Service Module (MSM) and contains session attach failure statistics for this card.</p> <p>Table description (for tmnxMobPdnApnAttFailureStatTable): The tmnxMobPdnApnAttFailureStatTable has an entry for each Access Point Name (APN) on a Packet Data Network Gateway (PGW) of Mobility Service Module (MSM) configured in the mobility system group defined for a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PdnApn</p>		
acctResourceFail [Acct Resource Fail] (tmnxMobPdnApnAfAcctResourceFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfAcctResourceFail indicates the number of session attach failures due to accounting resource failure.
addrAllocFail [Addr Alloc Fail] (tmnxMobPdnApnAfAddrAllocFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfAddrAllocFail indicates the number of session attach failures due to address allocation failed for Access Point Name (APN) manager.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addrPoolExhausted [Addr Pool Exhausted] (tmnxMobPdnApnAfAddrPoolExhausted)	java. math. BigInteger	The value of tmnxMobPdnApnAfAddrPoolExhausted indicates the number of session attach failures due to address pool is exhausted for Access Point Name (APN) manager.
addrPoolInvalMscp [Addr Pool Inval Mscp] (tmnxMobPdnApnAfAddrPoolInvalMscp)	java. math. BigInteger	The value of tmnxMobPdnApnAfAddrPoolInvalMscp indicates the number of session attach failures due to address pool's invalid MSCP for Access Point Name (APN) manager.
addrPoolMissing [Addr Pool Missing] (tmnxMobPdnApnAfAddrPoolMissing)	java. math. BigInteger	The value of tmnxMobPdnApnAfAddrPoolExhausted indicates the number of session attach failures due to address pool is missing for Access Point Name (APN) manager.
apnAccessDenied [Apn Access Denied] (tmnxMobPdnApnAfApnAccessDenied)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnAccessDenied indicates the number of session attach failures due to access denied for given Access Point Name (APN).
apnMgrInternalErr [Apn Mgr Internal Err] (tmnxMobPdnApnAfApnMgrInternalErr)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnMgrInternalErr indicates the number of session attach failures due to internal error into the Access Point Name (APN) manager.
apnMgrMsgSendFail [Apn Mgr Msg Send Fail] (tmnxMobPdnApnAfApnMgrMsgSendFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnMgrMsgSendFail indicates the number of session attach failures due to message for Access Point Name (APN) manager could not be sent.
apnMgrNoResources [Apn Mgr No Resources] (tmnxMobPdnApnAfApnMgrNoResources)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnMgrNoResources indicates the number of session attach failures due to resources not available in Access Point Name (APN) manager.
apnMgrSelModeMm [Apn Mgr Sel Mode Mm] (tmnxMobPdnApnAfApnMgrSelModeMm)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnMgrSelModeMm indicates the number of session attach failures due to selection mode mismatch in Access Point Name (APN) manager.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
apnMgrSvcNotSupp [Apn Mgr Svc Not Supp] (tmnxMobPdnApnAfApnmgrSvcNotSupp)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnmgrSvcNotSupp indicates the number of session attach failures due to service is not supported.
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
apnRestricted [Apn Restricted] (tmnxMobPdnApnAfApnRestricted)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnRestricted indicates the number of session attach failures due to Access Point Name (APN) is restricted.
authFailed [Auth Failed] (tmnxMobPdnApnAfAuthFailed)	java. math. BigInteger	The value of tmnxMobPdnApnAfAuthFailed indicates the number of session attach failures due to authentication failed.
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
chrgMissingProf [Chrg Missing Prof] (tmnxMobPdnApnAfChrgMissingProf)	java. math. BigInteger	The value of tmnxMobPdnApnAfChrgMissingProf indicates the number of session attach failures due to charging characteristics and charging profile missing.
delReqAttInProg [Del Req Att In Prog] (tmnxMobPdnApnAfDelReqAttInProg)	java. math. BigInteger	The value of tmnxMobPdnApnAfDelReqAttInProg indicates the number of session attach failures due to delete request received while attach is in progress.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
diaAmsError [Dia Ams Error] (tmnxMobPdnApnAfDiaAmsError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaAmsError indicates the number of session attach failures due to diameter module unable to send AMS error message.
diaAuthenticFail [Dia Authentic Fail] (tmnxMobPdnApnAfDiaAuthenticFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaAuthenticFail indicates the number of session attach failures due to diameter authentication rejected.
diaAuthorizeFail [Dia Authorize Fail] (tmnxMobPdnApnAfDiaAuthorizeFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaAuthorizeFail indicates the number of session attach failures due to diameter authorization rejected.
diaGenDecodeError [Dia Gen Decode Error] (tmnxMobPdnApnAfDiaGenDecodeError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaGenDecodeError indicates the number of session attach failures due to decoding error in diameter protocol.
diaGenEncodeError [Dia Gen Encode Error] (tmnxMobPdnApnAfDiaGenEncodeError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaGenEncodeError indicates the number of session attach failures due to encoding error in diameter protocol.
diaInternalError [Dia Internal Error] (tmnxMobPdnApnAfDiaInternalError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaInternalError indicates the number of session attach failures due to internal error into the diameter module.
diaMemoryError [Dia Memory Error] (tmnxMobPdnApnAfDiaMemoryError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaMemoryError indicates the number of session attach failures due to diameter module is going out of memory.
diaPcrfDisabled [Dia Pcrf Disabled] (tmnxMobPdnApnAfDiaPcrfDisabled)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaPcrfDisabled indicates the number of session attach failures due to Policy and Charging Rules Function (PCRF) is being disabled.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
diaPcrfDown [Dia Pcrf Down] (tmnxMobPdnApnAfDiaPcrfDown)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaPcrfDown indicates the number of session attach failures due to Policy and Charging Rules Function (PCRF) going down.
diaSessionDown [Dia Session Down] (tmnxMobPdnApnAfDiaSessionDown)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaSessionDown indicates the number of session attach failures due to diameter session was going down.
diaTimerError [Dia Timer Error] (tmnxMobPdnApnAfDiaTimerError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaTimerError indicates the number of session attach failures due to unable to start timer in diameter protocol.
diaTxTimerExpire [Dia Tx Timer Expire] (tmnxMobPdnApnAfDiaTxTimerExpire)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaTxTimerExpire indicates the number of session attach failures due to timer expired while waiting for Credit Control Answer (CCA) in diameter protocol.
diaUsrUnknown [Dia Usr Unknown] (tmnxMobPdnApnAfDiaUsrUnknown)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaUsrUnknown indicates the number of session attach failures due to Diameter User Unknown error.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
epdgEmgProfDnsReject [Epdg Emg Prof Dns Reject] (tmnxMobPdnApnAfConRejEpdgEmerDns)	java. math. BigInteger	The value of tmnxMobPdnApnAfConRejEpdgEmerDns indicates the number of session attach failures of Packet Data Network (PDN) connections due to issues of DNS resolution from the evolved Packet Data Gateway (ePDG) emergency profile.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epdgEmgProfReject [Epdg Emg Prof Reject] (tmnxMobPdnApnAfConRejEpdgEmer)	java. math. BigInteger	The value of tmnxMobPdnApnAfConRejEpdgEmer indicates the number of session attach failures of Packet Data Network (PDN) connections due to evolved Packet Data Gateway (ePDG) emergency profile rejection.
invalidle [Invalid Ie] (tmnxMobPdnApnAfInvalidle)	java. math. BigInteger	The value of tmnxMobPdnApnAfInvalidle indicates the number of session attach failures due to invalid Information Element (IE) in a request to the Access Point Name (APN) manager.
invidMandatoryIe [Invid Mandatory Ie] (tmnxMobPdnApnAfInvidMandatoryIe)	java. math. BigInteger	The value of tmnxMobPdnApnAfInvidMandatoryIe indicates the number of session attach failures due to invalid mandatory Information Element (IE).
mPDNperApnNA [MPDNper Apn NA] (tmnxMobPdnApnAfMpdnPerApnNARej)	java. math. BigInteger	The value of tmnxMobPdnApnAfMpdnPerApnNARej indicates the number of session attach failures of PDN connections due to multiple PDNs not being allowed for given APN.
missingle [Missing Ie] (tmnxMobPdnApnAfMissingle)	java. math. BigInteger	The value of tmnxMobPdnApnAfMissingle indicates the number of session attach failures due to missing Information Element (IE) in a request to the Access Point Name (APN) manager.
missingUknApn [Missing Ukn Apn] (tmnxMobPdnApnAfMissingUknApn)	java. math. BigInteger	The value of tmnxMobPdnApnAfMissingUknApn indicates the number of session attach failures due to missing or unknown Access Point Name (APN).
mnAAAFailWithApnMgr [Mn AAAFail With Apn Mgr] (tmnxMobPdnApnAfApnMgrMnAaaAuth)	java. math. BigInteger	The value of tmnxMobPdnApnAfApnMgrMnAaaAuth indicates the number of session attach failures due to Mobile Node Authentication, Authorization, and Accounting (MN-AAA) authentication fail in Access Point Name (APN) Manager.
pcrfSessRelease [Pcrf Sess Release] (tmnxMobPdnApnAfPcrfSessRelease)	java. math. BigInteger	The value of tmnxMobPdnApnAfPcrfSessRelease indicates the number of session attach failures due to Policy and Charging Rules Function (PCRF) session is released while session attach is in progress.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnConTypeNotSupp [Pdn Con Type Not Supp] (tmnxMobPdnApnAfPdnConTypeNotSupp)	java. math. BigInteger	The value of tmnxMobPdnApnAfPdnConTypeNotSupp indicates the number of session attach failures due to PDN connection type is not supported.
rlbsChgFailDefBr [Rlbs Chg Fail Def Br] (tmnxMobPdnApnAfRlbsChgFailDefBr)	java. math. BigInteger	The value of tmnxMobPdnApnAfRlbsChgFailDefBr indicates the number of session attach failures due to Online Charging System (OCS) rule base change failed on default bearer.
roSetupFail [Ro Setup Fail] (tmnxMobPdnApnAfRoSetupFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfRoSetupFail indicates the number of session attach failures due to failure of Credit Control Answer (CCA) initial response to default bearer in online charging.
sendGxCcriFail [Send Gx Ccri Fail] (tmnxMobPdnApnAfSendGxCcriFail)	java. math. BigInteger	The value of tmnxMobPdnApnAfSendGxCcriFail indicates the number of session attach failures due to unable to send Credit Control Request (CCR) Initial message to Gx interface after Access Point Name (APN) manager response.
smgrBadParam [Smgr Bad Param] (tmnxMobPdnApnAfSmgrBadParam)	java. math. BigInteger	The value of tmnxMobPdnApnDsSmgrBadParam indicates the number of session attach failures due to session manager recieved bad parameters from GPRS Tunneling Protocol (GTP) protocol.
smgrMemoryError [Smgr Memory Error] (tmnxMobPdnApnAfSmgrMemoryError)	java. math. BigInteger	The value of tmnxMobPdnApnAfDiaMemoryError indicates the number of session attach failures due to session manager module is going out of memory.
smgrServNotSupp [Smgr Serv Not Supp] (tmnxMobPdnApnAfSmgrServNotSupp)	java. math. BigInteger	The value of tmnxMobPdnApnAfSmgrServNotSupp indicates the number of session attach failures due to service not supported in session manager.
userAuthFailed [User Auth Failed] (tmnxMobPdnApnAfUserAuthFailed)	java. math. BigInteger	The value of tmnxMobPdnApnAfUserAuthFailed indicates the number of session attach failures due to user authentication failed.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnApnDeleteSessionStats</p> <p>MIB entry name: tmnxMobPdnApnDelSessionStatEntry</p> <p>Entry description: Each row entry represents a Access Point Name (APN) on a Packet Data Network Gateway (PGW) of Mobility Service Module (MSM) and contains statistics for this card.</p> <p>Table description (for tmnxMobPdnApnDelSessionStatTable): The tmnxMobPdnApnDelSessionStatTable has an entry for each Access Point Name (APN) on a Packet Data Network Gateway (PGW) of Mobility Service Module (MSM) configured in the mobility system group defined for a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PdnApn</p>		
acctApnDenyNoSub [Acct Apn Deny No Sub] (tmnxMobPdnApnDsAcctApnDenyNoSub)	java. math. BigInteger	The value of tmnxMobPdnApnDsAcctApnDenyNoSub indicates the number of sessions deleted due to APN Denied No Subscription.
acctIdleTimeout [Acct Idle Timeout] (tmnxMobPdnApnDsAcctIdleTimeout)	java. math. BigInteger	The value of tmnxMobPdnApnDsAcctIdleTimeout indicates the number of sessions deleted due to accounting idle timeout.
acctResourceFail [Acct Resource Fail] (tmnxMobPdnApnDsAcctResourceFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsAcctResourceFail indicates the number of sessions deleted due to accounting resource failure.
addrAllocFail [Addr Alloc Fail] (tmnxMobPdnApnDsAddrAllocFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsAddrAllocFail indicates the number of sessions deleted due to address allocation failed for Access Point Name (APN) manager.
addrPoolExhausted [Addr Pool Exhausted] (tmnxMobPdnApnDsAddrPoolExhausted)	java. math. BigInteger	The value of tmnxMobPdnApnDsAddrPoolExhausted indicates the number of sessions deleted due to address pool is exhausted for Access Point Name (APN) manager.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
addrPoolMissing [Addr Pool Missing] (tmnxMobPdnApnDsAddrPoolMissing)	java. math. BigInteger	The value of tmnxMobPdnApnDsAddrPoolExhausted indicates the number of sessions deleted due to address pool is missing for Access Point Name (APN) manager.
admnClearApn [Admn Clear Apn] (tmnxMobPdnApnDsAdmnClearApn)	java. math. BigInteger	The value of tmnxMobPdnApnDsAdmnClearApn indicates the number of sessions deleted due to clear APN operation from administrator.
admnClearImsi [Admn Clear Imsi] (tmnxMobPdnApnDsAdmnClearImsi)	java. math. BigInteger	The value of tmnxMobPdnApnDsAdmnClearImsi indicates the number of sessions deleted due to clear imsi operation from administrator.
admnClrImsiLocal [Admn Clr Imsi Local] (tmnxMobPdnApnDsAdmnClrImsiLocal)	java. math. BigInteger	The value of tmnxMobPdnApnDsAdmnClrImsiLocal indicates the number of sessions deleted due to local clear imsi operation from administrator.
admnClrImsiReatch [Admn Clr Imsi Reatch] (tmnxMobPdnApnDsAdmnClrImsiReatch)	java. math. BigInteger	The value of tmnxMobPdnApnDsAdmnClrImsiReatch indicates the number of sessions deleted due to clear imsi operation because of reattach.
admnGtwShutdown [Admn Gtw Shutdown] (tmnxMobPdnApnDsAdmnGtwShutdown)	java. math. BigInteger	The value of tmnxMobPdnApnDsAdmnGtwShutdown indicates the number of sessions deleted due to gateway shutdown operation from administrator.
apnAccessDenied [Apn Access Denied] (tmnxMobPdnApnDsApnAccessDenied)	java. math. BigInteger	The value of tmnxMobPdnApnDsApnAccessDenied indicates the number of sessions deleted due to access denied for given Access Point Name (APN).
apnMgrMissingle [Apn Mgr Missing Ie] (tmnxMobPdnApnDsApnMgrMissingle)	java. math. BigInteger	The value of tmnxMobPdnApnDsApnMgrMissingle indicates the number of sessions deleted due to missing Information Element (IE) in a request to the Access Point Name (APN) manager.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
apnMgrSessRel [Apn Mgr Sess Rel] (tmnxMobPdnApnDsApnMgrSessRel)	java. math. BigInteger	The value of tmnxMobPdnApnDsApnMgrSessRel indicates the number of sessions deleted due to Access Point Name (APN) Manager initiation.
apnMgrSvcNotSupp [Apn Mgr Svc Not Supp] (tmnxMobPdnApnDsApnmgrSvcNotSupp)	java. math. BigInteger	The value of tmnxMobPdnApnDsApnmgrSvcNotSupp indicates the number of sessions deleted due to service is not supported.
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
apnRestricted [Apn Restricted] (tmnxMobPdnApnDsApnRestricted)	java. math. BigInteger	The value of tmnxMobPdnApnDsApnRestricted indicates the number of sessions deleted due to Access Point Name (APN) is restricted.
authFailed [Auth Failed] (tmnxMobPdnApnDsAuthFailed)	java. math. BigInteger	The value of tmnxMobPdnApnDsAuthFailed indicates the number of sessions deleted due to authentication failed.
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
ccfhVolLimit [Ccfh Vol Limit] (tmnxMobPdnApnDsCcfhVolLimit)	java. math. BigInteger	The value of tmnxMobPdnApnDsCcfhVolLimit indicates the number of session deleted due to CCFH volume expiry.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ctxtNotFound [Ctxt Not Found] (tmnxMobPdnApnDsCtxtNotFound)	java. math. BigInteger	The value of tmnxMobPdnApnDsCtxtNotFound indicates the number of sessions deleted due to update request received for Serving GPRS Support Node (SGSN) relocation failed.
diaAmsError [Dia Ams Error] (tmnxMobPdnApnDsDiaAmsError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaAmsError indicates the number of sessions deleted due to diameter module unable to send AMS error message.
diaAuthorizeFail [Dia Authorize Fail] (tmnxMobPdnApnDsDiaAuthorizeFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaAuthorizeFail indicates the number of sessions deleted due to diameter authorization failure.
diaGenDecodeError [Dia Gen Decode Error] (tmnxMobPdnApnDsDiaGenDecodeError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaGenDecodeError indicates the number of sessions deleted due to decoding error in diameter protocol.
diaGenEncodeError [Dia Gen Encode Error] (tmnxMobPdnApnDsDiaGenEncodeError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaGenEncodeError indicates the number of sessions deleted due to encoding error in diameter protocol.
diaInternalError [Dia Internal Error] (tmnxMobPdnApnDsDiaInternalError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaInternalError indicates the number of sessions deleted due to internal error into the diameter module.
diaMemoryError [Dia Memory Error] (tmnxMobPdnApnDsDiaMemoryError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaMemoryError indicates the number of sessions deleted due to diameter module is going out of memory.
diaPcrfDisabled [Dia Pcrf Disabled] (tmnxMobPdnApnDsDiaPcrfDisabled)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaPcrfDisabled indicates the number of sessions deleted due to Policy and Charging Rules Function (PCRF) is being disabled.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
diaPcrfDown [Dia Pcrf Down] (tmnxMobPdnApnDsDiaPcrfDown)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaPcrfDown indicates the number of sessions deleted due to Policy and Charging Rules Function (PCRF) going down.
diaSessionDown [Dia Session Down] (tmnxMobPdnApnDsDiaSessionDown)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaSessionDown indicates the number of sessions deleted due to diameter session was going down.
diaTimerError [Dia Timer Error] (tmnxMobPdnApnDsDiaTimerError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaTimerError indicates the number of sessions deleted due to unable to start timer in diameter protocol.
diaTxTimerExpire [Dia Tx Timer Expire] (tmnxMobPdnApnDsDiaTxTimerExpire)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaTxTimerExpire indicates the number of sessions deleted due to timer expired while waiting for Credit Control Answer (CCA) in diameter protocol.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
epdgToLteHoFail [Epdg To Lte Ho Fail] (tmnxMobPdnApnDsEpdgToLteHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsEpdgToLteHoFail indicates the number of sessions deleted due to failure in session handover from Evolved Packet Data Gateway (EPDG) to LTE.
fhSessContTimer [Fh Sess Cont Timer] (tmnxMobPdnApnDsFhSessContTimer)	java. math. BigInteger	The value of tmnxMobPdnApnDsFhSessContTimer indicates the number of sessions deleted due to expiry of Credit Control Failure Handling (CCFH) session continue timer in online charging.
fourGTo3gHoFail [Four GTo 3 g Ho Fail] (tmnxMobPdnApnDs4gTo3gHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDs4gTo3gHoFail indicates the number of sessions deleted due to 4G to 3G handover failed.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
geoRedAudit [Geo Red Audit] (tmnxMobPdnApnDsGeoRedAudit)	java. math. BigInteger	The value of tmnxMobPdnApnDsGeoRedAudit indicates the number of sessions deleted due to Geo redundancy audit.
gtpAddrAllocFail [Gtp Addr Alloc Fail] (tmnxMobPdnApnDsGtpAddrAllocFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpAddrAllocFail indicates the number of sessions deleted due to address allocation failed in GTP manager.
gtpBrNotFound [Gtp Br Not Found] (tmnxMobPdnApnDsGtpBrNotFound)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpBrNotFound indicates the number of sessions deleted due to bearer present on SGW but not on the PGW.
gtpCtxNotFound [Gtp Ctx Not Found] (tmnxMobPdnApnDsGtpCtxNotFound)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpCtxNotFound indicates the number of sessions deleted due to context not found in GTP manager.
gtpDedBrCrtFail [Gtp Ded Br Crt Fail] (tmnxMobPdnApnDsGtpDedBrCrtFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpDedBrCrtFail indicates the number of sessions deleted due to dedicated bearer creation failed.
gtpDellnProgress [Gtp Del In Progress] (tmnxMobPdnApnDsGtpDellnProgress)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpDellnProgress indicates the number of sessions deleted due to delete operation is in progress on the peer gateway.
gtpDwnlCrtFail [Gtp Dwnl Crt Fail] (tmnxMobPdnApnDsGtpDwnlCrtFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpDwnlCrtFail indicates the number of sessions deleted due to downlink creation failed.
gtpHoFail [Gtp Ho Fail] (tmnxMobPdnApnDsGtpHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpUeNwlnitDetach indicates the number of sessions deleted due to handover failed in the GTP manager.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gtpInternalError [Gtp Internal Error] (tmnxMobPdnApnDsGtpInternalError)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpInternalError indicates the number of sessions deleted due to internal failure in the GTP.
gtpInvalidle [Gtp Invalid le] (tmnxMobPdnApnDsGtpInvalidle)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpInvalidle indicates the number of sessions deleted due to invalid IE detected in GTP manager.
gtpMissingle [Gtp Missing le] (tmnxMobPdnApnDsGtpMissingle)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpMissingle indicates the number of session attach failures due to missing Information Element (IE) in a request to the GTP manager.
gtpMmeNoResp [Gtp Mme No Resp] (tmnxMobPdnApnDsGtpMmeNoResp)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpMmeNoResp indicates the number of sessions deleted due to SGW does not receive any response messages from MME.
gtpNoBrResources [Gtp No Br Resources] (tmnxMobPdnApnDsGtpNoBrResources)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpNoBrResources indicates the number of sessions deleted due to bearer resources not found in GTP manager.
gtpPdnPresent [Gtp Pdn Present] (tmnxMobPdnApnDsGtpPdnPresent)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpPdnPresent indicates the number of sessions deleted due to PDN session already present on PGW.
gtpPdnSesNotFound [Gtp Pdn Ses Not Found] (tmnxMobPdnApnDsGtpPdnSesNotFound)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpPdnSesNotFound indicates the number of sessions deleted due to the PDN session is present on SGW but it is not present on PGW.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gtpPeerRestart [Gtp Peer Restart] (tmnxMobPdnApnDsGtpPeerRestart)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpPeerRestart indicates the number of sessions deleted due to peer Serving GPRS Support Node (SGSN) or Serving Gateway (SGW) restarted for Packet Data Network Gateway (PGW) or peer PGW or Mobility Management Entity (MME) restarted for SGW.
gtpPgwNoResp [Gtp Pgw No Resp] (tmnxMobPdnApnDsGtpPgwNoResp)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpPgwNoResp indicates the number of sessions deleted due to peer Packet Data Network Gateway (PGW) is not sending response message to Serving Gateway (SGW).
gtpSessCrtFail [Gtp Sess Crt Fail] (tmnxMobPdnApnDsGtpSessCrtFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpSessCrtFail indicates the number of sessions deleted due to session creation failed on PGW.
gtpSgwChange [Gtp Sgw Change] (tmnxMobPdnApnDsGtpSgwChange)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpSgwChange indicates the number of sessions deleted due to Serving Gateway (SGW) relocation in GPRS Tunneling Protocol (GTP) manager.
gtpSgwNoResp [Gtp Sgw No Resp] (tmnxMobPdnApnDsGtpSgwNoResp)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpSgwNoResp indicates the number of sessions deleted due to PGW does not receive any response messages from SGW.
gtpUeNotFound [Gtp Ue Not Found] (tmnxMobPdnApnDsGtpUeNotFound)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpUeNotFound indicates the number of sessions deleted due to the User Equipment (UE) is present on SGW but it is not present on PGW.
gtpUeNwInitDetach [Gtp Ue Nw Init Detach] (tmnxMobPdnApnDsGtpUeNwInitDetach)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpUeNwInitDetach indicates the number of sessions deleted due to network initiated detach on SGW.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gtpUnknownIe [Gtp Unknown Ie] (tmnxMobPdnApnDsGtpUnknownIe)	java. math. BigInteger	The value of tmnxMobPdnApnDsGtpUnknownIe indicates the number of sessions deleted due to unknown Information Element (IE) in a request to the GTP manager.
gxFhQuotaExhaust [Gx Fh Quota Exhaust] (tmnxMobPdnApnDsGxFhQuotaExhaust)	java. math. BigInteger	The value of tmnxMobPdnApnDsGxFhQuotaExhaust indicates the number of sessions deleted due to Gx failure-handling quota exhausted.
gxFhTimeExhaust [Gx Fh Time Exhaust] (tmnxMobPdnApnDsGxFhTimeExhaust)	java. math. BigInteger	The value of indicates the configured failure handling time exhausted for GxI failure.
gxSessionRel [Gx Session Rel] (tmnxMobPdnApnDsGxSessionRel)	java. math. BigInteger	The value of tmnxMobPdnApnDsGxSessionRel indicates the number of sessions deleted due to Policy and Charging Rules Function (PCRF) was initiating sessions release.
haAudit [Ha Audit] (tmnxMobPdnApnDsHaAudit)	java. math. BigInteger	The value of tmnxMobPdnApnDsHaAudit indicates the number of sessions deleted due to High Availability (HA) audit.
idleDisallowRecon [Idle Disallow Recon] (tmnxMobPdnApnDsIdleDisallowRecon)	java. math. BigInteger	The value of tmnxMobPdnApnDsIdleDisallowRecon indicates the number of sessions deleted due to the session is idle timeout and disallowed for reconnection.
interRatHoFail [Inter Rat Ho Fail] (tmnxMobPdnApnDsInterRatHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsInterRatHoFail indicates the number of sessions deleted due to inter Radio Access Type (RAT) handover failed.
interSgsnHoFail [Inter Sgsn Ho Fail] (tmnxMobPdnApnDsInterSgsnHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsInterSgsnHoFail indicates the number of sessions deleted due to inter Serving GPRS Support Node (SGSN) handover failed.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interSgwHoFail [Inter Sgw Ho Fail] (tmnxMobPdnApnDsInterSgwHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsInterSgwHoFail indicates the number of sessions deleted due to inter Serving Gateway (SGW) handover failed.
internalError [Internal Error] (tmnxMobPdnApnDsInternalError)	java. math. BigInteger	The value of tmnxMobPdnApnDsInternalError indicates the number of sessions deleted due to internal error into the Access Point Name (APN) manager.
invalidIe [Invalid Ie] (tmnxMobPdnApnDsInvalidIe)	java. math. BigInteger	The value of tmnxMobPdnApnDsInvalidIe indicates the number of sessions deleted due to invalid Information Element (IE) in a request to the Access Point Name (APN) manager.
ltePmipHoRspFail [Lte Pmip Ho Rsp Fail] (tmnxMobPdnApnDsLtePmipHoRspFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsLtePmipHoRspFail indicates the number of sessions deleted due to LTE to Proxy Mobile IP (PMIP) handover is rejected from Access Point Name (APN) manager.
lteToEpdgHoFail [Lte To Epdg Ho Fail] (tmnxMobPdnApnDsLteToEpdgHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsLteToEpdgHoFail indicates the number of sessions deleted due to failure in session handover from LTE to Evolved Packet Data Gateway (EPDG).
lteToWlanHoFail [Lte To Wlan Ho Fail] (tmnxMobPdnApnDsLteToWlanHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsLteToWlanHoFail indicates the number of sessions deleted due to LTE to wireless local area network (WLAN) handover is rejected.
missCcaUsgThres [Miss Cca Usg Thres] (tmnxMobPdnApnDsMissCcaUsgThres)	java. math. BigInteger	The value of tmnxMobPdnApnDsMissCcaUsgThres indicates the number of sessions deleted due to Credit Control Request(CCR) update message reported thresholds but corresponding Credit Control Answer (CCA) is missing.
missingUknApn [Missing Ukn Apn] (tmnxMobPdnApnDsMissingUknApn)	java. math. BigInteger	The value of tmnxMobPdnApnDsMissingUknApn indicates the number of sessions deleted due to missing or unknown Access Point Name (APN).

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnConTypeNotSupp [Pdn Con Type Not Supp] (tmnxMobPdnApnDsPdnConTypeNotSupp)	java. math. BigInteger	The value of tmnxMobPdnApnDsPdnConTypeNotSupp indicates the number of sessions deleted due to PDN connection type is not supported.
peerDown [Peer Down] (tmnxMobPdnApnDsPeerDown)	java. math. BigInteger	The value of tmnxMobPdnApnDsPeerDown indicates the number of sessions deleted due to peer Serving GPRS Support Node (SGSN) or Serving Gateway (SGW) went down for Packet Data Network Gateway (PGW) or peer PGW or Mobility Management Entity (MME) went down for SGW.
pmipInstanceShut [Pmip Instance Shut] (tmnxMobPdnApnDsPmipInstanceShut)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipInstanceShut indicates the number of sessions deleted due to Proxy Mobile IP (PMIP) instance has been shutdown.
pmipInterHsgwHoFl [Pmip Inter Hsgw Ho Fl] (tmnxMobPdnApnDsPmipInterHsgwHoFl)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipInterHsgwHoFl indicates the number of sessions deleted due to inter High Rate Packet Data (HRPD) Serving Gateway (HSGW) handover failed.
pmipLifetimeExp [Pmip Lifetime Exp] (tmnxMobPdnApnDsPmipLifetimeExp)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipLifetimeExp indicates the number of sessions deleted due to Proxy Mobile IP (PMIP) lifetime expiry.
pmipLteHoFail [Pmip Lte Ho Fail] (tmnxMobPdnApnDsPmipLteHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipLteHoFail indicates the number of sessions deleted due to Proxy Mobile IP (PMIP) to LTE handover is rejected from Access Point Name (APN) manager.
pmipPbaReject [Pmip Pba Reject] (tmnxMobPdnApnDsPmipPbaReject)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipPbaReject indicates the number of sessions deleted due to Proxy Binding Acknowledgement (PBA) rejection.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmipPbaTimeout [Pmip Pba Timeout] (tmnxMobPdnApnDsPmipPbaTimeout)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipPbaTimeout indicates the number of sessions deleted due to Proxy Binding Acknowledgement (PBA) timeout.
pmipPeerDown [Pmip Peer Down] (tmnxMobPdnApnDsPmipPeerDown)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipPeerDown indicates the number of sessions deleted due to Proxy Mobile IP (PMIP) peer went down.
pmipReattach [Pmip Reattach] (tmnxMobPdnApnDsPmipReattach)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipReattach indicates the number of sessions deleted due to Proxy Mobile IP (PMIP) reattach event.
pmipToLteHoFailed [Pmip To Lte Ho Failed] (tmnxMobPdnApnDsPmipToLteHoFailed)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipToLteHoFailed indicates the number of sessions deleted due to Proxy Mobile IP to Long Term Evolution (LTE) handover failed.
pmipToWlanHoFail [Pmip To Wlan Ho Fail] (tmnxMobPdnApnDsPmipToWlanHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsPmipToWlanHoFail indicates the number of sessions deleted due to Proxy Mobile Internet Protocol (PMIP) to WLAN handover failed.
radiusDisconnect [Radius Disconnect] (tmnxMobPdnApnDsRadiusDisconnect)	java. math. BigInteger	The value of tmnxMobPdnApnDsRadiusDisconnect indicates the number of sessions deleted due to radius disconnect.
rfNoAck [Rf No Ack] (tmnxMobPdnApnDsRfNoAck)	java. math. BigInteger	The value of tmnxMobPdnApnDsRfNoAck indicates the number of sessions deleted due to not getting an acknowledgement from the offline charging server (Rf).
roAsrDefBearer [Ro Asr Def Bearer] (tmnxMobPdnApnDsRoAsrDefBearer)	java. math. BigInteger	The value of tmnxMobPdnApnDsRoAsrDefBearer indicates the number of sessions deleted due to Abort-Session-Request on default bearer from online charging server.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
roBadAnsDefBr [Ro Bad Ans Def Br] (tmnxMobPdnApnDsRoBadAnsDefBr)	java. math. BigInteger	The value of tmnxMobPdnApnDsRoBadAnsDefBr indicates the number of sessions deleted due to bad answer in Credit Control Answer (CCA) initial or update packets for default bearer in online charging.
roSessGoneDefBr [Ro Sess Gone Def Br] (tmnxMobPdnApnDsRoSessGoneDefBr)	java. math. BigInteger	The value of tmnxMobPdnApnDsRoSessGoneDefBr indicates the number of sessions deleted due to session with online charging server gone for default bearer.
roSessionFail [Ro Session Fail] (tmnxMobPdnApnDsRoSessionFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsRoSessionFail indicates the number of sessions deleted due to online charging failures other than abort, session gone and bad answer.
sessionTimeout [Session Timeout] (tmnxMobPdnApnDsSessionTimeout)	java. math. BigInteger	The value of tmnxMobPdnApnDsSessionTimeout indicates the number of sessions deleted due to duration exceeded the pre-configured timeout value.
smgrBadParam [Smgr Bad Param] (tmnxMobPdnApnDsSmgrBadParam)	java. math. BigInteger	The value of tmnxMobPdnApnDsSmgrBadParam indicates the number of sessions deleted due to session manager recieved bad parameters from GPRS Tunneling Protocol (GTP) protocol.
smgrMemoryError [Smgr Memory Error] (tmnxMobPdnApnDsSmgrMemoryError)	java. math. BigInteger	The value of tmnxMobPdnApnDsDiaMemoryError indicates the number of sessions deleted due to session manager module is going out of memory.
smgrServNotSupp [Smgr Serv Not Supp] (tmnxMobPdnApnDsSmgrServNotSupp)	java. math. BigInteger	The value of tmnxMobPdnApnDsSmgrServNotSupp indicates the number of sessions deleted due to service not supported in session manager.
staleToRelocation [Stale To Relocation] (tmnxMobPdnApnDsStaleToRelocation)	java. math. BigInteger	The value of tmnxMobPdnApnDsStaleToRelocation indicates the number of sessions deleted due to the session is stale and connected to a different PGW.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
threeGTo4gHoFail [Three GTo 4 g Ho Fail] (tmnxMobPdnApnDs3gTo4gHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDs3gTo4gHoFail indicates the number of sessions deleted due to 3G to 4G handover failed.
ueNormalDetach [Ue Normal Detach] (tmnxMobPdnApnDsUeNormalDetach)	java. math. BigInteger	The value of tmnxMobPdnApnDsUeNormalDetach indicates the number of sessions deleted due to UE initiated normal detach.
unknown [Unknown] (tmnxMobPdnApnDsUnknown)	java. math. BigInteger	The value of tmnxMobPdnApnDsUnknown indicates the number of sessions deleted due to unknown delete causes that have not been handled yet.
userAuthFailed [User Auth Failed] (tmnxMobPdnApnDsUserAuthFailed)	java. math. BigInteger	The value of tmnxMobPdnApnDsUserAuthFailed indicates the number of sessions deleted due to user authentication failed.
wlanToLteHoFail [Wlan To Lte Ho Fail] (tmnxMobPdnApnDsWlanToLteHoFail)	java. math. BigInteger	The value of tmnxMobPdnApnDsWlanToLteHoFail indicates the number of sessions deleted due to wireless local area network (WLAN) to LTE handover is rejected.
<p>PdnApnDhcpRelStats</p> <p>MIB entry name: tmnxMobPdnApnEntry</p> <p>Entry description: Each row entry represents an Access Point Name (APN). Entries can be created and deleted by the user.</p> <p>Table description (for tmnxMobPdnApnTable): The tmnxMobPdnApnTable has an entry for each Access Point Name (APN). An APN identifies an external network that is accessible from a terminal.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PdnApn</p>		

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
numDhcpRelAckRebindTx [Num Dhcp Rel Ack Rebind Tx] (tmnxMobPdnApnDhcpRelAckRebindTx)	int	The value of tmnxMobPdnApnDhcpRelAckRebindTx indicates the number of Rebind Acknowledgement responses sent by the DHCP relay.
numDhcpRelAckRenewTx [Num Dhcp Rel Ack Renew Tx] (tmnxMobPdnApnDhcpRelAckRenewTx)	int	The value of tmnxMobPdnApnDhcpRelAckRenewTx indicates the number of Renew Acknowledgement responses sent by the DHCP relay.
numDhcpRelAckTx [Num Dhcp Rel Ack Tx] (tmnxMobPdnApnDhcpRelAckTx)	int	The value of tmnxMobPdnApnDhcpRelAckTx indicates the number of Acknowledgement responses sent by the DHCP relay.
numDhcpRelDiscoverRx [Num Dhcp Rel Discover Rx] (tmnxMobPdnApnDhcpRelDiscoverRx)	int	The value of tmnxMobPdnApnDhcpRelDiscoverRx indicates the number of Discover messages received by the DHCP relay.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numDhcpRelDropDiscRx [Num Dhcp Rel Drop Disc Rx] (tmnxMobPdnApnDhcpRelDropDiscRx)	int	The value of tmnxMobPdnApnDhcpRelDropDiscRx indicates the number of Discover messages dropped by the DHCP relay.
numDhcpRelDropReqRx [Num Dhcp Rel Drop Req Rx] (tmnxMobPdnApnDhcpRelDropReqRx)	int	The value of tmnxMobPdnApnDhcpRelDropReqRx indicates the number of Request messages dropped by the DHCP relay.
numDhcpRelDrpRbndRxReq [Num Dhcp Rel Drp Rbnd Rx Req] (tmnxMobPdnApnDhcpRelDrpRbndRxReq)	int	The value of tmnxMobPdnApnDhcpRelDrpRbndRxReq indicates the number of Rebind messages dropped by the DHCP relay.
numDhcpRelDrpRnewRxReq [Num Dhcp Rel Drp Rnew Rx Req] (tmnxMobPdnApnDhcpRelDrpRnewRxReq)	int	The value of tmnxMobPdnApnDhcpRelDrpRnewRxReq indicates the number of Renew messages dropped by the DHCP relay.
numDhcpRelInvalidMsgRx [Num Dhcp Rel Invalid Msg Rx] (tmnxMobPdnApnDhcpRelInvalidMsgRx)	int	The value of tmnxMobPdnApnDhcpRelInvalidMsgRx indicates the number of Invalid Messages received by the DHCP relay.
numDhcpRelLeaseTimeout [Num Dhcp Rel Lease Timeout] (tmnxMobPdnApnDhcpRelLeaseTimeout)	int	The value of tmnxMobPdnApnDhcpRelLeaseTimeout indicates the number of Lease Timeout messages received by the DHCP relay.
numDhcpRelNackTx [Num Dhcp Rel Nack Tx] (tmnxMobPdnApnDhcpRelNackTx)	int	The value of tmnxMobPdnApnDhcpRelNackTx indicates the number of Negative Acknowledgements (NACK) sent by the DHCP relay.
numDhcpRelOfferTx [Num Dhcp Rel Offer Tx] (tmnxMobPdnApnDhcpRelOfferTx)	int	The value of tmnxMobPdnApnDhcpRelOfferTx indicates the number of Offer responses sent by the DHCP relay.
numDhcpRelRebindRx [Num Dhcp Rel Rebind Rx] (tmnxMobPdnApnDhcpRelRebindRx)	int	The value of tmnxMobPdnApnDhcpRelRebindRx indicates the number of Rebind messages received by the DHCP relay.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numDhcpRelReleaseRx [Num Dhcp Rel Release Rx] (tmnxMobPdnApnDhcpRelReleaseRx)	int	The value of tmnxMobPdnApnDhcpRelReleaseRx indicates the number of Release messages received by the DHCP relay.
numDhcpRelRenewRx [Num Dhcp Rel Renew Rx] (tmnxMobPdnApnDhcpRelRenewRx)	int	The value of tmnxMobPdnApnDhcpRelRenewRx indicates the number of Renew messages received by the DHCP relay.
numDhcpRelRequestRx [Num Dhcp Rel Request Rx] (tmnxMobPdnApnDhcpRelRequestRx)	int	The value of tmnxMobPdnApnDhcpRelRequestRx indicates the number of Request messages received by the DHCP relay.
PdnApnGyAPStats MIB entry name: tmnxMobPdnApnEntry Entry description: Each row entry represents an Access Point Name (APN). Entries can be created and deleted by the user. Table description (for tmnxMobPdnApnTable): The tmnxMobPdnApnTable has an entry for each Access Point Name (APN). An APN identifies an external network that is accessible from a terminal. Supports realtime plotting Supports scheduled collection Monitored class: Ite.PdnApn		
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
gyApCumCcriMsgFail [Gy Ap Cum Ccri Msg Fail] (tmnxMobPdnApnGyApCumCcriMsgFail)	int	The value of tmnxMobPdnApnGyApCumCcriMsgFail indicates the cumulative number of Credit Control Request (CCR) Initial message errors that triggered Gy assume positive.
gyApCumCprtMsgFail [Gy Ap Cum Cprt Msg Fail] (tmnxMobPdnApnGyApCumCprtMsgFail)	int	The value of tmnxMobPdnApnGyApCumCprtMsgFail indicates the cumulative number of Credit Control Request (CCR) Termination message errors that triggered Gy assume positive.
gyApCumCcrumsgFail [Gy Ap Cum Ccru Msg Fail] (tmnxMobPdnApnGyApCumCcrumsgFail)	int	The value of tmnxMobPdnApnGyApCumCcrumsgFail indicates the cumulative number of Credit Control Request (CCR) Update message errors that triggered Gy assume positive.
gyApCumLinkDown [Gy Ap Cum Link Down] (tmnxMobPdnApnGyApCumLinkDown)	int	The value of tmnxMobPdnApnGyApCumLinkDown indicates the cumulative number of Link Down errors that triggered Gy assume positive.
gyApCumOtherFail [Gy Ap Cum Other Fail] (tmnxMobPdnApnGyApCumOtherFail)	int	The value of tmnxMobPdnApnGyApCumOtherFail indicates the cumulative number of unknown errors that triggered Gy assume positive.
gyApCumPpSess [Gy Ap Cum Pp Sess] (tmnxMobPdnApnGyApCumPpSess)	int	The value of tmnxMobPdnApnGyApCumPpSess indicates the cumulative number of pre-paid (PP) service type sessions in Gy assume positive.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gyApCumRc3002 [Gy Ap Cum Rc 3002] (tmnxMobPdnApnGyApCumRc3002)	int	The value of tmnxMobPdnApnGyApCumRc3002 indicates the cumulative number of 3002 result codes that triggered Gy assume positive.
gyApCumRc3004 [Gy Ap Cum Rc 3004] (tmnxMobPdnApnGyApCumRc3004)	int	The value of tmnxMobPdnApnGyApCumRc3004 indicates the cumulative number of 3004 result codes that triggered Gy assume positive.
gyApCumRc3xxx [Gy Ap Cum Rc 3 xxx] (tmnxMobPdnApnGyApCumRc3xxx)	int	The value of tmnxMobPdnApnGyApCumRc3xxx indicates the cumulative number of 3xxx result codes that triggered Gy assume positive.
gyApCumRc4003 [Gy Ap Cum Rc 4003] (tmnxMobPdnApnGyApCumRc4003)	int	The value of tmnxMobPdnApnGyApCumRc4003 indicates the cumulative number of 4003 result codes that triggered Gy assume positive.
gyApCumRc4xxx [Gy Ap Cum Rc 4 xxx] (tmnxMobPdnApnGyApCumRc4xxx)	int	The value of tmnxMobPdnApnGyApCumRc4xxx indicates the cumulative number of 4xxx result codes that triggered Gy assume positive.
gyApCumRc5000 [Gy Ap Cum Rc 5000] (tmnxMobPdnApnGyApCumRc5000)	int	The value of tmnxMobPdnApnGyApCumRc5000 indicates the cumulative number of 5000 result codes that triggered Gy assume positive.
gyApCumRc5001 [Gy Ap Cum Rc 5001] (tmnxMobPdnApnGyApCumRc5001)	int	The value of tmnxMobPdnApnGyApCumRc5001 indicates the cumulative number of 5001 result codes that triggered Gy assume positive.
gyApCumRc5004To5030 [Gy Ap Cum Rc 5004 To 5030] (tmnxMobPdnApnGyApCumRc5004To5030)	int	The value of tmnxMobPdnApnGyApCumRc5004To5030 indicates the cumulative number of result codes from 5004 to 5030 that triggered Gy assume positive.
gyApCumRc5032To5999 [Gy Ap Cum Rc 5032 To 5999] (tmnxMobPdnApnGyApCumRc5032To5999)	int	The value of tmnxMobPdnApnGyApCumRc5032To5999 indicates the cumulative number of result codes from 5032 to 5999 that triggered Gy assume positive.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gyApCumRc5xxx [Gy Ap Cum Rc 5 xxx] (tmnxMobPdnApnGyApCumRc5xxx)	int	The value of tmnxMobPdnApnGyApCumRc5xxx indicates the cumulative number of 5xxx result codes that triggered Gy assume positive.
gyApCumRtrSess [Gy Ap Cum Rtr Sess] (tmnxMobPdnApnGyApCumRtrSess)	int	The value of tmnxMobPdnApnGyApCumRtrSess indicates the cumulative number of Rela Time Reporting (RTR) service type sessions in Gy assume positive.
gyApCumTxTimeOut [Gy Ap Cum Tx Time Out] (tmnxMobPdnApnGyApCumTxTimeOut)	int	The value of tmnxMobPdnApnGyApCumTxTimeOut indicates the cumulative number of Tx Time Out errors that triggered Gy assume positive.
gyApCumUcSess [Gy Ap Cum Uc Sess] (tmnxMobPdnApnGyApCumUcSess)	int	The value of tmnxMobPdnApnGyApCumUcSess indicates the cumulative number of Usage Control (UC) service type sessions in Gy assume positive.
gyApCumUnknownSess [Gy Ap Cum Unknown Sess] (tmnxMobPdnApnGyApCumUnknownSess)	int	The value of tmnxMobPdnApnGyApCumUnknownSess indicates the cumulative number of unknown service type sessions in Gy assume positive.
gyApLastApSess [Gy Ap Last Ap Sess] (tmnxMobPdnApnGyApLastApSess)	String	The value of tmnxMobPdnApnGyApLastApSess indicates the last diameter session that went to Gy assume positive mode.
gyApLastApsReason [Gy Ap Last Aps Reason] (tmnxMobPdnApnGyApLastApsReason)	int	The value of tmnxMobPdnApnGyApLastApsReason indicates the failure reason for the last diameter session that went to Gy assume positive mode.
gyApLastApsTime [Gy Ap Last Aps Time] (tmnxMobPdnApnGyApLastApsTime)	long	The value of tmnxMobPdnApnGyApLastApsTime indicates the time stamp when the last diameter session went to Gy assume positive mode.
gyApStat5004To5030 [Gy Ap Stat 5004 To 5030] (tmnxMobPdnApnGyApStat5004To5030)	int	The value of tmnxMobPdnApnGyApStat5004To5030 indicates the number of result codes from 5004 to 5030 that triggered Gy assume positive.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gyApStat5032To5999 [Gy Ap Stat 5032 To 5999] (tmnxMobPdnApnGyApStat5032To5999)	int	The value of tmnxMobPdnApnGyApStat5032To5999 indicates the number of result codes from 5032 to 5999 that triggered Gy assume positive.
gyApStatCcriMsgFail [Gy Ap Stat Ccri Msg Fail] (tmnxMobPdnApnGyApStatCcriMsgFail)	int	The value of tmnxMobPdnApnGyApStatCcriMsgFail indicates the number of Credit Control Request (CCR) Initial message errors that triggered Gy assume positive.
gyApStatCcrtMsgFail [Gy Ap Stat Ccrt Msg Fail] (tmnxMobPdnApnGyApStatCcrtMsgFail)	int	The value of tmnxMobPdnApnGyApStatCcrtMsgFail indicates the number of Credit Control Request (CCR) Termination message errors that triggered Gy assume positive.
gyApStatCcruMsgFail [Gy Ap Stat Ccru Msg Fail] (tmnxMobPdnApnGyApStatCcruMsgFail)	int	The value of tmnxMobPdnApnGyApStatCcruMsgFail indicates the number of Credit Control Request (CCR) Update message errors that triggered Gy assume positive.
gyApStatLinkDown [Gy Ap Stat Link Down] (tmnxMobPdnApnGyApStatLinkDown)	int	The value of tmnxMobPdnApnGyApStatLinkDown indicates the number of Link Down errors that triggered Gy assume positive.
gyApStatOtherFail [Gy Ap Stat Other Fail] (tmnxMobPdnApnGyApStatOtherFail)	int	The value of tmnxMobPdnApnGyApStatOtherFail indicates the number of unknown errors that triggered Gy assume positive.
gyApStatPpSess [Gy Ap Stat Pp Sess] (tmnxMobPdnApnGyApStatPpSess)	int	The value of tmnxMobPdnApnGyApStatPpSess indicates the number pre-paid (PP) service type sessions in Gy assume positive.
gyApStatRc3002 [Gy Ap Stat Rc 3002] (tmnxMobPdnApnGyApStatRc3002)	int	The value of tmnxMobPdnApnGyApStatRc3002 indicates the number of 3002 result codes that triggered Gy assume positive.
gyApStatRc3004 [Gy Ap Stat Rc 3004] (tmnxMobPdnApnGyApStatRc3004)	int	The value of tmnxMobPdnApnGyApStatRc3004 indicates the number of 3004 result codes that triggered Gy assume positive.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gyApStatRc3xxx [Gy Ap Stat Rc 3 xxx] (tmnxMobPdnApnGyApStatRc3xxx)	int	The value of tmnxMobPdnApnGyApStatRc3xxx indicates the number of 3xxx result codes that triggered Gy assume positive.
gyApStatRc4003 [Gy Ap Stat Rc 4003] (tmnxMobPdnApnGyApStatRc4003)	int	The value of tmnxMobPdnApnGyApStatRc4003 indicates the number of 4003 result codes that triggered Gy assume positive.
gyApStatRc4xxx [Gy Ap Stat Rc 4 xxx] (tmnxMobPdnApnGyApStatRc4xxx)	int	The value of tmnxMobPdnApnGyApStatRc4xxx indicates the number of 4xxx result codes that triggered Gy assume positive.
gyApStatRc5000 [Gy Ap Stat Rc 5000] (tmnxMobPdnApnGyApStatRc5000)	int	The value of tmnxMobPdnApnGyApStatRc5000 indicates the number of 5000 result codes that triggered Gy assume positive.
gyApStatRc5001 [Gy Ap Stat Rc 5001] (tmnxMobPdnApnGyApStatRc5001)	int	The value of tmnxMobPdnApnGyApStatRc5001 indicates the number of 5001 result codes that triggered Gy assume positive.
gyApStatRc5xxx [Gy Ap Stat Rc 5 xxx] (tmnxMobPdnApnGyApStatRc5xxx)	int	The value of tmnxMobPdnApnGyApStatRc5xxx indicates the number of 5xxx result codes that triggered Gy assume positive.
gyApStatRtrSess [Gy Ap Stat Rtr Sess] (tmnxMobPdnApnGyApStatRtrSess)	int	The value of tmnxMobPdnApnGyApStatRtrSess indicates the number of Rela Time Reporting (RTR) service type sessions in Gy assume positive.
gyApStatTxTimeOut [Gy Ap Stat Tx Time Out] (tmnxMobPdnApnGyApStatTxTimeOut)	int	The value of tmnxMobPdnApnGyApStatTxTimeOut indicates the number of Tx Time Out errors that triggered Gy assume positive.
gyApStatUcSess [Gy Ap Stat Uc Sess] (tmnxMobPdnApnGyApStatUcSess)	int	The value of tmnxMobPdnApnGyApStatUcSess indicates the number of Usage Control (UC) service type sessions in Gy assume positive.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gyApStatUnknownSess [Gy Ap Stat Unknown Sess] (tmnxMobPdnApnGyApStatUnknownSess)	int	The value of tmnxMobPdnApnGyApStatUnknownSess indicates the number of unknown service type sessions in Gy assume positive.
<p>PdnApnStats</p> <p>MIB entry name: tmnxMobPdnApnStatEntry</p> <p>Entry description: Each row entry represents a Access Point Name (APN) on a Packet Data Network Gateway (PGW) of Mobility Service Module (MSM) and contains statistics for this card.</p> <p>Table description (for tmnxMobPdnApnStatTable): The tmnxMobPdnApnStatTable has an entry for each Access Point Name (APN) on a Packet Data Network Gateway (PGW) of Mobility Service Module (MSM) configured in the mobility system group defined for a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PdnApn</p>		
aaalpv4Sess [Aaa Ipv 4 Sess] (tmnxMobPdnApnStatAaalpv4Sess)	int	The value of tmnxMobPdnApnStatAaalpv4Sess indicates the number of Authentication, Authorization and Accounting (AAA) IPv4 Packet Data Network (PDN) sessions.
aaalpv4v6Sess [Aaa Ipv 4 v 6 Sess] (tmnxMobPdnApnStatAaalpv4v6Sess)	int	The value of tmnxMobPdnApnStatAaalpv4v6Sess indicates the number of Authentication, Authorization and Accounting (AAA) IPv4 and Ipv6 Packet Data Network (PDN) sessions.
aaalpv6Sess [Aaa Ipv 6 Sess] (tmnxMobPdnApnStatAaalpv6Sess)	int	The value of tmnxMobPdnApnStatAaalpv6Sess indicates the number of Authentication, Authorization and Accounting (AAA) IPv6 Packet Data Network (PDN) sessions.
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
dedicatedBearers [Dedicated Bearers] (tmnxMobPdnApnStatDedBearers)	int	The value of tmnxMobPdnApnStatDedBearers indicates the number of dedicated bearers being served.
dhcpIpv4Sess [Dhcp Ipv 4 Sess] (tmnxMobPdnApnStatDhcpIpv4Sess)	long	The value of tmnxMobPdnApnStatDhcpIpv4Sess indicates the number of Dynamic Host Configuration Protocol (DHCP) IPv4 Packet Data Network (PDN) sessions.
dhcpIpv4v6Sess [Dhcp Ipv 4 v 6 Sess] (tmnxMobPdnApnStatDhcpIpv4v6Sess)	long	The value of tmnxMobPdnApnStatDhcpIpv4v6Sess indicates the number of Dynamic Host Configuration Protocol (DHCP) IPv4 and Ipv6 Packet Data Network (PDN) sessions.
dhcpIpv6Sess [Dhcp Ipv 6 Sess] (tmnxMobPdnApnStatDhcpIpv6Sess)	long	The value of tmnxMobPdnApnStatDhcpIpv6Sess indicates the number of Dynamic Host Configuration Protocol (DHCP) IPv6 Packet Data Network (PDN) sessions.
dhcpV4RelaySess [Dhcp V4 Relay Sess] (tmnxMobPdnApnStatDhcpV4RelaySess)	long	The value of tmnxMobPdnApnStatDhcpV4RelaySess indicates the number of Dynamic Host Configuration Protocol (DHCP) Relay IPv4 Packet Data Network (PDN) sessions.
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
homeSubServIpv4Sess [Home Sub Serv Ipv 4 Sess] (tmnxMobPdnApnStatHSSIpv4Sess)	int	The value of tmnxMobPdnApnStatHSSIpv4Sess indicates the number of Home Subscriber Server (HSS) IPv4 Packet Data Network (PDN) sessions.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
homeSubServIpv4v6Sess [Home Sub Serv Ipv 4 v 6 Sess] (tmnxMobPdnApnStatHSSIpv4v6Sess)	int	The value of tmnxMobPdnApnStatHSSIpv4v6Sess indicates the number of Home Subscriber Server (HSS) IPv4 and Ipv6 Packet Data Network (PDN) sessions.
homeSubServIpv6Sess [Home Sub Serv Ipv 6 Sess] (tmnxMobPdnApnStatHSSIpv6Sess)	int	The value of tmnxMobPdnApnStatHSSIpv6Sess indicates the number of Home Subscriber Server (HSS) IPv6 Packet Data Network (PDN) sessions.
homers [Homers] (tmnxMobPdnApnStatHomers)	int	The value of tmnxMobPdnApnStatHomers indicates the number of homers being served.
hrpdPDNSess [Hrpd PDNSess] (tmnxMobPdnApnStatHrpdSess)	long	The value of tmnxMobPdnApnStatHrpdSess indicates the number of High Rate Packet Data (HRPD) sessions.
idleTimeouts [Idle Timeouts] (tmnxMobPdnApnStatIdleTimeouts)	int	The value of tmnxMobPdnApnStatIdleTimeouts indicates the number of idle timeouts being served.
ipv4IpLclPool [Ipv 4 Ip Lcl Pool] (tmnxMobPdnApnStatIpv4IpLclPool)	int	The value of tmnxMobPdnApnStatIpv4IpLclPool indicates the number of IPv4 local pools being served.
ipv4PdnSess [Ipv 4 Pdn Sess] (tmnxMobPdnApnStatIpv4PdnSess)	int	The value of tmnxMobPdnApnStatIpv4PdnSess indicates the number of IPv4 PDN Sessions being served.
ipv4PdpContexts [Ipv 4 Pdp Contexts] (tmnxMobPdnApnStatIpv4PdpContexts)	int	The value of tmnxMobPdnApnStatIpv4PdpContexts indicates the number of IPv4 primary Packet Data Protocol (PDP) contexts being served.
ipv4v6IpLclPool [Ipv 4 v 6 Ip Lcl Pool] (tmnxMobPdnApnStatIpv4v6IpLclPool)	int	The value of tmnxMobPdnApnStatIpv4v6IpLclPool indicates the number of IPv4 and IPv6 local pools being served.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4v6PdnSess [Ipv 4 v 6 Pdn Sess] (tmnxMobPdnApnStatIpv4v6PdnSess)	int	The value of tmnxMobPdnApnStatIpv4v6PdnSess indicates the number of IPv4 and Ipv6 PDN Sessions being served.
ipv6IpLclPool [Ipv 6 Ip Lcl Pool] (tmnxMobPdnApnStatIpv6IpLclPool)	int	The value of tmnxMobPdnApnStatIpv6IpLclPool indicates the number of IPv6 local pools being served.
ipv6PdnSess [Ipv 6 Pdn Sess] (tmnxMobPdnApnStatIpv6PdnSess)	int	The value of tmnxMobPdnApnStatIpv6PdnSess indicates the number of IPv6 PDN Sessions being served.
ipv6PdpContexts [Ipv 6 Pdp Contexts] (tmnxMobPdnApnStatIpv6PdpContexts)	int	The value of tmnxMobPdnApnStatIpv6PdpContexts indicates the number of IPv6 primary Packet Data Protocol (PDP) contexts being served.
l2tpSessions [L2 tp Sessions] (tmnxMobPdnApnStatL2tpSessions)	int	The value of tmnxMobPdnApnStatL2tpSessions indicates the number of Layer 2 Tunneling Protocol (L2TP) Sessions being served.
l2tpTunnels [L2 tp Tunnels] (tmnxMobPdnApnStatL2tpTunnels)	int	The value of tmnxMobPdnApnStatL2tpTunnels indicates the number of Layer 2 Tunneling Protocol (L2TP) tunnels being served.
nemoEhrpdSess [Nemo Ehrpd Sess] (tmnxMobPdnApnStatNemoEhrpdSess)	long	The value of tmnxMobPdnApnStatNemoEhrpdSess indicates the number of Network Mobility (NEMO) sessions over EHRPD.
nemoHaSess [Nemo Ha Sess] (tmnxMobPdnApnStatNemoHaSess)	long	The value of tmnxMobPdnApnStatNemoHaSess indicates the the number of Network Mobility (NEMO) sessions over Home Agent.
nemoIpv4Subnets [Nemo Ipv 4 Subnets] (tmnxMobPdnApnStatNemoIpv4Subnets)	long	The value of tmnxMobPdnApnStatNemoIpv4Subnets indicates the Network Mobility (NEMO) IPv4 Subnets.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
nemoLteSess [Nemo Lte Sess] (tmnxMobPdnApnStatNemoLteSess)	long	The value of tmnxMobPdnApnStatNemoLteSess indicates the number of Network Mobility (NEMO) sessions over LTE.
noOfIpv4PdnSessOverS2b [No Of Ipv 4 Pdn Sess Over S2 b] (tmnxMobPdnApnStatS2bIpv4Sess)	int	The value of tmnxMobPdnApnStatS2bIpv4Sess indicates the number of IPv4 Packet Data Network (PDN) sessions over S2b interface.
noOfIpv4n6PdnSessOverS2b [No Of Ipv 4 n 6 Pdn Sess Over S2 b] (tmnxMobPdnApnStatS2bIpv4v6Sess)	int	The value of tmnxMobPdnApnStatS2bIpv4v6Sess indicates the number of IPv4 and Ipv6 Packet Data Network (PDN) sessions over S2b interface.
noOfIpv6PdnSessOverS2b [No Of Ipv 6 Pdn Sess Over S2 b] (tmnxMobPdnApnStatS2bIpv6Sess)	int	The value of tmnxMobPdnApnStatS2bIpv6Sess indicates the number of Ipv6 Packet Data Network (PDN) sessions over S2b interface.
overrideTriggers [Override Triggers] (tmnxMobPdnApnStatOvrTrgr)	long	The value of tmnxMobPdnApnStatOvrTrgr indicates the number of Access Point Name (APN) override triggers.
ovrTrgrEstFailed [Ovr Trgr Est Failed] (tmnxMobPdnApnStatOvrEstFailed)	long	The value of tmnxMobPdnApnStatOvrEstFailed indicates the number of Access Point Name (APN) establishments failed override triggers.
ovrTrgrFailed [Ovr Trgr Failed] (tmnxMobPdnApnStatOvrTrgrFailed)	long	The value of tmnxMobPdnApnStatOvrTrgrFailed indicates the number of Access Point Name (APN) failed override triggers.
pcrfAmbrUpdates [Pcrf Ambr Updates] (tmnxMobPdnApnStatPcrfAmbrUpdates)	long	The value of tmnxMobPdnApnStatPcrfAmbrUpdates specifies the number of APN Aggregate Maximum Bit Rate (AMBR) updates (modifications) enforced locally as a result of PCRF initiated mid-session modifications.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmiipv4Sess [Pmip Ipv 4 Sess] (tmnxMobPdnApnStatPmipIpv4Sess)	int	The value of tmnxMobPdnApnStatPmipIpv4Sess indicates the number of Proxy Mobile IPv6 (PMIPv6) IPv4 Packet Data Network (PDN) sessions.
pmiipv4v6Sess [Pmip Ipv 4 v 6 Sess] (tmnxMobPdnApnStatPmipIpv4v6Sess)	int	The value of tmnxMobPdnApnStatPmipIpv4v6Sess indicates the number of Proxy Mobile IPv6 (PMIPv6) IPv4 and Ipv6 Packet Data Network (PDN) sessions.
pmiipv6Sess [Pmip Ipv 6 Sess] (tmnxMobPdnApnStatPmipIpv6Sess)	int	The value of tmnxMobPdnApnStatPmipIpv6Sess indicates the number of Proxy Mobile IPv6 (PMIPv6) IPv6 Packet Data Network (PDN) sessions.
redirSessions [Redir Sessions] (tmnxMobPdnApnStatRedirSessions)	long	The value of tmnxMobPdnApnStatRedirSessions indicates the total number of redirected sessions per APN.
roamers [Roamers] (tmnxMobPdnApnStatRoamers)	int	The value of tmnxMobPdnApnStatRoamers indicates the number of roamers being served.
s2alpv4Sess [S2 a Ipv 4 Sess] (tmnxMobPdnApnStatS2alpv4Sess)	long	The value of tmnxMobPdnApnStatS2alpv4Sess indicates the number of IPv4 Packet Data Network (PDN) sessions over S2a interface.
s2alpv4v6Sess [S2 a Ipv 4 v 6 Sess] (tmnxMobPdnApnStatS2alpv4v6Sess)	long	The value of tmnxMobPdnApnStatS2alpv4v6Sess indicates the number of IPv4 and Ipv6 Packet Data Network (PDN) sessions over S2a interface.
s2alpv6Sess [S2 a Ipv 6 Sess] (tmnxMobPdnApnStatS2alpv6Sess)	long	The value of tmnxMobPdnApnStatS2alpv6Sess indicates the number of Ipv6 Packet Data Network (PDN) sessions over S2a interface.
sessTimeouts [Sess Timeouts] (tmnxMobPdnApnStatSessTimeouts)	int	The value of tmnxMobPdnApnStatSessTimeouts indicates the number of session timeouts being served.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessUsedRealApn [Sess Used Real Apn] (tmnxMobPdnApnStatSessUsedRealApn)	long	The value of tmnxMobPdnApnStatSessUsedRealApn indicates the number of Packet Data Network (PDN) sessions using as real Access Point Name (APN).
tetherSessions [Tether Sessions] (tmnxMobPdnApnStatTetherSessions)	long	The value of tmnxMobPdnStatTetherSessions indicates the total number of tethered sessions per APN.
twagOpnSsidSess [Twag Opn Ssid Sess] (tmnxMobPdnApnStatTwagOpnSsidSess)	long	The value of tmnxMobPdnApnStatTwagOpnSsidSess indicates the number of Trusted WLAN Access Gateway (TWAG) Open Service Set Identifier (SSID) sessions.
v4SteerSess [V4 Steer Sess] (tmnxMobPdnApnStatV4SteerSess)	long	The value of tmnxMobPdnApnStatV4SteerSess indicates the number of IPv4 Steering Sessions.
v4v6SteerSess [V4 v 6 Steer Sess] (tmnxMobPdnApnStatV4v6SteerSess)	long	The value of tmnxMobPdnApnStatV4v6SteerSess indicates the number of IPv4v6 Steering Sessions.
v6SteerSess [V6 Steer Sess] (tmnxMobPdnApnStatV6SteerSess)	long	The value of tmnxMobPdnApnStatV6SteerSess indicates the number of IPv6 Steering Sessions.
visitors [Visitors] (tmnxMobPdnApnStatVisitors)	int	The value of tmnxMobPdnApnStatVisitors indicates the number of visitors being served.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnDhcpPeerStats</p> <p>MIB entry name: tmnxMobPdnDHCPStatEntry</p> <p>Entry description: Each row entry represents a peer on the DHCP server group and contain statistics for this peer on a card.</p> <p>Table description (for tmnxMobPdnDHCPStatTable): The tmnxMobPdnDHCPStatTable has an entry of statistics for each peer on the DHCP server group served by a Packet Data Network Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itegw.PdnDhcpSGPeer</p>		
ackRapidCommitRecieved [Ack Rapid Commit Recieved] (tmnxMobPdnDHCPsGackRapComRx)	long	The value of tmnxMobPdnDHCPsGackRapComRx indicates the number of rapid commit ack/dhcp6-good-reply messages received by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
ackRebindRecieved [Ack Rebind Recieved] (tmnxMobPdnDHCPsGackRebindRx)	long	The value of tmnxMobPdnDHCPsGackRebindRx indicates rebind ack/dhcp6-good-reply messages received by Packet Data Network/GPRS Service Node (PGW/GGSN).
ackRecieved [Ack Recieved] (tmnxMobPdnDHCPsGackRx)	long	The value of tmnxMobPdnDHCPsGackRx indicates the number of ack/dhcp6-good-reply messages received by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
ackRenewRecieved [Ack Renew Recieved] (tmnxMobPdnDHCPsGackRenewRx)	long	The value of tmnxMobPdnDHCPsGackRenewRx indicates the number of renew ack/dhcp6-good-reply messages received by Packet Data Network Gateway/GPRS Service Node (PGW/GGSN).
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
discoverFinalTimeOut [Discover Final Time Out] (tmnxMobPdnDHCPSTGDiscMsgFinalTO)	long	The value of tmnxMobPdnDHCPSTGDiscMsgFinalTO indicates the number of discover/solicit messages that timed out.
discoverRetransmitted [Discover Retransmitted] (tmnxMobPdnDHCPSTGDiscMsgReTx)	long	The value of tmnxMobPdnDHCPSTGDiscMsgReTx indicates the number of discover/solicit messages retransmitted by the Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
discoverTransmitted [Discover Transmitted] (tmnxMobPdnDHCPSTGDiscMsgTx)	long	The value of tmnxMobPdnDHCPSTGDiscMsgTx indicates the number of discover/solicit messages sent by the Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
droppedAckRecieved [Dropped Ack Recieved] (tmnxMobPdnDHCPSTGDroppedAckRx)	long	The value of tmnxMobPdnDHCPSTGDroppedAckRx indicates number of Ack messages received and dropped at the Packet Data Network Gateway/GPRS Service Node (PGW/GGSN).
droppedNakRecieved [Dropped Nak Recieved] (tmnxMobPdnDHCPSTGDroppedNackRx)	long	The value of tmnxMobPdnDHCPSTGDroppedNackRx indicates number of Nak messages received and dropped at the Packet Data Network Gateway/GPRS Service Node (PGW/GGSN).
droppedOfferRecieved [Dropped Offer Recieved] (tmnxMobPdnDHCPSTGSvrDropOfferRx)	long	The value of tmnxMobPdnDHCPSTGSvrDropOfferRx indicates the number of offer/advertise messages received and dropped by Packet Data Network/ GPRS Service Node (PGW/GGSN).
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
groupProfileName [Group Profile Name] (tmnxMobProfDHCPSSvrGrpName)	String	The value of tmnxMobProfDHCPSSvrGrpName specifies the unique name for this Dynamic Host Configuration Protocol (DHCP) server group.
invalidAckRecieved [Invalid Ack Recieved] (tmnxMobPdnDHCPSSGInvalidAckRx)	long	The value of tmnxMobPdnDHCPSSGInvalidAckRx indicates the number of ack messages received at the Packet Data Network/GPRS Service Node (PGW/GGSN) with incomplete information.
invalidOfferRecieved [Invalid Offer Recieved] (tmnxMobPdnDHCPSSGInvalidOfferRx)	long	The value of tmnxMobPdnDHCPSSGInvalidOfferRx indicates the number of offer/advertise messages received at the Packet Data Network/GPRS service Node (PGW/GGSN) with incomplete information.
leaseTimeTooShortRecieved [Lease Time Too Short Recieved] (tmnxMobPdnDHCPSSGLeaseTmShortRx)	long	The value of tmnxMobPdnDHCPSSGLeaseTmShortRx indicates the number of ack/dhcp6-good-reply messages recieved with lease time below the minimum value.
nakRecieved [Nak Recieved] (tmnxMobPdnDHCPSSGSvrNakRx)	long	The value of tmnxMobPdnDHCPSSGSvrNakRx indicates the number of nak/dhcp6-bad-reply messages received by Packet Data Network Gateway/ GPRS Service Node (PGW/GGSN).
offerRecieved [Offer Recieved] (tmnxMobPdnDHCPSSGOfferRx)	long	The value of tmnxMobPdnDHCPSSGOfferRx indicates the number of offer/advertise messages received by the Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
otherErrors [Other Errors] (tmnxMobPdnDHCPSSGSvrOtherErrs)	long	The value of tmnxMobPdnDHCPSSGSvrOtherErrs indicates the number of other errors that are not covered by all the other counters above.
peerProfileIndex [Peer Profile Index] (tmnxMobProfDHCPSSGPeerIndex)	long	The value of tmnxMobProfDHCPSSGPeerIndex specifies the unique value which identifies this DHCP server group peer entry.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rebindFinalTimeOut [Rebind Final Time Out] (tmnxMobPdnDHCPsGRbindFinalTO)	long	The value of tmnxMobPdnDHCPsGRbindFinalTO indicates the number of rebind request messages that timed out.
rebindRetransmitted [Rebind Retransmitted] (tmnxMobPdnDHCPsGRbindReTx)	long	The value of tmnxMobPdnDHCPsGRbindReTx indicates the number of rebind request messages retransmitted by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
rebindTransmitted [Rebind Transmitted] (tmnxMobPdnDHCPsGRbindTx)	long	The value of tmnxMobPdnDHCPsGRbindTx indicates the number of rebind request messages sent by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
releaseFinalTimeOut [Release Final Time Out] (tmnxMobPdnDHCPsGSvrRelFinalTO)	long	The value of tmnxMobPdnDHCPsGSvrRelFinalTO indicates the number of release messages timed out for Packet Data Network Gateway/GPRS Service Node (PGW/GGSN).
releaseRecieved [Release Recieved] (tmnxMobPdnDHCPsGReleaseRx)	long	The value of tmnxMobPdnDHCPsGReleaseRx indicates the number of release dhcp6-good-reply messages received by Packet Data Network/GPRS Service Node (PGW/GGSN).
releaseRetransmitted [Release Retransmitted] (tmnxMobPdnDHCPsGSvrReleaseReTx)	long	The value of tmnxMobPdnDHCPsGSvrReleaseReTx indicates the number of release messages retransmitted by the Packet Data Network Gateway/GPRS Service Node (PGW/GGSN).
releaseTransmitted [Release Transmitted] (tmnxMobPdnDHCPsGSvrReleaseTx)	long	The value of tmnxMobPdnDHCPsGSvrReleaseTx indicates the number of release messages sent by Packet Data Network Gateway/GPRS Service Node (PGW/GGSN).
renewFinalTimeOut [Renew Final Time Out] (tmnxMobPdnDHCPsGRenewFinalTO)	long	The value of tmnxMobPdnDHCPsGRenewFinalTO indicates the number of renew request messages that timed out.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
renewReTransmitted [Renew Re Transmitted] (tmnxMobPdnDHCPsGRenewReTx)	long	The value of tmnxMobPdnDHCPsGRenewReTx indicates the number of renew request message retransmitted by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
renewTransmitted [Renew Transmitted] (tmnxMobPdnDHCPsGRenewTx)	long	The value of tmnxMobPdnDHCPsGRenewTx indicates the number of renew request messages sent by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
requestFinalTimeOut [Request Final Time Out] (tmnxMobPdnDHCPsGRequestFinalTO)	long	The value of tmnxMobPdnDHCPsGRequestFinalTO indicates the request messages timed out for Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
requestRetransmitted [Request Retransmitted] (tmnxMobPdnDHCPsGRequestReTx)	long	The value of tmnxMobPdnDHCPsGRequestReTx indicates number of request messages retransmitted by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
requestTransmitted [Request Transmitted] (tmnxMobPdnDHCPsGRequestTx)	long	The value of tmnxMobPdnDHCPsGRequestTx indicates the number of request messages sent by Packet Data Network gateway/GPRS Service Node (PGW/GGSN).
serverFailover [Server Failover] (tmnxMobPdnDHCPsGSvrFailover)	long	The value of tmnxMobPdnDHCPsGSvrFailover indicates the number of time the DHCP server was declared dead because of retry exhaustion.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnDhcpSGPeerStats</p> <p>MIB entry name: tmnxMobGwEntry</p> <p>Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed.</p> <p>Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itegw.PdnDhcpSGPeer</p>		
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
groupProfileName [Group Profile Name] (tmnxMobProfDHCPsGrpName)	String	The value of tmnxMobProfDHCPsGrpName specifies the unique name for this Dynamic Host Configuration Protocol (DHCP) server group.
peerIpAddress [Peer Ip Address] (tmnxMobPdnDHCPsGPeerAddress)	String	The value of tmnxMobPdnDHCPsGPeerAddress indicates the IP address of the DHCP server group peer.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnDHCPsGPeerAddressType)	int	The value of tmnxMobPdnDHCPsGPeerAddressType indicates the type of address represented by tmnxMobPdnDHCPsGPeerAddress.
peerProfileIndex [Peer Profile Index] (tmnxMobProfDHCPsGPeerIndex)	long	The value of tmnxMobProfDHCPsGPeerIndex specifies the unique value which identifies this DHCP server group peer entry.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalLeases [Total Leases] (tmnxMobPdnDHCPSPGPeerTotalLeases)	long	The value of tmnxMobPdnDHCPSPGPeerTotalLeases indicates the current number of active Dynamic Host Configuration Protocol (DHCP) leases served by each DHCP server group peer.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>PdnGtpErrorIndicationStats MIB entry name: tmnxMobGwEntry Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed. Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: lte.PDNGateway</p>		
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
gtpErrIndLocalAddr [Gtp Err Ind Local Addr] (tmnxMobPdnGtpErrIndLocalAddr)	String	The value of tmnxMobPdnGtpErrIndLocalAddr indicates the local IP address of the interface of the reference point.
gtpErrIndLocalAddrType [Gtp Err Ind Local Addr Type] (tmnxMobPdnGtpErrIndLocalAddrType)	int	The value of tmnxMobPdnGtpErrIndLocalAddrType indicates the type of address represented by tmnxMobPdnGtpErrIndLocalAddr.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
gtpErrIndNumDelBr [Gtp Err Ind Num Del Br] (tmnxMobPdnGtpErrIndNumDelBr)	long	The value of tmnxMobPdnGtpErrIndNumDelBr indicates the the number of bearers that were deleted due to error indication.
gtpErrIndNumDelSess [Gtp Err Ind Num Del Sess] (tmnxMobPdnGtpErrIndNumDelSess)	long	The value of tmnxMobPdnGtpErrIndNumDelSess indicates the number of sessions that were deleted due to error indication.
gtpErrIndNumUeIdle [Gtp Err Ind Num Ue Idle] (tmnxMobPdnGtpErrIndNumUeIdle)	long	The value of tmnxMobPdnGtpErrIndNumUeIdle indicates the number of User Equipments (UE) that went to idle due to error indication.
gtpErrIndPeerSrcAddr [Gtp Err Ind Peer Src Addr] (tmnxMobPdnGtpErrIndPeerSrcAddr)	String	The value of tmnxMobPdnGtpErrIndPeerSrcAddr indicates the IP address of the gtp source peer.
gtpErrIndPeerSrcAddrType [Gtp Err Ind Peer Src Addr Type] (tmnxMobPdnGtpErrIndPeerSrcAddrTy)	int	The value of tmnxMobPdnGtpErrIndPeerSrcAddrTy indicates the type of address represented by tmnxMobPdnGtpErrIndPeerSrcAddr.
gtpErrIndTxPkts [Gtp Err Ind Tx Pkts] (tmnxMobPdnGtpErrIndTxPkts)	long	The value of tmnxMobPdnGtpErrIndTxPkts indicates the number of the of the transmitted packets with error indication.
vRtrID [VRtr ID] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnGtpLocalOverloadCtrlStats</p> <p>MIB entry name: tmnxMobGwEntry</p> <p>Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed.</p> <p>Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.PDNGateway</p>		
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
lcOvLdStatCumBRCmDp [Lc Ov Ld Stat Cum BRCm Dp] (tmnxMobPdnGtpLcOvLdStatCum-BRCmDp)	long	The value of tmnxMobPdnGtpLcOvLdStatCumBRCmDp indicates the number of Cumulative Dropped Bearer Resource Commands due to Overload Control by this Packet Data Network Gateway(PGW).
lcOvLdStatCumCBRqDp [Lc Ov Ld Stat Cum CBRq Dp] (tmnxMobPdnGtpLcOvLdStatCumCBRqDp)	long	The value of tmnxMobPdnGtpLcOvLdStatCumCBRqDp indicates the number of Cumulative Dropped create bearer requests due to Overload Control by this Packet Data Network Gateway(PGW).
lcOvLdStatCumCSRqDp [Lc Ov Ld Stat Cum CSRq Dp] (tmnxMobPdnGtpLcOvLdStatCumCSRqDp)	long	The value of tmnxMobPdnGtpLcOvLdStatCumCSRqDp indicates the number of Cumulative Dropped create session requests due to Overload Control by this Packet Data Network Gateway(PGW).
lcOvLdStatCumMBCmDp [Lc Ov Ld Stat Cum MBCm Dp] (tmnxMobPdnGtpLcOvLdStatCumMB-CmDp)	long	The value of tmnxMobPdnGtpLcOvLdStatCumMBCmDp indicates the number of Cumulative Dropped Modify Bearer Commands due to Overload Control by this Packet Data Network Gateway(PGW).

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lcOvLdStatCumUBRqDp [Lc Ov Ld Stat Cum UBRq Dp] (tmnxMobPdnGtpLcOvLdStatCumUBRqDp)	long	The value of tmnxMobPdnGtpLcOvLdStatCumUBRqDp indicates the number of Cumulative Dropped update bearer requests due to Overload Control by this Packet Data Network Gateway(PGW).
lcOvLdStatCurrOvld [Lc Ov Ld Stat Curr Ovld] (tmnxMobPdnGtpLcOvLdStatCurrOvld)	boolean	The value of tmnxMobPdnGtpLcOvLdStatCurrOvld indicates if the local node is currently in Overload.
lcOvLdStatLstOvldRp [Lc Ov Ld Stat Lst Ovld Rp] (tmnxMobPdnGtpLcOvLdStatLstOvldRp)	long	The value of tmnxMobPdnGtpLcOvLdStatLstOvldRp indicates the time of the last Overload Control Information (OCI) received by this Packet Data Network Gateway(PGW).
lcOvLdStatRemValdTime [Lc Ov Ld Stat Rem Vald Time] (tmnxMobPdnGtpLcOvLdStatRemValTme)	int	The value of tmnxMobPdnGtpLcOvLdStatRemValTme indicates validity time of the Overload control on this Packet Data Network Gateway(PGW).
lcOvLdStatTrfRedVal [Lc Ov Ld Stat Trf Red Val] (tmnxMobPdnGtpLcOvLdStatTrfRedVal)	int	The value of tmnxMobPdnGtpLcOvLdStatTrfRedVal indicates percentage of traffic reduction requested by the local node.
<p>PdnGtpOverloadCtrlStats</p> <p>MIB entry name: tmnxMobGwEntry</p> <p>Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed.</p> <p>Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.PDNGateway</p>		

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
ovLdStatAttchReqRej [Ov Ld Stat Attch Req Rej] (tmnxMobPdnGtpOvLdStatAttchReqRej)	long	The value of tmnxMobPdnGtpOvLdStatAttchReqRej indicates the cumulative number of attach requests that were rejected due to the Packet Data Network Gateway (PGW) being in overloaded state.
ovLdStatCurrOvld [Ov Ld Stat Curr Ovld] (tmnxMobPdnGtpOvLdStatCurrOvld)	boolean	The value of tmnxMobPdnGtpOvLdStatCurrOvld indicates if the remote node is currently in Overload.
ovLdStatDrpCreatBR [Ov Ld Stat Drp Creat BR] (tmnxMobPdnGtpOvLdStatDrpCreatBR)	long	The value of tmnxMobPdnGtpOvLdStatDrpCreatBR indicates the number of Dropped create bearer requests due to Overload Control by this Packet Data Network Gateway(PGW).
ovLdStatDrpDeletBR [Ov Ld Stat Drp Delet BR] (tmnxMobPdnGtpOvLdStatDrpDeletBR)	long	The value of tmnxMobPdnGtpOvLdStatDrpDeletBR indicates the number of Dropped delete bearer requests due to Overload Control by this Packet Data Network Gateway(PGW).
ovLdStatDrpUpdatBR [Ov Ld Stat Drp Updat BR] (tmnxMobPdnGtpOvLdStatDrpUpdatBR)	long	The value of tmnxMobPdnGtpOvLdStatDrpUpdatBR indicates the number of Dropped update bearer requests due to Overload Control by this Packet Data Network Gateway(PGW).
ovLdStatLstOvAttRej [Ov Ld Stat Lst Ov Att Rej] (tmnxMobPdnGtpOvLdStatLstOvAttRej)	long	The value of tmnxMobPdnGtpOvLdStatLstOvAttRej indicates the number of attach requests that were rejected due to the Packet Data Network Gateway (PGW) in the last overloaded state.
ovLdStatLstOvDrpCBR [Ov Ld Stat Lst Ov Drp CBR] (tmnxMobPdnGtpOvLdStatLstOvDrpCBR)	long	The value of tmnxMobPdnGtpOvLdStatLstOvDrpCBR indicates the number of Dropped create bearer requests due to Overload Control by this Packet Data Network Gateway(PGW) in the last overloaded state.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ovLdStatLstOvDrpDBR [Ov Ld Stat Lst Ov Drp DBR] (tmnxMobPdnGtpOvLdStatLstOvDrpDBR)	long	The value of tmnxMobPdnGtpOvLdStatLstOvDrpDBR indicates the number of Dropped delete bearer requests due to Overload Control by this Packet Data Network Gateway(PGW) in the last overloaded state.
ovLdStatLstOvDrpUBR [Ov Ld Stat Lst Ov Drp UBR] (tmnxMobPdnGtpOvLdStatLstOvDrpUBR)	long	The value of tmnxMobPdnGtpOvLdStatLstOvDrpUBR indicates the number of Dropped update bearer requests due to Overload Control by this Packet Data Network Gateway(PGW) in the last overloaded state.
ovLdStatLstOvMobRej [Ov Ld Stat Lst Ov Mob Rej] (tmnxMobPdnGtpOvLdStatLstOvMobRej)	long	The value of tmnxMobPdnGtpOvLdStatLstOvMobRej indicates the number of mobility attach requests that were rejected due to the Packet Data Network Gateway (PGW) being in the last overloaded state.
ovLdStatLstOvSesRej [Ov Ld Stat Lst Ov Ses Rej] (tmnxMobPdnGtpOvLdStatLstOvSesRej)	long	The value of tmnxMobPdnGtpOvLdStatLstOvSesRej indicates the number of modify session requests initiated from AAA/HSS that were rejected due to the Packet Data Network Gateway (PGW) being in the last overloaded state.
ovLdStatLstOvldRep [Ov Ld Stat Lst Ovlid Rep] (tmnxMobPdnGtpOvLdStatLstOvldRep)	long	The value of tmnxMobPdnGtpOvLdStatLstOvldRep indicates the time of the last Overload Control Information (OCI) received by this Packet Data Network Gateway(PGW).
ovLdStatMobReqRej [Ov Ld Stat Mob Req Rej] (tmnxMobPdnGtpOvLdStatMobReqRej)	long	The value of tmnxMobPdnGtpOvLdStatMobReqRej indicates the cumulative number of mobility attach requests that were rejected due to the Packet Data Network Gateway (PGW) being in overloaded state.
ovLdStatNdAddr [Ov Ld Stat Nd Addr] (tmnxMobPdnGtpOvLdStatNdAddr)	String	The value of tmnxMobPdnGtpOvLdStatNdAddr indicates the IP address of the Serving Gateway (SGW) or Mobility Management Entity (MME) node.
ovLdStatNdAddrTyp [Ov Ld Stat Nd Addr Typ] (tmnxMobPdnGtpOvLdStatNdAddrTyp)	int	The value of tmnxMobPdnGtpOvLdStatNdAddrTyp indicates the type of address represented by tmnxMobPdnGtpOvLdStatNdAddr.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ovLdStatNodeId [Ov Ld Stat Node Id] (tmnxMobPdnGtpOvLdStatNodeId)	int	The value of tmnxMobPdnGtpOvLdStatNodeId indicates if the node is Serving Gateway (SGW) or Mobility Management Entity (MME) node.
ovLdStatPgwLoadMet [Ov Ld Stat Pgw Load Met] (tmnxMobPdnGtpOvLdStatPgwLoadMet)	long	The value of tmnxMobPdnGtpOvLdStatPgwLoadMet indicates the current load metric for the Packet Data Network Gateway (PGW).
ovLdStatRemValdTime [Ov Ld Stat Rem Vald Time] (tmnxMobPdnGtpOvLdStatRemValdTime)	int	The value of tmnxMobPdnGtpOvLdStatRemValdTime indicates validity time of the Overload control on this Packet Data Network Gateway(PGW).
ovLdStatSessModRej [Ov Ld Stat Sess Mod Rej] (tmnxMobPdnGtpOvLdStatSessModRej)	long	The value of tmnxMobPdnGtpOvLdStatSessModRej indicates the cumulative number of modify session requests initiated from AAA/HSS that were rejected due to the Packet Data Network Gateway (PGW) being in overloaded state.
ovLdStatTrfRedVal [Ov Ld Stat Trf Red Val] (tmnxMobPdnGtpOvLdStatTrfRedVal)	int	The value of tmnxMobPdnGtpOvLdStatTrfRedVal indicates percentage of traffic reduction requested by the remote node.
<p>PdnIpsecLockoutStatStats</p> <p>MIB entry name: tmnxMobPdnIpsecLockoutStatEntry</p> <p>Entry description: Each row entry represents statistics of users which are locked out from further attach to ePDG.</p> <p>Table description (for tmnxMobPdnIpsecLockoutStatTable): The tmnxMobPdnIpsecLockoutStatTable an entry for the statistics of users which are temporarily locked out from further attach to evolved Packet Data Gateway (ePDG) due to frequent authentication failure.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lte.PDNGateway</p>		
numOfUsers [Num Of Users] (tmnxMobPdnIpsecLockoutNumUser)	long	The value of tmnxMobPdnIpsecLockoutNumUser indicates the total number of users that are locked out from further attach to ePDG.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RestorationPriorityLevel</p> <p>MIB entry name: tmnxMobPdnApnEntry</p> <p>Entry description: Each row entry represents an Access Point Name (APN). Entries can be created and deleted by the user.</p> <p>Table description (for tmnxMobPdnApnTable): The tmnxMobPdnApnTable has an entry for each Access Point Name (APN). An APN identifies an external network that is accessible from a terminal.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ite.PdnApn</p>		
apnName [Apn Name] (tmnxMobPdnApnName)	String	The value of tmnxMobPdnApnName specifies the Access Point Name (APN).
cardSlotNum [Card Slot Num] (tmnxMobPdnCardSlotNum)	long	The value of tmnxMobPdnCardSlotNum indicates the slot number of this card.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
restPrioLvIlevel [Rest Prio Lvl Level] (tmnxMobPdnApnRestPrioLvIlevel)	long	The value of tmnxMobPdnApnRestPrioLvIlevel indicates the restoration priority level of the PDN connection.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
restPrioLvIPdnConns [Rest Prio Lvl Pdn Conns] (tmnxMobPdnApnRestPrioLvIPdnConns)	long	The value of tmnxMobPdnApnRestPrioLvIPdnConns indicates the number of PDN connections for a specific restoration priority level.
<p>SigPathStats</p> <p>MIB entry name: tmnxMobGwEntry</p> <p>Entry description: Each row entry represents a mobile gateway. Entries can be created and deleted by the user. The values of tmnxMobGwRowStatus and tmnxMobGwType must be set in the same SNMP SET PDU for the row creation to succeed.</p> <p>Table description (for tmnxMobGwTable): The tmnxMobGwTable has an entry for each mobile gateway configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itegw.SigPath</p>		
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
localAddress [Local Address] (tmnxMobGwSigPathLocAddress)	String	The value of tmnxMobGwSigPathLocAddress indicates the local IP address of the interface of the path.
localAddressType [Local Address Type] (tmnxMobGwSigPathLocAddressType)	int	The value of tmnxMobGwSigPathLocAddressType indicates the type of address represented by tmnxMobGwSigPathLocAddress.
mgmtFails [Mgmt Fails] (tmnxMobGwSigPathMgmtFails)	long	The value of tmnxMobGwSigPathMgmtFails indicates the number of path management failures on the GTP path.
peerRestartCnt [Peer Restart Cnt] (tmnxMobGwSigPathPeerRestartCnt)	long	The value of tmnxMobGwSigPathPeerRestartCnt indicates the counter value of the number of times the peer restarted on the GTP path.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerRestarts [Peer Restarts] (tmnxMobGwSigPathPeerRestarts)	long	The value of tmnxMobGwSigPathPeerRestarts indicates the number of times the peer restarted on the GTP path.
planeType [Plane Type] (tmnxMobGwSigPlaneType)	int	The tmnxMobGwSigPlaneType is an enumerated integer that describes the type of a reference point peer's plane - control or data.
remoteAddress [Remote Address] (tmnxMobGwSigPathRemAddress)	String	The value of tmnxMobGwSigPathRemAddress indicates the remote IP address of the interface of the path.
remoteAddressType [Remote Address Type] (tmnxMobGwSigPathRemAddressType)	int	The value of tmnxMobGwSigPathRemAddressType indicates the type of address represented by tmnxMobGwSigPathRemAddress.
rxEchoReq [Rx Echo Req] (tmnxMobGwSigPathRxEchoReq)	long	The value of tmnxMobGwSigPathRxEchoReq indicates the number of echo request messages transmitted on the GTP path.
rxEchoRsp [Rx Echo Rsp] (tmnxMobGwSigPathRxEchoRsp)	long	The value of tmnxMobGwSigPathRxEchoRsp indicates the number of echo response messages received on the GTP path.
txEchoReq [Tx Echo Req] (tmnxMobGwSigPathTxEchoReq)	long	The value of tmnxMobGwSigPathTxEchoReq indicates the number of echo request messages received on the GTP path.
txEchoRsp [Tx Echo Rsp] (tmnxMobGwSigPathTxEchoRsp)	long	The value of tmnxMobGwSigPathTxEchoRsp indicates the number of echo response messages transmitted on the GTP path.

Table 546 ltegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>UserRefPtStats</p> <p>MIB entry name: tmnxMobGwUserRefPtStatEntry</p> <p>Entry description: Each row entry represents a peer on the GPRS Tunneling Protocol- User plane (GTP-U) reference point and contains statistics for this peer on a card.</p> <p>Table description (for tmnxMobGwUserRefPtStatTable): The tmnxMobGwUserRefPtStatTable has an entry for each peer on the GPRS Tunneling Protocol-User plane (GTP-U) reference point served by a Serving Gateway (SGW) / Packet Data Network (PDN) Gateway (PGW).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lte.S1uPeer • ltesgsn.S12uPeer 		
bearerContextNotFound [Bearer Context Not Found] (tmnxMobGwUserStatBcNotFound)	long	The value of tmnxMobGwUserStatBcNotFound indicates the number of bearer context not found errors on this peer.
bearers [Bearers] (tmnxMobGwUserStatBearers)	long	The value of tmnxMobGwUserStatBearers indicates the total number of bearers being served by this peer.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
downlinkBytes [Downlink Bytes] (tmnxMobGwUserStatDIBytes)	long	The value of tmnxMobGwUserStatDIBytes indicates the number of downlink bytes transmitted to this peer.
downlinkPackets [Downlink Packets] (tmnxMobGwUserStatDIPackets)	long	The value of tmnxMobGwUserStatDIPackets indicates the number of downlink packets transmitted to this peer.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
pathMgmtFails [Path Mgmt Fails] (tmnxMobGwUserStatPathMgmtFails)	long	The value of tmnxMobGwUserStatPathMgmtFails indicates the number of path management failures for this peer.
peerIpAddress [Peer Ip Address] (tmnxMobGwSigPeerAddress)	String	The value of tmnxMobGwSigPeerAddress indicates the IP address of this peer on signaling reference points.
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwSigPeerAddressType)	int	The value of tmnxMobGwSigPeerAddressType indicates the type of address represented by tmnxMobGwSigPeerAddress.
peerRestartCnt [Peer Restart Cnt] (tmnxMobGwUserStatPeerRestartCnt)	long	The value of tmnxMobGwUserStatPeerRestartCnt indicates the counter value of the number of times this peer restarted.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerRestarts [Peer Restarts] (tmnxMobGwUserStatPeerRestarts)	long	The value of tmnxMobGwUserStatPeerRestarts indicates the number of times this peer restarted.
peerType [Peer Type] (tmnxMobGwSigPeerType)	int	The tmnxMobGwSigPeerType is an enumerated integer that describes the type of a reference point peer.
receivedEchoRequests [Received Echo Requests] (tmnxMobGwUserStatRxEchoRequests)	long	The value of tmnxMobGwUserStatRxEchoRequests indicates the number of echo request messages received from this peer.
receivedEchoResponse [Received Echo Response] (tmnxMobGwUserStatRxEchoResponse)	long	The value of tmnxMobGwUserStatRxEchoResponse indicates the number of echo response messages received from this peer.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.
transmittedEchoRequests [Transmitted Echo Requests] (tmnxMobGwUserStatTxEchoRequests)	long	The value of tmnxMobGwUserStatTxEchoRequests indicates the number of echo request messages transmitted to this peer.
transmittedEchoResponse [Transmitted Echo Response] (tmnxMobGwUserStatTxEchoResponse)	long	The value of tmnxMobGwUserStatTxEchoResponse indicates the number of echo response messages transmitted to this peer.
type [Type] (tmnxMobGwSigRefPtType)	int	The value of tmnxMobGwSigRefPtType specifies the type of this reference point.

Table 546 Itegw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uplinkBytes [Uplink Bytes] (tmnxMobGwUserStatUIBytes)	long	The value of tmnxMobGwUserStatUIBytes indicates the number of uplink bytes received from this peer.
uplinkPackets [Uplink Packets] (tmnxMobGwUserStatUIPackets)	long	The value of tmnxMobGwUserStatUIPackets indicates the number of uplink packets received from this peer.

Table 547 Itehomeagent statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PiPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itehomeagent.PiPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
numberOfDeRegReAccpt [Number Of De Reg Re Accpt] (tmnxMobPdnPiStatRegReAccpt)	long	The value of tmnxMobPdnPiStatRegReAccpt indicates the total number of successful registration replies sent.
numberOfDeRegReqAccpt [Number Of De Reg Req Accpt] (tmnxMobPdnPiStatDeRegReqAccpt)	long	The value of tmnxMobPdnPiStatDeRegReqAccpt indicates the total number of requests for de-registration accepted.

Table 547 Itehomeagent statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfDeRegReqDeny [Number Of De Reg Req Deny] (tmnxMobPdnPiStatDeRegReqDenied)	long	The value of tmnxMobPdnPiStatDeRegReqDenied indicates the total number of requests for de-registration denied.
numberOfDeRegReqRx [Number Of De Reg Req Rx] (tmnxMobPdnPiStatDeRegReqRx)	long	The value of tmnxMobPdnPiStatDeRegReqRx indicates the total number of requests for de-registration recieved.
numberOfHoReqAccpt [Number Of Ho Req Accpt] (tmnxMobPdnPiStatHoReqAccpt)	long	The value of tmnxMobPdnPiStatHoReqAccpt indicates the total number of handoff requests accepted by Home Agent (HA).
numberOfHoReqDenied [Number Of Ho Req Denied] (tmnxMobPdnPiStatHoReqDenied)	long	The value of tmnxMobPdnPiStatHoReqDenied indicates the total number of handoff requests denied by Home Agent (HA).
numberOfHoReqRx [Number Of Ho Req Rx] (tmnxMobPdnPiStatHoReqRx)	long	The value of tmnxMobPdnPiStatHoReqRx indicates the total number of handoff requests recieved by Home Agent (HA) for an existing session.
numberOfHoReqUdpEncapUa [Number Of Ho Req Udp Encap Ua] (tmnxMobPdnPiStatHoReqUdpEncapUa)	long	The value of tmnxMobPdnPiStatHoReqUdpEncapUa indicates the total number of registration requests denied with the error code 'ERROR_HA_UDP_ENCAP_UNAVAIL': requested UPD tunnel encapsulation unavailable.
numberOfHoReqUnkCvseRx [Number Of Ho Req Unk Cvse Rx] (tmnxMobPdnPiStatHoReqUnkCvseRx)	long	The value of tmnxMobPdnPiStatHoReqUnkCvseRx indicates the total number of messages discarded because of an Foreign Agent (FA) reply code of 'ERROR-FA-1 100': unsupported Vendor-ID or unable to interpret Vendor Critical Vendor Specific Extension Type (Vendor-CVSE-Type).
numberOfHoReqUnsRsn [Number Of Ho Req Uns Rsn] (tmnxMobPdnPiStatHoReqUnsRsn)	long	The value of tmnxMobPdnPiStatHoReqUnsRsn indicates the total number of denied registration replies that were sent with a reply code of '80H': Registration Denied - reason unspecified.

Table 547 Itehomeagent statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfInitRegReqAccept [Number Of Init Reg Req Accept] (tmnxMobPdnPiStatInitRegReqAccpt)	long	The value of tmnxMobPdnPiStatInitRegReqAccpt indicates the total number of initial registration requests accepted.
numberOfInitRegReqDeny [Number Of Init Reg Req Deny] (tmnxMobPdnPiStatInitRegReqDenied)	long	The value of tmnxMobPdnPiStatInitRegReqDenied indicates the total number of initial registration requests denied.
numberOfInitRegReqRx [Number Of Init Reg Req Rx] (tmnxMobPdnPiStatInitRegReqRx)	long	The value of tmnxMobPdnPiStatInitRegReqRx indicates the total number of initial registration requests received.
numberOfInitRnwReqDeny [Number Of Init Rnw Req Deny] (tmnxMobPdnPiStatRnwRegReqDenied)	long	The value of tmnxMobPdnPiStatRnwRegReqDenied indicates the total number of renewal registration requests denied.
numberOfInitRnwReqRx [Number Of Init Rnw Req Rx] (tmnxMobPdnPiStatRnwRegReqRx)	long	The value of tmnxMobPdnPiStatRnwRegReqRx indicates the total number of renewal registration requests received.
numberOfRegReTotal [Number Of Reg Re Total] (tmnxMobPdnPiStatRegReTotal)	long	The value of tmnxMobPdnPiStatRegReTotal indicates the total number of registration replies sent.
numberOfRegRvcAckRx [Number Of Reg Rvc Ack Rx] (tmnxMobPdnPiStatRegRvcAckRx)	long	The value of tmnxMobPdnPiStatRegRvcAckRx indicates the total number of registration revocation request acknowledgements received from Foreign Agent (FA).
numberOfRegRvcAckSent [Number Of Reg Rvc Ack Sent] (tmnxMobPdnPiStatRegRvcAckSent)	long	The value of tmnxMobPdnPiStatRegRvcAckSent indicates the total number of registration revocation request acknowledgements sent to the Foreign Agent (FA).

Table 547 Itehomeagent statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfRegRvcNoAck [Number Of Reg Rvc No Ack] (tmnxMobPdnPiStatRegRvcNoAck)	long	The value of tmnxMobPdnPiStatRegRvcNoAck indicates the total number of registration revocation request messages that are timeout before an acknowledgement was received from the Foreign Agent (FA).
numberOfRegRvcReSent [Number Of Reg Rvc Re Sent] (tmnxMobPdnPiStatRegRvcReSent)	long	The value of tmnxMobPdnPiStatRegRvcReSent indicates the total number of registration revocation messages re-sent to the Foreign Agent (FA).
numberOfRegRvcRxTotal [Number Of Reg Rvc Rx Total] (tmnxMobPdnPiStatRegRvcRxTotal)	long	The value of tmnxMobPdnPiStatRegRvcRxTotal indicates the total number of registration revocation request messages received from the Foreign Agent (FA).
numberOfRegRvcSent [Number Of Reg Rvc Sent] (tmnxMobPdnPiStatRegRvcSent)	long	The value of tmnxMobPdnPiStatRegRvcSent indicates the total number of registration revocation messages sent to the Foreign Agent (FA).
peerIpAddress [Peer Ip Address] (tmnxMobPdnPiPeerAddress)	String	The value of tmnxMobPdnPiPeerAddress indicates the IP address of the peer on Pi reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnPiPeerAddressType)	int	The value of tmnxMobPdnPiPeerAddressType indicates the type of address represented by tmnxMobPdnPiPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobPdnPiPeerPort)	int	The value of tmnxMobPdnPiPeerPort indicates the port number of this peer.
refPtName [Ref Pt Name] (tmnxMobGwMipSigRefPtName)	String	The value of tmnxMobGwMipSigRefPtName specifies the name of this reference point.

Table 547 Itehomeagent statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 548 Iteli statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DFPeerCardGroupStat</p> <p>MIB entry name: tmnxMobLiDfPeerStatusEntry</p> <p>Entry description: Each row entry represents the status of the Delivery Function (DF) peer associated with a card group for Lawful Interception (LI).</p> <p>Table description (for tmnxMobLiDfPeerStatusTable): The tmnxMobLiDfPeerStatusTable has an entry for each Delivery Function (DF) peer associated with a card group for the Lawful Interception (LI).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteli.DFPeerCardGroup</p>		
df2TxPackets [Df 2 Tx Packets] (tmnxMobLiDf2PeerStatusPktsTx)	long	The value of tmnxMobLiDf2PeerStatusPktsTx indicates the number of packets transmitted to the Delivery Function 2 peer associated with this card group.
df3TxPackets [Df 3 Tx Packets] (tmnxMobLiDf3PeerStatusPktsTx)	long	The value of tmnxMobLiDf3PeerStatusPktsTx indicates the number of packets transmitted to the Delivery Function 3 peer associated with this card group.
dfPeerId [Df Peer Id] (tmnxMobLiDfPeer)	long	The value of tmnxMobLiDfPeer uniquely identifies a Delivery Function (DF) peer configured for Lawful Interception (LI) in the system.
groupId [Group Id] (tmnxMobLiDfPeerStatusCardGroup)	long	The value of tmnxMobLiDfPeerStatusCardGroup indicates the card group to which this Delivery Function peer belongs.

Table 548 Iteli statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DFPeerStat</p> <p>MIB entry name: tmnxMobLiDfPeerEntry</p> <p>Entry description: Each row entry represents a Delivery Function (DF) peer for Lawful Interception (LI).</p> <p>Table description (for tmnxMobLiDfPeerTable): The tmnxMobLiDfPeerTable has an entry for each Delivery Function (DF) peer for the Lawful Interception (LI).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteli.DFPeer</p>		
df2TxPackets [Df 2 Tx Packets] (tmnxMobLiDf2PeerPktsTx)	long	The value of tmnxMobLiDf2PeerPktsTx indicates the number of packets transmitted to the Delivery Function 2 peer.
df3TxPackets [Df 3 Tx Packets] (tmnxMobLiDf3PeerPktsTx)	long	The value of tmnxMobLiDf3PeerPktsTx indicates the number of packets transmitted to the Delivery Function 3 peer.
peerId [Peer Id] (tmnxMobLiDfPeer)	int	The value of tmnxMobLiDfPeer uniquely identifies a Delivery Function (DF) peer configured for Lawful Interception (LI) in the system.

Table 549 Itepmip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
S2aPeerStats MIB entry name: tmnxMobPdnS2aStatEntry Entry description: Each row entry represents a peer on the S2a reference point and contain statistics for this peer on a card. Table description (for tmnxMobPdnS2aStatTable): The tmnxMobPdnS2aStatTable has an entry for each peer on the S2a reference point. Supports realtime plotting Supports scheduled collection Monitored class: Itepmip.S2aPeer		
bindingRevocationMesReceived [Binding Revocation Mes Received] (tmnxMobPdnS2aStatBri)	long	The value of tmnxMobPdnS2aStatBri indicates the number of Binding Revocation Indication messages transmitted to this peer.
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
failedBindingRevocationAck [Failed Binding Revocation Ack] (tmnxMobPdnS2aStatBraFailure)	long	The value of tmnxMobPdnS2aStatBraFailure indicates the number of failed Binding Revocation Acknowledgements received from this peer.
failedProxyBindingAckTransmitted [Failed Proxy Binding Ack Transmitted] (tmnxMobPdnS2aStatPbaFailure)	long	The value of tmnxMobPdnS2aStatPbaFailure indicates the number of failed Proxy Binding Acknowledgements transmitted to this peer.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
heartBeatReqMsgReceived [Heart Beat Req Msg Received] (tmnxMobPdnS2aStatHeartBeatReqRx)	long	The value of tmnxMobPdnS2aStatHeartBeatReqRx indicates the number of heartbeat request messages received from this peer.
heartBeatReqMsgTransmitted [Heart Beat Req Msg Transmitted] (tmnxMobPdnS2aStatHeartBeatReqTx)	long	The value of tmnxMobPdnS2aStatHeartBeatReqTx indicates the number of heartbeat request messages transmitted to this peer.
heartBeatResponseMsgReceived [Heart Beat Response Msg Received] (tmnxMobPdnS2aStatHeartBeatRespRx)	long	The value of tmnxMobPdnS2aStatHeartBeatRespRx indicates the number of heartbeat response messages received from this peer.
heartBeatResponseMsgTransmitted [Heart Beat Response Msg Transmitted] (tmnxMobPdnS2aStatHeartBeatRespTx)	long	The value of tmnxMobPdnS2aStatHeartBeatRespTx indicates the number of heartbeat response messages transmitted to this peer.
isPGWcompatiblewithIPV6 [Is PGWcompatiblewith IPV6] (tmnxMobPdnS2aStatHBCCompatible)	boolean	The value of tmnxMobPdnS2aStatHBCCompatible indicates if the Packet Data Network Gateway (PGW) detects the peer to be compatible with Proxy Mobile IPv6 (PMIPv6) heartbeat mechanism.
malformedPacketsReceived [Malformed Packets Received] (tmnxMobPdnS2aStatRxMalformedPkts)	long	The value of tmnxMobPdnS2aStatRxMalformedPkts indicates the number of malformed packets received from this peer.
missingInfoElementPacketsReceived [Missing Info Element Packets Received] (tmnxMobPdnS2aStatRxMissinglePkts)	long	The value of tmnxMobPdnS2aStatRxMissinglePkts indicates the number of missing mandatory Information Element (IE) packets received from this peer.
pathManagementFailures [Path Management Failures] (tmnxMobPdnS2aStatPathMgmtFail)	long	The value of tmnxMobPdnS2aStatPathMgmtFail indicates the number of path management failures for this peer.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerIpAddress [Peer Ip Address] (tmnxMobPdnS2aPeerAddress)	String	The value of tmnxMobPdnS2aPeerAddress indicates the IP address of the peer on S2a reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnS2aPeerAddressType)	int	The value of tmnxMobPdnS2aPeerAddressType indicates the type of address represented by tmnxMobPdnS2aPeerAddress.
peerRestartCount [Peer Restart Count] (tmnxMobPdnS2aStatPeerRestartCnt)	long	The value of tmnxMobPdnS2aStatPeerRestartCnt indicates the counter value of the number of times this peer restarted.
peerRestarts [Peer Restarts] (tmnxMobPdnS2aStatPeerRestart)	long	The value of tmnxMobPdnS2aStatPeerRestart indicates if the peer has restarted after registering with the Packet Data Network Gateway (PGW).
peerTcpPort [Peer Tcp Port] (tmnxMobPdnS2aPeerPort)	int	The value of tmnxMobPdnS2aPeerPort indicates the port number of this peer.
proxyBindingUpdatesReceived [Proxy Binding Updates Received] (tmnxMobPdnS2aStatPbu)	long	The value of tmnxMobPdnS2aStatPbu indicates the number of Proxy Binding Updates received from this peer.
successfulBindingRevocationAck [Successful Binding Revocation Ack] (tmnxMobPdnS2aStatBraSuccess)	long	The value of tmnxMobPdnS2aStatBraSuccess indicates the number of successful Binding Revocation Acknowledgements received from this peer.
successfulProxyBindingTransmitted [Successful Proxy Binding Transmitted] (tmnxMobPdnS2aStatPbaSuccess)	long	The value of tmnxMobPdnS2aStatPbaSuccess indicates the number of successful Proxy Binding transmitted to this peer.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMobPdnS2aStatRxUnknownPkts)	long	The value of tmnxMobPdnS2aStatRxUnknownPkts indicates the number of unknown message type packets received from this peer.

Table 549 Itepmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>S6bFailureCodeStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itepmp.S6bPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAVPNotAllowed [Rx AVPNot Allowed] (tmnxMobPdnS6bCcRxAvpNotAllowed)	long	The value of tmnxMobPdnS6bCcRxAvpNotAllowed indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
rxAVPUnSupport [Rx AVPUn Support] (tmnxMobPdnS6bCcRxAvpUnsupport)	long	The value of tmnxMobPdnS6bCcRxAvpUnsupport indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
rxAuthReject [Rx Auth Reject] (tmnxMobPdnS6bCcRxAuthZReject)	long	The value of tmnxMobPdnS6bCcRxAuthZReject indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).
rxIdNotRegist [Rx Id Not Regist] (tmnxMobPdnS6bCcRxIdNotRegist)	long	The value of tmnxMobPdnS6bCcRxIdNotRegist indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_NOT_REGISTERED (5003).
rxIdRegistered [Rx Id Registered] (tmnxMobPdnS6bCcRxIdRegistered)	long	The value of tmnxMobPdnS6bCcRxIdRegistered indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_ALREADY_REGISTERED (5005).
rxInvalAVPVal [Rx Inval AVPVal] (tmnxMobPdnS6bCcRxInvalAvpVal)	long	The value of tmnxMobPdnS6bCcRxInvalAvpVal indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
rxMissingAVP [Rx Missing AVP] (tmnxMobPdnS6bCcRxMissingAvp)	long	The value of tmnxMobPdnS6bCcRxMissingAvp indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNewerSessDetect [Rx Newer Sess Detect] (tmnxMobPdnS6bCcRxNewerSessDetect)	long	The value of tmnxMobPdnS6bCcRxNewerSessDetect indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_NEWER_SESSION_DETECTED (5199).
rxNoNon3gppSub [Rx No Non 3 gpp Sub] (tmnxMobPdnS6bCcRxNoNon3gppSub)	long	The value of tmnxMobPdnS6bCcRxNoNon3gppSub indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTION (5450).
rxOIRtryNotAllow [Rx OI Rtry Not Allow] (tmnxMobPdnS6bCcRxOIRtryNotAllow)	long	The value of tmnxMobPdnS6bCcRxOIRtryNotAllow indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_OVERLOAD_RETRY_NOT_ALLOWED_TO_ANY (5198).
rxRatNotAllow [Rx Rat Not Allow] (tmnxMobPdnS6bCcRxRatNotAllow)	long	The value of tmnxMobPdnS6bCcRxRatNotAllow indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_RAT_TYPE_NOT_ALLOWED (5452).
rxRoamNotAllow [Rx Roam Not Allow] (tmnxMobPdnS6bCcRxRoamNotAllow)	long	The value of tmnxMobPdnS6bCcRxRoamNotAllow indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_ROAMING_NOT_ALLOWED (5004).
rxRsrcExceed [Rx Rsrc Exceed] (tmnxMobPdnS6bCcRxResourceExceed)	long	The value of tmnxMobPdnS6bCcRxResourceExceed indicates the number of AA-Answer (AAA) the messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).
rxTooBusy [Rx Too Busy] (tmnxMobPdnS6bCcRxTooBusy)	long	The value of tmnxMobPdnS6bCcRxTooBusy indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxUnableToDeliver [Rx Unable To Deliver] (tmnxMobPdnS6bCcRxUnableToDeliver)	long	The value of tmnxMobPdnS6bCcRxUnableToDeliver indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
rxUnknownSessId [Rx Unknown Sess Id] (tmnxMobPdnS6bCcRxUnkSessId)	long	The value of tmnxMobPdnS6bCcRxUnkSessId indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
rxUserUnknown [Rx User Unknown] (tmnxMobPdnS6bCcRxUserUnknown)	long	The value of tmnxMobPdnS6bCcRxUserUnknown indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_USER_UNKNOWN (5001).
rxUsrNoApnSubscr [Rx Usr No Apn Subscr] (tmnxMobPdnS6bCcRxUserNoApnSub)	long	The value of tmnxMobPdnS6bCcRxUserNoApnSub indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION (5451).
txASAUncapableComply [Tx ASAUncapable Comply] (tmnxMobPdnS6bCcTxAsaUnComply)	long	The value of tmnxMobPdnS6bCcTxAsaUnComply indicates the number of Abort-Session-Answer (ASA) the messages transmitted from this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
txASAUncapableSess [Tx ASAUncapable Sess] (tmnxMobPdnS6bCcTxAsaUnkSessId)	long	The value of tmnxMobPdnS6bCcTxAsaUnkSessId indicates the number of the Abort-Session-Answer (ASA) messages transmitted from this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
txOther3XXX [Tx Other 3 XXX] (tmnxMobPdnS6bCcRxOther3XXX)	long	The value of tmnxMobPdnS6bCcRxOther3XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other protocol errors.
txOther4XXX [Tx Other 4 XXX] (tmnxMobPdnS6bCcRxOther4XXX)	long	The value of tmnxMobPdnS6bCcRxOther4XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other transient failures.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txOther5XXX [Tx Other 5 XXX] (tmnxMobPdnS6bCcRxOther5XXX)	long	The value of tmnxMobPdnS6bCcRxOther5XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other permanent failures.
txRAAUnableComply [Tx RAAUnable Comply] (tmnxMobPdnS6bCcTxRaaUnComply)	long	The value of tmnxMobPdnS6bCcTxRaaUnComply indicates the number of Re-Auth-Answer (RAA) the messages transmitted from this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
txRAAUnknownSess [Tx RAAUnknown Sess] (tmnxMobPdnS6bCcTxRaaUnkSessId)	long	The value of tmnxMobPdnS6bCcTxRaaUnkSessId indicates the number of the Re-Auth-Answer (RAA) messages transmitted from this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
txStrAdmin [Tx Str Admin] (tmnxMobPdnS6bCcTxStrAdmin)	long	The value of tmnxMobPdnS6bCcTxStrAdmin indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_ADMINISTRATIVE (4).
txStrBadAnswer [Tx Str Bad Answer] (tmnxMobPdnS6bCcTxStrBadAnswer)	long	The value of tmnxMobPdnS6bCcTxStrBadAnswer indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_BAD_ANSWER (3).
txStrLogout [Tx Str Logout] (tmnxMobPdnS6bCcTxStrLogout)	long	The value of tmnxMobPdnS6bCcTxStrLogout indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_LOGOUT (1).
txStrServNotProv [Tx Str Serv Not Prov] (tmnxMobPdnS6bCcTxStrServNotProv)	long	The value of tmnxMobPdnS6bCcTxStrServNotProv indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_SERVICE_NOT_PROVIDED (2).

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txStrSessTimeOut [Tx Str Sess Time Out] (tmnxMobPdnS6bCcTxStrSessTimeout)	long	The value of tmnxMobPdnS6bCcTxStrSessTimeout indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_SESSION_TIMEOUT (8).
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>S6bPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itepmip.S6bPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
numAARMsgDroppedCurrCongestion [Num AARMsg Dropped Curr Congestion] (tmnxMobPdnS6bStatCurrCgAarMsg)	long	The value of tmnxMobPdnS6bStatCurrCgAarMsg indicates the number of AA Request (AAR) messages to this peer dropped during the current congestion.
numAARMsgDroppedPrevCongestion [Num AARMsg Dropped Prev Congestion] (tmnxMobPdnS6bStatPrevCgAarMsg)	long	The value of tmnxMobPdnS6bStatPrevCgAarMsg indicates the number of AA Request (AAR) messages to this peer dropped during the prior congestion.
numASAMsgDroppedCurrCongestion [Num ASAMsg Dropped Curr Congestion] (tmnxMobPdnS6bStatCurrCgAsaMsg)	long	The value of tmnxMobPdnS6bStatCurrCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the current congestion.
numASAMsgDroppedPrevCongestion [Num ASAMsg Dropped Prev Congestion] (tmnxMobPdnS6bStatPrevCgAsaMsg)	long	The value of tmnxMobPdnS6bStatPrevCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the prior congestion.
numPendingMsgCurrCongestion [Num Pending Msg Curr Congestion] (tmnxMobPdnS6bStatCurrCgPendMsg)	long	The value of tmnxMobPdnS6bStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.
numRAAMsgDroppedCurrCongestion [Num RAAMsg Dropped Curr Congestion] (tmnxMobPdnS6bStatCurrCgRaaMsg)	long	The value of tmnxMobPdnS6bStatCurrCgRaaMsg indicates the number of Re-Authorization Answer (RAA) messages to this peer dropped during the current congestion.
numRAAMsgDroppedPrevCongestion [Num RAAMsg Dropped Prev Congestion] (tmnxMobPdnS6bStatPrevCgRaaMsg)	long	The value of tmnxMobPdnS6bStatPrevCgRaaMsg indicates the number of Re-Authorization Answer (RAA) messages to this peer dropped during the prior congestion.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numRARPcscfRecvry [Num RARPcscf Recvry] (tmnxMobPdnS6bStatRARPcscfRecvry)	long	The value of tmnxMobPdnS6bStatRARPcscfRecvry indicates the number of reauthorization request primary Proxy Call Session Control Function (PCSCF) recovery messages received by the Packet Data Network Gateway (PGW).
numSTRMsgDroppedCurrCongestion [Num STRMsg Dropped Curr Congestion] (tmnxMobPdnS6bStatCurrCgStrMsg)	long	The value of tmnxMobPdnS6bStatCurrCgStrMsg indicates the number of Session Termination Request (STR) messages to this peer dropped during the current congestion.
numSTRMsgDroppedPrevCongestion [Num STRMsg Dropped Prev Congestion] (tmnxMobPdnS6bStatPrevCgStrMsg)	long	The value of tmnxMobPdnS6bStatPrevCgStrMsg indicates the number of Session Termination Request (STR) messages to this peer dropped during the prior congestion.
pdnS6bAAABadAVPValue [Pdn S6 b AAABad AVPValue] (tmnxMobPdnS6bAAABadAVPValue)	long	The value of tmnxMobPdnS6bAAABadAVPValue indicates the number of AA Answer (AAA) messages received with a bad Attribute Value Pair (AVP) parameter.
pdnS6bAAAMalformedPktsRx [Pdn S6 b AAAMalformed Pkts Rx] (tmnxMobPdnS6bAAAMalformedPktsRx)	long	The value of tmnxMobPdnS6bAAAMalformedPktsRx indicates the number of malformed AA Answer (AAA) messages received at the Packet Data Network Gateway (PGW).
pdnS6bAARFinalTOTx [Pdn S6 b AARFinal TOTx] (tmnxMobPdnS6bAARFinalTOTx)	long	The value of tmnxMobPdnS6bAARFinalTOTx indicates the number of AA Request (AAR) retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.
pdnS6bASAUnknownSessTx [Pdn S6 b ASAUnknown Sess Tx] (tmnxMobPdnS6bASAUnknownSessTx)	long	The value of tmnxMobPdnS6bASAUnknownSessTx indicates the number of Abort Session Answer (ASA) messages sent when the session identified in the Abort Session Request (ASR) message could not be found.
pdnS6bASRBadAVPValueRx [Pdn S6 b ASRBad AVPValue Rx] (tmnxMobPdnS6bASRBadAVPValueRx)	long	The value of tmnxMobPdnS6bASRBadAVPValueRx indicates the number of Abort Session Request (ASR) messages received with a bad Attribute Value Pair (AVP) parameter.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bASRDuplicateRx [Pdn S6 b ASRDuplicate Rx] (tmnxMobPdnS6bASRDuplicateRx)	long	The value of tmnxMobPdnS6bASRDuplicateRx indicates the number of Abort Session Request (ASR) messages received for a session that is currently processing a previously received ASR message.
pdnS6bRAAUnknownSessTx [Pdn S6 b RAAUnknown Sess Tx] (tmnxMobPdnS6bRAAUnknownSessTx)	long	The value of tmnxMobPdnS6bRAAUnknownSessTx indicates the number of Reauthorization Answer (RAA) messages sent when the session identified in the Reauthorization Request (RAR) could not be found.
pdnS6bRARBadAVPValueRx [Pdn S6 b RARBad AVPValue Rx] (tmnxMobPdnS6bRARBadAVPValueRx)	long	The value of tmnxMobPdnS6bRARBadAVPValueRx indicates the number of Reauthorization Request (RAR) messages received with a bad Attribute Value Pair (AVP) parameter.
pdnS6bRARDuplicateRx [Pdn S6 b RARDuplicate Rx] (tmnxMobPdnS6bRARDuplicateRx)	long	The value of tmnxMobPdnS6bRARDuplicateRx indicates the number of Reauthorization Request (RAR) messages received for a session that is currently processing a previously received RAR message.
pdnS6bSTABadAVPValueRx [Pdn S6 b STABad AVPValue Rx] (tmnxMobPdnS6bSTABadAVPValueRx)	long	The value of tmnxMobPdnS6bSTABadAVPValueRx indicates the number of Session Termination Answer (STA) messages received with a bad Attribute Value Pair (AVP) parameter.
pdnS6bSTAMalformedPktsRx [Pdn S6 b STAMalformed Pkts Rx] (tmnxMobPdnS6bSTAMalformedPktsRx)	long	The value of tmnxMobPdnS6bSTAMalformedPktsRx indicates the number of malformed Session Termination Answer (STA) messages received at the Packet Data Network Gateway (PGW).
pdnS6bSTRFinalTOTx [Pdn S6 b STRFinal TOTx] (tmnxMobPdnS6bSTRFinalTOTx)	long	The value of tmnxMobPdnS6bSTRFinalTOTx indicates the number of Session Termination Request (STR) retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting(AAA) server.
pdnS6bSTRUnknownSessTx [Pdn S6 b STRUnknown Sess Tx] (tmnxMobPdnS6bSTRUnknownSessTx)	long	The value of tmnxMobPdnS6bSTRUnknownSessTx indicates the number of Session Termination Requests (STR) the Packet Data Network Gateway (PGW) sends upon receiving AA Answer (AAA) message for an unknown session.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bStatAADetachRx [Pdn S6 b Stat AADetach Rx] (tmnxMobPdnS6bStatAADetachRx)	long	The value of tmnxMobPdnS6bStatAADetachRx indicates the number of AA Answer messages received from this peer for a detach.
pdnS6bStatAAExtnRx [Pdn S6 b Stat AAExtn Rx] (tmnxMobPdnS6bStatAAExtnRx)	long	The value of tmnxMobPdnS6bStatAAExtnRx indicates the number of AA Answer messages received from this peer for a lifetime extension.
pdnS6bStatAAInitAtchRx [Pdn S6 b Stat AAInit Atch Rx] (tmnxMobPdnS6bStatAAInitAtchRx)	long	The value of tmnxMobPdnS6bStatAAInitAtchRx indicates the number of AA Answer messages received from this peer for an initial attach.
pdnS6bStatAAAMissAVPPktRx [Pdn S6 b Stat AAAMiss AVPPkt Rx] (tmnxMobPdnS6bStatAAAMissAVPPktRx)	long	The value of tmnxMobPdnS6bStatAAAMissAVPPktRx indicates the number of AA Answer messages missing a mandatory attribute received by Packet Data Network Gateway (PGW).
pdnS6bStatAAReauthRx [Pdn S6 b Stat AAReauth Rx] (tmnxMobPdnS6bStatAAReauthRx)	long	The value of tmnxMobPdnS6bStatAAReauthRx indicates the number of AA Answer messages received from this peer for a reauthorization.
pdnS6bStatAAARedRx [Pdn S6 b Stat AAARed Rx] (tmnxMobPdnS6bStatAAARedRx)	long	The value of tmnxMobPdnS6bStatAAARedRx indicates the number of AA Answers messages received for the AA Request (AAR) message requesting redirection to a new AAA host.
pdnS6bStatAAARectRx [Pdn S6 b Stat AAARect Rx] (tmnxMobPdnS6bStatAAARectRx)	long	The value of tmnxMobPdnS6bStatAAARectRx indicates the number of AA Answer messages received from this peer with Result-Code not set to diameter success.
pdnS6bStatAAASuccessRx [Pdn S6 b Stat AAASuccess Rx] (tmnxMobPdnS6bStatAAASuccessRx)	long	The value of tmnxMobPdnS6bStatAAASuccessRx indicates the number of AA Answer messages received from this peer with Result-Code set to diameter success.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bStatAAUnknSesPktRx [Pdn S6 b Stat AAUnkn Ses Pkt Rx] (tmnxMobPdnS6bStatAAUnknSesPktRx)	long	The value of tmnxMobPdnS6bStatAAUnknSesPktRx indicates the number of AA answer messages received by the Packet Data Network Gateway (PGW) for which a session does not exist.
pdnS6bStatAARDetachTx [Pdn S6 b Stat AARDetach Tx] (tmnxMobPdnS6bStatAARDetachTx)	long	The value of tmnxMobPdnS6bStatAARDetachTx indicates the number of AA Request messages transmitted to this peer when detaching a session.
pdnS6bStatAARExtnTx [Pdn S6 b Stat AARExtn Tx] (tmnxMobPdnS6bStatAARExtnTx)	long	The value of tmnxMobPdnS6bStatAARExtnTx indicates the number of AA Request messages transmitted to this peer on behalf of a lifetime extension.
pdnS6bStatAARInitTx [Pdn S6 b Stat AARInit Tx] (tmnxMobPdnS6bStatAARInitTx)	long	The value of tmnxMobPdnS6bStatAARInitTx indicates the number of AA Request messages transmitted to this peer on behalf of an initial attach.
pdnS6bStatAARReauthTx [Pdn S6 b Stat AARReauth Tx] (tmnxMobPdnS6bStatAARReauthTx)	long	The value of tmnxMobPdnS6bStatAARReauthTx indicates the number of AA Request messages transmitted to this peer during a reauthorization.
pdnS6bStatAARRedFailTx [Pdn S6 b Stat AARRed Fail Tx] (tmnxMobPdnS6bStatAARRedFailTx)	long	The value of tmnxMobPdnS6bStatAARRedFailTx indicates the number of AA Request (AAR) transmitted that failed to be re-sent after receiving a redirection request.
pdnS6bStatAARRedTx [Pdn S6 b Stat AARRed Tx] (tmnxMobPdnS6bStatAARRedTx)	long	The value of tmnxMobPdnS6bStatAARRedTx indicates the number of AA Requests (AAR) re-sent after receiving a redirection request. This does not include messages that are sent to the redirected host when redirection has already been established.
pdnS6bStatAARRetries [Pdn S6 b Stat AARRetries] (tmnxMobPdnS6bStatAARRetries)	long	The value of tmnxMobPdnS6bStatAARRetries indicates the number of times the Packet Data Network Gateway (PGW) retried to send an AA Request.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bStatASAnswerTx [Pdn S6 b Stat ASAnswer Tx] (tmnxMobPdnS6bStatASAnswerTx)	long	The value of tmnxMobPdnS6bStatASAnswerTx indicates the number of Abort session answer messages transmitted by the Packet Data Network Gateway (PGW).
pdnS6bStatASRMissAVPPktRx [Pdn S6 b Stat ASRMiss AVPPkt Rx] (tmnxMobPdnS6bStatASRMissAVPPktRx)	long	The value of tmnxMobPdnS6bStatASRMissAVPPktRx indicates the number of abort session request messages missing a mandatory parameter received by the Packet Data Network Gateway (PGW).
pdnS6bStatASRequestRx [Pdn S6 b Stat ASRequest Rx] (tmnxMobPdnS6bStatASRequestRx)	long	The value of tmnxMobPdnS6bStatASRequestRx indicates the number of abort session request messages received by the Packet Data Network Gateway (PGW).
pdnS6bStatCEAMsgsRx [Pdn S6 b Stat CEAMsgs Rx] (tmnxMobPdnS6bStatCEAMsgsRx)	long	The value of tmnxMobPdnS6bStatCEAMsgsRx indicates the number of Capability Exchange Answer (CEA) messages received from this peer.
pdnS6bStatCERMsgsTx [Pdn S6 b Stat CERMsgs Tx] (tmnxMobPdnS6bStatCERMsgsTx)	long	The value of tmnxMobPdnS6bStatCERMsgsTx indicates the number of Capability Exchange Request (CER) messages transmitted to this peer.
pdnS6bStatConnAttempts [Pdn S6 b Stat Conn Attempts] (tmnxMobPdnS6bStatConnAttempts)	long	The value of tmnxMobPdnS6bStatConnAttempts indicates the number of connections attempted to this peer.
pdnS6bStatConnFailures [Pdn S6 b Stat Conn Failures] (tmnxMobPdnS6bStatConnFailures)	long	The value of tmnxMobPdnS6bStatConnFailures indicates the number of failed connections with this peer.
pdnS6bStatDPAMsgsRx [Pdn S6 b Stat DPAMsgs Rx] (tmnxMobPdnS6bStatDPAMsgsRx)	long	The value of tmnxMobPdnS6bStatDPAMsgsRx indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bStatDPAMsgsTx [Pdn S6 b Stat DPAMsgs Tx] (tmnxMobPdnS6bStatDPAMsgsTx)	long	The value of tmnxMobPdnS6bStatDPAMsgsTx indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
pdnS6bStatDPRMMsgsRx [Pdn S6 b Stat DPRMMsgs Rx] (tmnxMobPdnS6bStatDPRMMsgsRx)	long	The value of tmnxMobPdnS6bStatDPRMMsgsRx indicates the number of Disconnect Peer Request (DPR) messages received from this peer.
pdnS6bStatDPRMMsgsTx [Pdn S6 b Stat DPRMMsgs Tx] (tmnxMobPdnS6bStatDPRMMsgsTx)	long	The value of tmnxMobPdnS6bStatDPRMMsgsTx indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
pdnS6bStatDWAMsgsRx [Pdn S6 b Stat DWAMsgs Rx] (tmnxMobPdnS6bStatDWAMsgsRx)	long	The value of tmnxMobPdnS6bStatDWAMsgsRx indicates the number of Device Watch Answer (DWA) messages received from this peer.
pdnS6bStatDWAMsgsTx [Pdn S6 b Stat DWAMsgs Tx] (tmnxMobPdnS6bStatDWAMsgsTx)	long	The value of tmnxMobPdnS6bStatDWAMsgsTx indicates the number of Device Watch Answer (DWA) messages transmitted to this peer.
pdnS6bStatDWRMMsgsRx [Pdn S6 b Stat DWRMMsgs Rx] (tmnxMobPdnS6bStatDWRMMsgsRx)	long	The value of tmnxMobPdnS6bStatDWRMMsgsRx indicates the number of Device Watchdog Request (DWR) messages received from this peer.
pdnS6bStatDWRMMsgsTx [Pdn S6 b Stat DWRMMsgs Tx] (tmnxMobPdnS6bStatDWRMMsgsTx)	long	The value of tmnxMobPdnS6bStatDWRMMsgsTx indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.
pdnS6bStatMessagesRx [Pdn S6 b Stat Messages Rx] (tmnxMobPdnS6bStatMessagesRx)	long	The value of tmnxMobPdnS6bStatMessagesRx indicates the total number of s6b application messages received from this peer.
pdnS6bStatMessagesTx [Pdn S6 b Stat Messages Tx] (tmnxMobPdnS6bStatMessagesTx)	long	The value of tmnxMobPdnS6bStatMessagesTx indicates the total number of s6b application messages transmitted to this peer.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bStatRAAnswerTx [Pdn S6 b Stat RAAnswer Tx] (tmnxMobPdnS6bStatRAAnswerTx)	long	The value of tmnxMobPdnS6bStatRAAnswerTx indicates the number of reauthorization answer messages transmitted by the Packet Data Network Gateway (PGW).
pdnS6bStatRARMissAVPPktRx [Pdn S6 b Stat RARMiss AVPPkt Rx] (tmnxMobPdnS6bStatRARMissAVPPktRx)	long	The value of tmnxMobPdnS6bStatRARMissAVPPktRx indicates the number of reauthorization request messages missing a mandatory attribute received by the Packet Data Network Gateway (PGW).
pdnS6bStatRARRequestRx [Pdn S6 b Stat RARRequest Rx] (tmnxMobPdnS6bStatRARRequestRx)	long	The value of tmnxMobPdnS6bStatRARRequestRx indicates the number of reauthorization request messages received by the Packet Data Network Gateway (PGW).
pdnS6bStatRxInvalidCea [Pdn S6 b Stat Rx Invalid Cea] (tmnxMobPdnS6bStatRxInvalidCea)	long	The value of tmnxMobPdnS6bStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
pdnS6bStatRxMsgTooBig [Pdn S6 b Stat Rx Msg Too Big] (tmnxMobPdnS6bStatRxMsgTooBig)	long	The value of tmnxMobPdnS6bStatRxMsgTooBig indicates the number of oversize messages received from this peer.
pdnS6bStatRxMsgTooSmall [Pdn S6 b Stat Rx Msg Too Small] (tmnxMobPdnS6bStatRxMsgTooSmall)	long	The value of tmnxMobPdnS6bStatRxMsgTooSmall indicates the number of small messages received from this peer.
pdnS6bStatRxMsgUnexpctVer [Pdn S6 b Stat Rx Msg Unexpct Ver] (tmnxMobPdnS6bStatRxMsgUnexpctVer)	long	The value of tmnxMobPdnS6bStatRxMsgUnexpctVer indicates the number of unexpected version messages received from this peer.
pdnS6bStatRxTransportDisc [Pdn S6 b Stat Rx Transport Disc] (tmnxMobPdnS6bStatRxTransportDisc)	long	The value of tmnxMobPdnS6bStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnS6bStatSTAMissAVPPktRx [Pdn S6 b Stat STAMiss AVPPkt Rx] (tmnxMobPdnS6bStatSTAMissAVPPktRx)	long	The value of tmnxMobPdnS6bStatSTAMissAVPPktRx indicates the number of session termination answer messages missing a mandatory attribute received by the Packet Data Network Gateway (PGW).
pdnS6bStatSTAnswerRx [Pdn S6 b Stat STAnswer Rx] (tmnxMobPdnS6bStatSTAnswerRx)	long	The value of tmnxMobPdnS6bStatSTAnswerRx indicates the number of session termination answer messages received by the Packet Data Network Gateway (PGW).
pdnS6bStatSTRRetries [Pdn S6 b Stat STRRetries] (tmnxMobPdnS6bStatSTRRetries)	long	The value of tmnxMobPdnS6bStatSTRRetries indicates the number of times the Packet Data Network Gateway (PGW) retried to send an session termination request.
pdnS6bStatSTRequestTx [Pdn S6 b Stat STRequest Tx] (tmnxMobPdnS6bStatSTRequestTx)	long	The value of tmnxMobPdnS6bStatSTRequestTx indicates the number of session termination request messages transmitted by the Packet Data Network Gateway (PGW).
pdnS6bStatTxRetrnsmiMsgs [Pdn S6 b Stat Tx Retrnsmi Msgs] (tmnxMobPdnS6bStatTxRetrnsmiMsgs)	long	The value of tmnxMobPdnS6bStatTxRetrnsmiMsgs indicates the number of retransmit messages transmitted to this peer.
pdnS6bStatUnkAAARedHostRx [Pdn S6 b Stat Unk AAARed Host Rx] (tmnxMobPdnS6bStatUnkAAARedHostRx)	long	The value of tmnxMobPdnS6bStatUnkAAARedHostRx indicates the number of AA Answers messages received that include request for redirection to an unknown AAA host address.
peerIpAddress [Peer Ip Address] (tmnxMobPdnS6bPeerAddress)	String	The value of tmnxMobPdnS6bPeerAddress indicates the IP address of the peer on S6b reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnS6bPeerAddressType)	int	The value of tmnxMobPdnS6bPeerAddressType indicates the type of address represented by tmnxMobPdnS6bPeerAddress.

Table 549 Itepmip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTcpPort [Peer Tcp Port] (tmnxMobPdnS6bPeerPort)	int	The value of tmnxMobPdnS6bPeerPort indicates the port number of this peer.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 550 Iteradius statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdnRadiusPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iteradius.PdnRadiusPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
pdnRadStatAccessAcceptRx [Pdn Rad Stat Access Accept Rx] (tmnxMobPdnRadStatAccessAcceptRx)	long	The value of tmnxMobPdnRadStatAccessAcceptRx indicates the number of Access-Accept messages received by the PGW/GGSN. This includes messages that may be discarded due to errors.
pdnRadStatAccessChallngRx [Pdn Rad Stat Access Challng Rx] (tmnxMobPdnRadStatAccessChallngRx)	long	The value of tmnxMobPdnRadStatAccessChallngRx indicates the number of the challenged access requests recieved by the PGW/GGSN.

Table 550 Iteradius statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnRadStatAccessRejectRx [Pdn Rad Stat Access Reject Rx] (tmnxMobPdnRadStatAccessRejectRx)	long	The value of tmnxMobPdnRadStatAccessRejectRx indicates the number of Access-Reject messages received by the PGW/GGSN.
pdnRadStatAccessReqTx [Pdn Rad Stat Access Req Tx] (tmnxMobPdnRadStatAccessReqTx)	long	The value of tmnxMobPdnRadStatAccessReqTx indicates the number of Access-Request messages sent by the Packet Data Network Gateway (PGW)/Gateway GPRS Service Node (GGSN).
pdnRadStatAcctReqIntrmTx [Pdn Rad Stat Acct Req Intrm Tx] (tmnxMobPdnRadStatAcctReqIntrmTx)	long	The value of tmnxMobPdnRadStatAcctReqIntrmTx indicates the number of Accounting-Request interim messages sent by the PGW/GGSN.
pdnRadStatAcctReqStartTx [Pdn Rad Stat Acct Req Start Tx] (tmnxMobPdnRadStatAcctReqStartTx)	long	The value of tmnxMobPdnRadStatAcctReqStartTx indicates the number of Accounting-Request start messages sent by the PGW/GGSN.
pdnRadStatAcctReqStopTx [Pdn Rad Stat Acct Req Stop Tx] (tmnxMobPdnRadStatAcctReqStopTx)	long	The value of tmnxMobPdnRadStatAcctReqStopTx indicates the number of Accounting-Request stop messages sent by the PGW/GGSN.
pdnRadStatAcctResponseRx [Pdn Rad Stat Acct Response Rx] (tmnxMobPdnRadStatAcctResponseRx)	long	The value of tmnxMobPdnRadStatAcctResponseRx indicates the number of Accounting-Response messages received by the PGW/GGSN.
pdnRadStatAuthError [Pdn Rad Stat Auth Error] (tmnxMobPdnRadStatAuthError)	long	The value of tmnxMobPdnRadStatAuthError indicates the number of invalid authenticator values in the Access-Response or Accounting-Response messages.
pdnRadStatDiscAckTx [Pdn Rad Stat Disc Ack Tx] (tmnxMobPdnRadStatDiscAckTx)	long	The value of tmnxMobPdnRadStatDiscAckTx indicates the number of Disconnect-ACK messages sent by the PGW/GGSN.

Table 550 Iteradius statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnRadStatDiscAuthError [Pdn Rad Stat Disc Auth Error] (tmnxMobPdnRadStatDiscAuthError)	long	The value of tmnxMobPdnRadStatDiscAuthError indicates the number of invalid authenticator values in the Disconnect-Request messages.
pdnRadStatDiscMandAtrMiss [Pdn Rad Stat Disc Mand Atr Miss] (tmnxMobPdnRadStatDiscMandAtrMiss)	long	The value of tmnxMobPdnRadStatDiscMandAtrMiss indicates the number of Disconnect-Request messages with missing mandatory attribute.
pdnRadStatDiscNakTx [Pdn Rad Stat Disc Nak Tx] (tmnxMobPdnRadStatDiscNakTx)	long	The value of tmnxMobPdnRadStatDiscNakTx indicates the number of The number of Disconnect-NAK messages sent by the PGW/GGSN.
pdnRadStatDiscReqRx [Pdn Rad Stat Disc Req Rx] (tmnxMobPdnRadStatDiscReqRx)	long	The value of tmnxMobPdnRadStatDiscReqRx indicates the number of Disconnect-Request messages received by the PGW/GGSN.
pdnRadStatDiscSessNotFnd [Pdn Rad Stat Disc Sess Not Fnd] (tmnxMobPdnRadStatDiscSessNotFnd)	long	The value of tmnxMobPdnRadStatDiscSessNotFnd indicates the number of inactive sessions found by Disconnect-Request messages.
pdnRadStatDiscUnexpcCode [Pdn Rad Stat Disc Unexpc Code] (tmnxMobPdnRadStatDiscUnexpcCode)	long	The value of tmnxMobPdnRadStatDiscUnexpcCode indicates the number of unexpected messages recieved by the PGW/GGSN for Disconnect Requests.
pdnRadStatDiscUnsupprAttr [Pdn Rad Stat Disc Unsuppr Attr] (tmnxMobPdnRadStatDiscUnsupprAttr)	long	The value of tmnxMobPdnRadStatDiscUnsupprAttr indicates the number of Disconnect-Request messages with an unrecognized/unsupported attribute.
pdnRadStatLastChanged [Pdn Rad Stat Last Changed] (tmnxMobPdnRadStatLastChanged)	long	The value of tmnxMobPdnRadStatLastChanged indicates the timestamp of the last change to this row in tmnxMobPdnRadStatTable.
pdnRadStatMandAttrErrors [Pdn Rad Stat Mand Attr Errors] (tmnxMobPdnRadStatMandAttrErrors)	long	The value of tmnxMobPdnRadStatMandAttrErrors indicates the number of Access-Accept messages contains an invalid or errored mandatory attribute.

Table 550 Iteradius statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnRadStatMandAttrMissing [Pdn Rad Stat Mand Attr Missing] (tmnxMobPdnRadStatMandAttrMissing)	long	The value of tmnxMobPdnRadStatMandAttrMissing indicates the number of Access-Accept messages with missing mandatory attribute. When the Access-Request is intended for IP address allocation, the response must contain a Framed-IP-Address, Framed-Pool, Framed-IPv6-Prefix or Framed-IPv6-Pool. When the Access-Request is used for pre-authentication, the Timetra-APN-Name attribute should be considered mandatory.
pdnRadStatMsgFinalTimeout [Pdn Rad Stat Msg Final Timeout] (tmnxMobPdnRadStatMsgFinalTimeout)	long	The value of tmnxMobPdnRadStatMsgFinalTimeout indicates the number of times when PGW/GGSN has exhausted its attempts to deliver this message.
pdnRadStatOptionalAttrErr [Pdn Rad Stat Optional Attr Err] (tmnxMobPdnRadStatOptionalAttrErr)	long	The value of tmnxMobPdnRadStatOptionalAttrErr indicates the number of Access-Accept messages contains an invalid or errored optional attribute.
pdnRadStatPrFinalTimeout [Pdn Rad Stat Pr Final Timeout] (tmnxMobPdnRadStatPrFinalTimeout)	long	The value of tmnxMobPdnRadStatPrFinalTimeout indicates the number of times when PGW/GGSN has exhausted retries and timeouts for Access-Request or Accounting-Request.
pdnRadStatRespTime1to4 [Pdn Rad Stat Resp Time 1 to 4] (tmnxMobPdnRadStatRespTime1to4)	long	The value of tmnxMobPdnRadStatRespTime1to4 indicates the number of Access-Request/Access-Response messages received between 1 and 4 seconds after the Access-Request/Accounting-Request was generated.
pdnRadStatRespTimeAbove4 [Pdn Rad Stat Resp Time Above 4] (tmnxMobPdnRadStatRespTimeAbove4)	long	The value of tmnxMobPdnRadStatRespTimeAbove4 indicates the number of Access-Request/Access-Response messages received in more than 4 seconds after the Access-Request/Accounting-Request was generated. This should include messages received after the configured retry-timeout.
pdnRadStatRespTimeBelow1 [Pdn Rad Stat Resp Time Below 1] (tmnxMobPdnRadStatRespTimeBelow1)	long	The value of tmnxMobPdnRadStatRespTimeBelow1 indicates the number of Access-Request/Access-Response messages received in less than 1 second after the Access-Request/Accounting-Request was generated.

Table 550 Iteradius statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnRadStatRetries [Pdn Rad Stat Retries] (tmnxMobPdnRadStatRetries)	long	The value of tmnxMobPdnRadStatRetries indicates the number of retries done to send a RADIUS message. This counter covers all RADIUS message types the PGW/GGSN is sending.
pdnRadStatUnexpectedCode [Pdn Rad Stat Unexpected Code] (tmnxMobPdnRadStatUnexpectedCode)	long	The value of tmnxMobPdnRadStatUnexpectedCode indicates the number of unexpected messages recieved by the PGW/GGSN. The unexpected messages can be such as an Access-Request, Accounting-Request or any response for a request that it did not send or it received for the RADIUS code that is not supported.
pdnRadStatUnsupportedAttr [Pdn Rad Stat Unsupported Attr] (tmnxMobPdnRadStatUnsupportedAttr)	long	The value of tmnxMobPdnRadStatUnsupportedAttr indicates the number of Access-Accept messages contains an unrecognized/unsupported attribute.
radiusGroupProfileName [Radius Group Profile Name] (tmnxMobProfRadGrpName)	String	The value of tmnxMobProfRadGrpName specifies the unique name of this radius group.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 551 Itessg statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdCauseCodeStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itessg.SdPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
rxCcaAuthorReject [Rx Cca Author Reject] (tmnxMobPdnSdCcRxCcaAuthorReject)	long	The value of tmnxMobPdnSdCcRxCcaAuthorReject indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCcaAvpNotAllowed [Rx Cca Avp Not Allowed] (tmnxMobPdnSdCcRxCcaAvpNotAllowed)	long	The value of tmnxMobPdnSdCcRxCcaAvpNotAllowed indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
rxCcaAvpUnsupport [Rx Cca Avp Unsupport] (tmnxMobPdnSdCcRxCcaAvpUnsupport)	long	The value of tmnxMobPdnSdCcRxCcaAvpUnsupport indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
rxCcaBearerNotAuth [Rx Cca Bearer Not Auth] (tmnxMobPdnSdCcRxCcaBearerNotAuth)	long	The value of tmnxMobPdnSdCcRxCcaBearerNotAuth indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_BEARER_NOT_AUTHORIZED (5143).
rxCcaConflictReq [Rx Cca Conflict Req] (tmnxMobPdnSdCcRxCcaConflictReq)	long	The value of tmnxMobPdnSdCcRxCcaConflictReq indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_CONFLICTING_REQUEST (5147).
rxCcaInitialParams [Rx Cca Initial Params] (tmnxMobPdnSdCcRxCcaInitialParams)	long	The value of tmnxMobPdnSdCcRxCcaInitialParams indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_INITIAL_PARAMETER (5140).
rxCcaInvalidAvpVal [Rx Cca Invalid Avp Val] (tmnxMobPdnSdCcRxCcaInvalidAvpVal)	long	The value of tmnxMobPdnSdCcRxCcaInvalidAvpVal indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
rxCcaMissingAvp [Rx Cca Missing Avp] (tmnxMobPdnSdCcRxCcaMissingAvp)	long	The value of tmnxMobPdnSdCcRxCcaMissingAvp indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).
rxCcaOther3XXX [Rx Cca Other 3 XXX] (tmnxMobPdnSdCcRxCcaOther3XXX)	long	The value of tmnxMobPdnSdCcRxCcaOther3XXX indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to other protocol errors.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCcaOther4XXX [Rx Cca Other 4 XXX] (tmnxMobPdnSdCcRxCcaOther4XXX)	long	The value of tmnxMobPdnSdCcRxCcaOther4XXX indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to other transient failures.
rxCcaOther5XXX [Rx Cca Other 5 XXX] (tmnxMobPdnSdCcRxCcaOther5XXX)	long	The value of tmnxMobPdnSdCcRxCcaOther5XXX indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to other permanent failures.
rxCcaPccBearEvent [Rx Cca Pcc Bear Event] (tmnxMobPdnSdCcRxCcaPccBearEvent)	long	The value of tmnxMobPdnSdCcRxCcaPccBearEvent indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_PCC_BEARER_EVENT (4141).
rxCcaPccRuleEvent [Rx Cca Pcc Rule Event] (tmnxMobPdnSdCcRxCcaPccRuleEvent)	long	The value of tmnxMobPdnSdCcRxCcaPccRuleEvent indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_PCC_RULE_EVENT (5142).
rxCcaPendingTrans [Rx Cca Pending Trans] (tmnxMobPdnSdCcRxCcaPendingTrans)	long	The value of tmnxMobPdnSdCcRxCcaPendingTrans indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_PENDING-TRANSACTION (4144).
rxCcaResourceExced [Rx Cca Resource Exced] (tmnxMobPdnSdCcRxCcaResourceExced)	long	The value of tmnxMobPdnSdCcRxCcaResourceExced indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).
rxCcaTooBusy [Rx Cca Too Busy] (tmnxMobPdnSdCcRxCcaTooBusy)	long	The value of tmnxMobPdnSdCcRxCcaTooBusy indicates the number of the Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).
rxCcaTrafficMapRej [Rx Cca Traffic Map Rej] (tmnxMobPdnSdCcRxCcaTrafficMapRej)	long	The value of tmnxMobPdnSdCcRxCcaTrafficMapRej indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTED (5144).

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCcaTriggerEvent [Rx Cca Trigger Event] (tmnxMobPdnSdCcRxCcaTriggerEvent)	long	The value of tmnxMobPdnSdCcRxCcaTriggerEvent indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_ERROR_TRIGGER_EVENT (5141).
rxCcaUnableToDeliv [Rx Cca Unable To Deliv] (tmnxMobPdnSdCcRxCcaUnableToDeliv)	long	The value of tmnxMobPdnSdCcRxCcaUnableToDeliv indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
rxCcaUnknownSessId [Rx Cca Unknown Sess Id] (tmnxMobPdnSdCcRxCcaUnknownSessId)	long	The value of tmnxMobPdnSdCcRxCcaUnknownSessId indicates the number of Credit Control Answer (CCA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
txRTsaAvpNotAllowedd [Tx RTsa Avp Not Allowed] (tmnxMobPdnSdCcTxRTsaAvpNotAllowedd)	long	The value of tmnxMobPdnSdCcTxRTsaAvpUnsupport indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
txRTsaAvpUnsupport [Tx RTsa Avp Unsupport] (tmnxMobPdnSdCcTxRTsaAvpUnsupport)	long	The value of tmnxMobPdnSdCcTxRTsaAvpUnsupport indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
txRTsaFeatreUnsupp [Tx RTsa Featre Unsupp] (tmnxMobPdnSdCcTxRTsaFeatreUnsupp)	long	The value of tmnxMobPdnSdCcTxRTsaFeatreUnsupp indicates the number of Redirected TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_UNSUPPORTED_VERSION (5011).
txRTsaInvalidAvpVal [Tx RTsa Invalid Avp Val] (tmnxMobPdnSdCcTxRTsaInvalidAvpVal)	long	The value of tmnxMobPdnSdCcTxRTsaInvalidAvpVal indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
txRTsaOther3XXX [Tx RTsa Other 3 XXX] (tmnxMobPdnSdCcTxRTsaOther3XXX)	long	The value of tmnxMobPdnSdCcTxRTsaOther3XXX indicates the number of the Redirected TDF session acknowledge (TSA) messages received on this peer with cause code set to other protocol errors.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRTsaOther4XXX [Tx RTsa Other 4 XXX] (tmnxMobPdnSdCcTxRTsaOther4XXX)	long	The value of tmnxMobPdnSdCcTxRTsaOther4XXX indicates the number of the Redirected TDF session acknowledge (TSA) messages received on this peer with cause code set to other transient failures.
txRTsaOther5XXX [Tx RTsa Other 5 XXX] (tmnxMobPdnSdCcTxRTsaOther5XXX)	long	The value of tmnxMobPdnSdCcTxRTsaOther5XXX indicates the number of the Redirected TDF session acknowledge (TSA) messages received on this peer with cause code set to other permanent failures.
txRTsaOutOfSpace [Tx RTsa Out Of Space] (tmnxMobPdnSdCcTxRTsaOutOfSpace)	long	The value of tmnxMobPdnSdCcTxRTsaOutOfSpace indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_OUT_OF_SPACE (4002).
txRTsaPccRuleEvent [Tx RTsa Pcc Rule Event] (tmnxMobPdnSdCcTxRTsaPccRuleEvent)	long	The value of tmnxMobPdnSdCcTxRTsaPccRuleEvent indicates the number of Redirected TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_PCC_RULE_EVENT (5142).
txRTsaRealmNoServe [Tx RTsa Realm No Serve] (tmnxMobPdnSdCcTxRTsaRealmNoServe)	long	The value of tmnxMobPdnSdCcTxRTsaRealmNoServe indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_REALM_NOT_SERVED (3003).
txRTsaUnablToCompl [Tx RTsa Unabl To Compl] (tmnxMobPdnSdCcTxRTsaUnablToCompl)	long	The value of tmnxMobPdnSdCcTxRTsaUnablToCompl indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
txRTsaUnablToDeliv [Tx RTsa Unabl To Deliv] (tmnxMobPdnSdCcTxRTsaUnablToDeliv)	long	The value of tmnxMobPdnSdCcTxRTsaUnablToDeliv indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
txRTsaUnknSessId [Tx RTsa Unkn Sess Id] (tmnxMobPdnSdCcTxRTsaUnknSessId)	long	The value of tmnxMobPdnSdCcTxRTsaUnknSessId indicates the number of Redirected TDF session acknowledge (R-TSA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRaaAvpNotAllowed [Tx Raa Avp Not Allowed] (tmnxMobPdnSdCcTxRaaAvpNotAllowed)	long	The value of tmnxMobPdnSdCcTxRaaAvpNotAllowed indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
txRaaAvpUnsupport [Tx Raa Avp Unsupport] (tmnxMobPdnSdCcTxRaaAvpUnsupport)	long	The value of tmnxMobPdnSdCcTxRaaAvpUnsupport indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
txRaaOther3XXX [Tx Raa Other 3 XXX] (tmnxMobPdnSdCcTxRaaOther3XXX)	long	The value of tmnxMobPdnSdCcTxRaaOther3XXX indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with cause code set to other protocol errors.
txRaaOther4XXX [Tx Raa Other 4 XXX] (tmnxMobPdnSdCcTxRaaOther4XXX)	long	The value of tmnxMobPdnSdCcTxRaaOther4XXX indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with cause code set to other transient failures.
txRaaOther5XXX [Tx Raa Other 5 XXX] (tmnxMobPdnSdCcTxRaaOther5XXX)	long	The value of tmnxMobPdnSdCcTxRaaOther5XXX indicates the number of the Re-Auth-Answer (Raa) messages received on this peer with cause code set to other permanent failures.
txRaaPccRuleEvent [Tx Raa Pcc Rule Event] (tmnxMobPdnSdCcTxRaaPccRuleEvent)	long	The value of tmnxMobPdnSdCcTxRaaPccRuleEvent indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_PCC_RULE_EVENT (5142).
txRaaPendingTrans [Tx Raa Pending Trans] (tmnxMobPdnSdCcTxRaaPendingTrans)	long	The value of tmnxMobPdnSdCcTxRaaPendingTrans indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_PENDING-TRANSACTION (4144).
txRaaRealmNoServed [Tx Raa Realm No Served] (tmnxMobPdnSdCcTxRaaRealmNoServed)	long	The value of tmnxMobPdnSdCcTxRaaRealmNoServed indicates the number of Re-Auth-Answer (RAA) messages received on this peer with cause code set to DIAMETER_REALM_NOT_SERVED (3003).

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRaaUnableToCompl [Tx Raa Unable To Compl] (tmnxMobPdnSdCcTxRaaUnableToCompl)	long	The value of tmnxMobPdnSdCcTxRaaUnableToCompl indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
txRaaUnableToDeliv [Tx Raa Unable To Deliv] (tmnxMobPdnSdCcTxRaaUnableToDeliv)	long	The value of tmnxMobPdnSdCcTxRaaUnableToDeliv indicates the number of Re-Auth-Answer (RAA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
txRaaUnknownSessId [Tx Raa Unknown Sess Id] (tmnxMobPdnSdCcTxRaaUnknownSessId)	long	The value of tmnxMobPdnSdCcTxRaaUnknownSessId indicates the number of the Re-Auth-Answer (RAA) messages received on this peer with the experimental cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
txTsaAvpNotAllowed [Tx Tsa Avp Not Allowed] (tmnxMobPdnSdCcTxTsaAvpNotAllowed)	long	The value of tmnxMobPdnSdCcTxTsaAvpNotAllowed indicates the number of the TDF session acknowledge (TSA) messages received on this peer with the experimental cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
txTsaAvpUnsupport [Tx Tsa Avp Unsupport] (tmnxMobPdnSdCcTxTsaAvpUnsupport)	long	The value of tmnxMobPdnSdCcTxTsaAvpUnsupport indicates the number of the TDF session acknowledge (TSA) messages received on this peer with the experimental cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
txTsaFeatureUnsupp [Tx Tsa Feature Unsupp] (tmnxMobPdnSdCcTxTsaFeatureUnsupp)	long	The value of tmnxMobPdnSdCcTxTsaFeatureUnsupp indicates the number of TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_UNSUPPORTED_VERSION (5011).
txTsaInvalidAvpVal [Tx Tsa Invalid Avp Val] (tmnxMobPdnSdCcTxTsaInvalidAvpVal)	long	The value of tmnxMobPdnSdCcTxTsaInvalidAvpVal indicates the number of TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
txTsaOther3XXX [Tx Tsa Other 3 XXX] (tmnxMobPdnSdCcTxTsaOther3XXX)	long	The value of tmnxMobPdnSdCcTxTsaOther3XXX indicates the number of the TDF session acknowledge (TSA) messages received on this peer with cause code set to other protocol errors.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txTsaOther4XXX [Tx Tsa Other 4 XXX] (tmnxMobPdnSdCcTxTsaOther4XXX)	long	The value of tmnxMobPdnSdCcTxTsaOther4XXX indicates the number of the TDF session acknowledge (TSA) messages received on this peer with cause code set to other transient failures.
txTsaOther5XXX [Tx Tsa Other 5 XXX] (tmnxMobPdnSdCcTxTsaOther5XXX)	long	The value of tmnxMobPdnSdCcTxTsaOther5XXX indicates the number of the TDF session acknowledge (TSA) messages received on this peer with cause code set to other permanent failures.
txTsaOutOfSpace [Tx Tsa Out Of Space] (tmnxMobPdnSdCcTxTsaOutOfSpace)	long	The value of tmnxMobPdnSdCcTxTsaOutOfSpace indicates the number of TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_OUT_OF_SPACE (4002).
txTsaPccRuleEvent [Tx Tsa Pcc Rule Event] (tmnxMobPdnSdCcTxTsaPccRuleEvent)	long	The value of tmnxMobPdnSdCcTxTsaPccRuleEvent indicates the number of the TDF session acknowledge (TSA) messages received on this peer with the experimental cause code set to DIAMETER_PCC_RULE_EVENT (5142).
txTsaRealmNoServed [Tx Tsa Realm No Served] (tmnxMobPdnSdCcTxTsaRealmNoServed)	long	The value of tmnxMobPdnSdCcTxTsaRealmNoServed indicates the number of TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_REALM_NOT_SERVED (3003).
txTsaUnableToCompl [Tx Tsa Unable To Compl] (tmnxMobPdnSdCcTxTsaUnableToCompl)	long	The value of tmnxMobPdnSdCcTxTsaUnableToCompl indicates the number of the TDF session acknowledge (TSA) messages received on this peer with the experimental cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
txTsaUnableToDeliv [Tx Tsa Unable To Deliv] (tmnxMobPdnSdCcTxTsaUnableToDeliv)	long	The value of tmnxMobPdnSdCcTxTsaUnableToDeliv indicates the number of TDF session acknowledge (TSA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
txTsaUnknownSessId [Tx Tsa Unknown Sess Id] (tmnxMobPdnSdCcTxTsaUnknownSessId)	long	The value of tmnxMobPdnSdCcTxTsaUnknownSessId indicates the number of the TDF session acknowledge (TSA) messages received on this peer with the experimental cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>SdPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itessg.SdPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
ccatUnknSessPkts [Ccat Unkn Sess Pkts] (tmnxMobPdnSdStatCcatUnknSessPkts)	long	The value of tmnxMobPdnSdStatCcatUnknSessPkts indicates the number of Credit Control Answer Terminate (CCA-T) unknown session packets received from this peer.
ccauUnknSessPkts [Ccau Unkn Sess Pkts] (tmnxMobPdnSdStatCcauUnknSessPkts)	long	The value of tmnxMobPdnSdStatCcauUnknSessPkts indicates the number of Credit Control Answer Update (CCA-U) unknown session packets received from this peer.
ccrTermFail [Ccr Term Fail] (tmnxMobPdnSdStatCcrTermFail)	long	The value of tmnxMobPdnSdStatCcrTermFail indicates the number of Credit Control Request (CCR) termination message requests failed.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ccrUPendTranReTx [Ccr UPend Tran Re Tx] (tmnxMobPdnSdStatCcrUPendTranReTx)	long	The value of tmnxMobPdnSdStatCcrUPendTranReTx indicates the number of the retires for the pending transactions of Credit Control Request (CCR) Update messages to this peer.
ccrUpdtFail [Ccr Updt Fail] (tmnxMobPdnSdStatCcrUpdtFail)	long	The value of tmnxMobPdnSdStatCcrUpdtFail indicates the number of Credit Control Request (CCR) update message requests failed.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
connAttempts [Conn Attempts] (tmnxMobPdnSdStatConnAttempts)	long	The value of tmnxMobPdnSdStatConnAttempts indicates the number of connections attempted to this peer.
connFailures [Conn Failures] (tmnxMobPdnSdStatConnFailures)	long	The value of tmnxMobPdnSdStatConnFailures indicates the number of failed connections with this peer.
currCgCcrTMsg [Curr Cg Ccr TMsg] (tmnxMobPdnSdStatCurrCgCcrTMsg)	long	The value of tmnxMobPdnSdStatCurrCgCcrTMsg indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the current congestion.
currCgCcrUMsg [Curr Cg Ccr UMsg] (tmnxMobPdnSdStatCurrCgCcrUMsg)	long	The value of tmnxMobPdnSdStatCurrCgCcrUMsg indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the current congestion.
currCgPendMsg [Curr Cg Pend Msg] (tmnxMobPdnSdStatCurrCgPendMsg)	long	The value of tmnxMobPdnSdStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currCgRaaMsg [Curr Cg Raa Msg] (tmnxMobPdnSdStatCurrCgRaaMsg)	long	The value of tmnxMobPdnSdStatCurrCgRaaMsg indicates the number of Re-authorization Answer (RAA) messages to this peer dropped during the current congestion.
currCgTsaMsg [Curr Cg Tsa Msg] (tmnxMobPdnSdStatCurrCgTsaMsg)	long	The value of tmnxMobPdnSdStatCurrCgTsaMsg indicates the number of TDF session acknowledge (TSA) messages to this peer dropped during the current congestion.
epclId [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
eventTriggers [Event Triggers] (tmnxMobPdnSdStatEventTriggers)	long	The value of tmnxMobPdnSdStatEventTriggers indicates the number of event triggers received from this peer.
intRxTsrMsg [Int Rx Tsr Msg] (tmnxMobPdnSdStatIntRxTsrMsg)	long	The value of tmnxMobPdnSdStatIntRxTsrMsg indicates the number of internal TDF session request (TSR) messages received from this peer.
intTxTsaMsg [Int Tx Tsa Msg] (tmnxMobPdnSdStatIntTxTsaMsg)	long	The value of tmnxMobPdnSdStatIntTxTsaMsg indicates the number of internal TDF session acknowledge (TSA) messages sent to this peer.
invPriOcsAddrRx [Inv Pri Ocs Addr Rx] (tmnxMobPdnSdStatInvPriOcsAddrRx)	long	The Value of tmnxMobPdnSdStatInvPriOcsAddrRx indicates the number of invalid primary Online Charging System (OCS) addresses received.
invSecOcsAddrRx [Inv Sec Ocs Addr Rx] (tmnxMobPdnSdStatInvSecOcsAddrRx)	long	The Value of tmnxMobPdnSdStatInvSecOcsAddrRx indicates the number of invalid secondary Online Charging System (OCS) addresses received.
peerIpAddress [Peer Ip Address] (tmnxMobPdnSdPeerAddress)	String	The value of tmnxMobPdnSdPeerAddress indicates the IP address of the peer on Sd reference point.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnSdPeerAddressType)	int	The value of tmnxMobPdnSdPeerAddressType indicates the type of address represented by tmnxMobPdnSdPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobPdnSdPeerPort)	int	The value of tmnxMobPdnSdPeerPort indicates the port number of this peer.
prevCgCcrTMsg [Prev Cg Ccr TMsg] (tmnxMobPdnSdStatPrevCgCcrTMsg)	long	The value of tmnxMobPdnSdStatPrevCgCcrTMsg indicates the number of Credit Control Request (CCR) Termination messages to this peer dropped during the prior congestion.
prevCgCcrUMsg [Prev Cg Ccr UMsg] (tmnxMobPdnSdStatPrevCgCcrUMsg)	long	The value of tmnxMobPdnSdStatPrevCgCcrUMsg indicates the number of Credit Control Request (CCR) Update messages to this peer dropped during the prior congestion.
prevCgRaaMsg [Prev Cg Raa Msg] (tmnxMobPdnSdStatPrevCgRaaMsg)	long	The value of tmnxMobPdnSdStatPrevCgRaaMsg indicates the number of Re-authorization Answer (RAA) messages to this peer dropped during the prior congestion.
prevCgTsaMsg [Prev Cg Tsa Msg] (tmnxMobPdnSdStatPrevCgTsaMsg)	long	The value of tmnxMobPdnSdStatPrevCgTsaMsg indicates the number of TDF session acknowledge (TSA) messages to this peer dropped during the prior congestion.
priOcsAddrRx [Pri Ocs Addr Rx] (tmnxMobPdnSdStatPriOcsAddrRx)	long	The Value of tmnxMobPdnSdStatPriOcsAddrRx indicates the number of primary Online Charging System (OCS) addresses received.
rarUnknSessPkts [Rar Unkn Sess Pkts] (tmnxMobPdnSdStatRarUnknSessPkts)	long	The value of tmnxMobPdnSdStatCcatUnknSessPkts indicates the number of Re-Auth Request (RAR) unknown session packets received from this peer.
reTxCcrTerminate [Re Tx Ccr Terminate] (tmnxMobPdnSdStatReTxCcrTerminate)	long	The value of tmnxMobPdnSdStatReTxCcrTerminate indicates the number of Credit Control Request (CCR) Termination messages re-transmitted to this peer.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reTxCcrUpdate [Re Tx Ccr Update] (tmnxMobPdnSdStatReTxCcrUpdate)	long	The value of tmnxMobPdnSdStatReTxCcrUpdate indicates the number of Credit Control Request (CCR) Update messages re-transmitted to this peer.
rtsrUnknSessPkts [Rtsr Unkn Sess Pkts] (tmnxMobPdnSdStatRtsrUnknSessPkts)	long	The value of tmnxMobPdnSdStatRtsrUnknSessPkts indicates the number of Redirect TDF session request (R-TSR) unknown session packets received from this peer.
rxAvpMissPkts [Rx Avp Miss Pkts] (tmnxMobPdnSdStatRxAvpMissPkts)	long	The value of tmnxMobPdnSdStatRxAvpMissPkts indicates the number of missing Attribute Value Pair (AVP) packets received.
rxCcaTermFail [Rx Cca Term Fail] (tmnxMobPdnSdStatRxCcaTermFail)	long	The value of tmnxMobPdnSdStatRxCcaTermFail indicates the number of Credit Control Answer (CCA) Terminate message failures received from this peer.
rxCcaTermMalFpkt [Rx Cca Term MalFpkt] (tmnxMobPdnSdStatRxCcaTermMalFpkt)	long	The value of tmnxMobPdnSdStatRxCcaTermMalFpkt indicates the number of Credit Control Answer (CCA) Termination malformed packets received from this peer.
rxCcaTermUnknPkt [Rx Cca Term Unkn Pkt] (tmnxMobPdnSdStatRxCcaTermUnknPkt)	long	The value of tmnxMobPdnSdStatRxCcaTermUnknPkt indicates the number of Credit Control Answer (CCA) Termination unknown host packets received from this peer.
rxCcaTerminate [Rx Cca Terminate] (tmnxMobPdnSdStatRxCcaTerminate)	long	The value of tmnxMobPdnSdStatRxCcaTerminate indicates the number of Credit Control Request (CCR) Terminate messages received from this peer.
rxCcaUpdate [Rx Cca Update] (tmnxMobPdnSdStatRxCcaUpdate)	long	The value of tmnxMobPdnSdStatRxCcaUpdate indicates the number of Credit Control Answer (CCA) Update messages received from this peer.
rxCcaUpdtFail [Rx Cca Updt Fail] (tmnxMobPdnSdStatRxCcaUpdtFail)	long	The value of tmnxMobPdnSdStatRxCcaUpdtFail indicates the number of Credit Control Answer (CCA) Update message failures received from this peer.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCcaUpdtMalFPkt [Rx Cca Updt Malf Pkt] (tmnxMobPdnSdStatRxCcaUpdtMalFPkt)	long	The value of tmnxMobPdnSdStatRxCcaUpdtMalFPkt indicates the number of Credit Control Answer (CCA) Update malformed packets received from this peer.
rxCcaUpdtUnknPkt [Rx Cca Updt Unkn Pkt] (tmnxMobPdnSdStatRxCcaUpdtUnknPkt)	long	The value of tmnxMobPdnSdStatRxCcaUpdtUnknPkt indicates the number of Credit Control Answer (CCA) Tterm unknown host packets received from this peer.
rxCcatMissAvpPkt [Rx Ccat Miss Avp Pkt] (tmnxMobPdnSdStatRxCcatMissAvpPkt)	long	The value of tmnxMobPdnSdStatRxCcatMissAvpPkt indicates the number of missing Attribute Value Pair (AVP) packets received for Credit Control Answer Termination (CCA-T) message.
rxCcauMissAvpPkt [Rx Ccau Miss Avp Pkt] (tmnxMobPdnSdStatRxCcauMissAvpPkt)	long	The value of tmnxMobPdnSdStatRxCcauMissAvpPkt indicates the number of missing Attribute Value Pair (AVP) packets received for Credit Control Answer Update (CCA-U) message.
rxCea [Rx Cea] (tmnxMobPdnSdStatRxCea)	long	The value of tmnxMobPdnSdStatRxCea indicates the number of Capabilities Exchange Answer (CEA) messages received from this peer.
rxDpa [Rx Dpa] (tmnxMobPdnSdStatRxDpa)	long	The value of tmnxMobPdnSdStatRxDpa indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.
rxDpr [Rx Dpr] (tmnxMobPdnSdStatRxDpr)	long	The value of tmnxMobPdnSdStatRxDpr indicates the number of Disconnect Peer Request (DPR) messages received from this peer.
rxDwa [Rx Dwa] (tmnxMobPdnSdStatRxDwa)	long	The value of tmnxMobPdnSdStatRxDwa indicates the number of Device Watchdog Answer (DWA) messages received from this peer.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxDwr [Rx Dwr] (tmnxMobPdnSdStatRxDwr)	long	The value of tmnxMobPdnSdStatRxDwr indicates the number of Device Watchdog Request (DWR) messages received from this peer.
rxInvalidCea [Rx Invalid Cea] (tmnxMobPdnSdStatRxInvalidCea)	long	The value of tmnxMobPdnSdStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
rxMalformedPkts [Rx Malformed Pkts] (tmnxMobPdnSdStatRxMalformedPkts)	long	The value of tmnxMobPdnSdStatRxMalformedPkts indicates the number of malformed packets received from this peer.
rxMsgTooBig [Rx Msg Too Big] (tmnxMobPdnSdStatRxMsgTooBig)	long	The value of tmnxMobPdnSdStatRxMsgTooBig indicates the number of oversize messages received from this peer.
rxMsgTooSmall [Rx Msg Too Small] (tmnxMobPdnSdStatRxMsgTooSmall)	long	The value of tmnxMobPdnSdStatRxMsgTooSmall indicates the number of small messages received from this peer.
rxMsgUnexpectVer [Rx Msg Unexpect Ver] (tmnxMobPdnSdStatRxMsgUnexpectVer)	long	The value of tmnxMobPdnSdStatRxMsgUnexpectVer indicates the number of unexpected version messages received from this peer.
rxMsgs [Rx Msgs] (tmnxMobPdnSdStatRxMsgs)	long	The value of tmnxMobPdnSdStatRxMsgs indicates the total number of messages received from this peer.
rxRar [Rx Rar] (tmnxMobPdnSdStatRxRar)	long	The value of tmnxMobPdnSdStatRxRar indicates the number of Re-Auth Request (RAR) messages received from this peer.
rxRarAvpMissPkts [Rx Rar Avp Miss Pkts] (tmnxMobPdnSdStatRxRarAvpMissPkts)	long	The value of tmnxMobPdnSdStatRxRarAvpMissPkts indicates the number of missing Attribute Value Pair (AVP) packets received for Re-Auth Request (RAR) message.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRarMalFPkts [Rx Rar Malf Pkts] (tmnxMobPdnSdStatRxRarMalFPkts)	long	The value of tmnxMobPdnSdStatRxRarMalFPkts indicates the number of Re-Auth Request (RAR) malformed packets received from this peer.
rxRarRelSess [Rx Rar Rel Sess] (tmnxMobPdnSdStatRxRarRelSess)	long	The value of tmnxMobPdnSdStatRxRarRelSess indicates the number of Re-Auth Request (RAR) Release Session messages received from this peer.
rxRarUnknHostPkt [Rx Rar Unkn Host Pkt] (tmnxMobPdnSdStatRxRarUnknHostPkt)	long	The value of tmnxMobPdnSdStatRxRarUnknHostPkt indicates the number of Re-Auth Request (RAR) Update unknown host packets received from this peer.
rxRtsr [Rx Rtsr] (tmnxMobPdnSdStatRxRtsr)	long	The value of tmnxMobPdnSdStatRxRtsr indicates the number of Redirect TDF session request (R-TSR) messages received from this peer.
rxRtsrAvpMissPkt [Rx Rtsr Avp Miss Pkt] (tmnxMobPdnSdStatRxRtsrAvpMissPkt)	long	The value of tmnxMobPdnSdStatRxRtsrAvpMissPkt indicates the number of missing Attribute Value Pair (AVP) packets received for Redirect TDF session request (R-TSR) message.
rxRtsrMalFPkts [Rx Rtsr Malf Pkts] (tmnxMobPdnSdStatRxRtsrMalFPkts)	long	The value of tmnxMobPdnSdStatRxRtsrMalFPkts indicates the number of Redirect TDF session request (R-TSR) malformed packets received from this peer.
rxRtsrUnkHstPk [Rx Rtsr Unk Hst Pk] (tmnxMobPdnSdStatRxRtsrUnkHstPk)	long	The value of tmnxMobPdnSdStatRxRtsrUnkHstPk indicates the number of Redirect TDF session request (R-TSR) unknown host packets received from this peer.
rxRtsrUnknPkts [Rx Rtsr Unkn Pkts] (tmnxMobPdnSdStatRxRtsrUnknPkts)	long	The value of tmnxMobPdnSdStatRxRtsrUnknPkts indicates the number of Redirect TDF session request (R-TSR) unknown packets received from this peer.
rxTransportDisc [Rx Transport Disc] (tmnxMobPdnSdStatRxTransportDisc)	long	The value of tmnxMobPdnSdStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTsrAvpMissPkts [Rx Tsr Avp Miss Pkts] (tmnxMobPdnSdStatRxTsrAvpMissPkts)	long	The value of tmnxMobPdnSdStatRxTsrAvpMissPkts indicates the number of missing Attribute Value Pair (AVP) packets received for Redirect TDF session request (R-TSR) message.
rxTsrMalfrmdPkts [Rx Tsr Malfrmd Pkts] (tmnxMobPdnSdStatRxTsrMalfrmdPkts)	long	The value of tmnxMobPdnSdStatRxTsrMalfrmdPkts indicates the number of TDF session request (TSR) malformed packets received from this peer.
rxTsrMsg [Rx Tsr Msg] (tmnxMobPdnSdStatRxTsrMsg)	long	The value of tmnxMobPdnSdStatRxTsrMsg indicates the number of TDF session request (TSR) messages received from this peer.
rxTsrUnknHostPkt [Rx Tsr Unkn Host Pkt] (tmnxMobPdnSdStatRxTsrUnknHostPkt)	long	The value of tmnxMobPdnSdStatRxTsrUnknHostPkt indicates the number of TDF session request (TSR) unknown host packets received from this peer.
rxUnknownPkts [Rx Unknown Pkts] (tmnxMobPdnSdStatRxUnknownPkts)	long	The value of tmnxMobPdnSdStatRxUnknownPkts indicates the number of unknown packets received from this peer.
secOcsAddrRx [Sec Ocs Addr Rx] (tmnxMobPdnSdStatSecOcsAddrRx)	long	The Value of tmnxMobPdnSdStatSecOcsAddrRx indicates the number of secondary Online Charging System (OCS) addresses received.
tsrDiscarded [Tsr Discarded] (tmnxMobPdnSdStatTsrDiscarded)	long	The value of tmnxMobPdnSdStatTsrDiscarded indicates the number of TDF session request (TSR) messages that are discarded because of reattach.
txCcrTerminate [Tx Ccr Terminate] (tmnxMobPdnSdStatTxCcrTerminate)	long	The value of tmnxMobPdnSdStatTxCcrTerminate indicates the number of Credit Control Request (CCR) Terminate messages transmitted to this peer.
txCcrUpdate [Tx Ccr Update] (tmnxMobPdnSdStatTxCcrUpdate)	long	The value of tmnxMobPdnSdStatTxCcrUpdate indicates the number of Credit Control Request (CCR) Update messages transmitted to this peer.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCer [Tx Cer] (tmnxMobPdnSdStatTxCer)	long	The value of tmnxMobPdnSdStatTxCer indicates the number of Capabilities Exchange Request (CER) messages transmitted to this peer.
txDpa [Tx Dpa] (tmnxMobPdnSdStatTxDpa)	long	The value of tmnxMobPdnSdStatTxDpa indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
txDpr [Tx Dpr] (tmnxMobPdnSdStatTxDpr)	long	The value of tmnxMobPdnSdStatTxDpr indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
txDwa [Tx Dwa] (tmnxMobPdnSdStatTxDwa)	long	The value of tmnxMobPdnSdStatTxDwa indicates the number of Device Watchdog Answer (DWA) messages received from this peer.
txDwr [Tx Dwr] (tmnxMobPdnSdStatTxDwr)	long	The value of tmnxMobPdnSdStatTxDwr indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.
txMsgs [Tx Msgs] (tmnxMobPdnSdStatTxMsgs)	long	The value of tmnxMobPdnSdStatTxMsgs indicates the total number of messages transmitted to this peer.
txRaa [Tx Raa] (tmnxMobPdnSdStatTxRaa)	long	The value of tmnxMobPdnSdStatRxRar indicates the number of Re-Auth Answer (RAR) messages transmitted to this peer.
txRaaNack [Tx Raa Nack] (tmnxMobPdnSdStatTxRaaNack)	long	The value of tmnxMobPdnSdStatTxRaaNack indicates the number of Re-Auth Answer (RAA) negative acknowledgement (NACK) messages transmitted to this peer.
txRaaRelSess [Tx Raa Rel Sess] (tmnxMobPdnSdStatTxRaaRelSess)	long	The value of tmnxMobPdnSdStatTxRaaRelSess indicates the number of Re-Auth Answer (RAA) Release Session messages transmitted to this peer.

Table 551 Itessg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRetransmitMsgs [Tx Retransmit Msgs] (tmnxMobPdnSdStatTxRetransmitMsgs)	long	The value of tmnxMobPdnSdStatTxRetransmitMsgs indicates the number of retransmit messages transmitted to this peer.
txRtsa [Tx Rtsa] (tmnxMobPdnSdStatTxRtsa)	long	The value of tmnxMobPdnSdStatTxRtsa indicates the number of Redirect TDF session request (R-TSR) messages transmitted to this peer.
txRtsaFail [Tx Rtsa Fail] (tmnxMobPdnSdStatTxRtsaFail)	long	The value of tmnxMobPdnSdStatTxRtsaFail indicates the number of Redirect TDF session acknowledge (R-TSA) message failures received from this peer.
txTsaMsg [Tx Tsa Msg] (tmnxMobPdnSdStatTxTsaMsg)	long	The value of tmnxMobPdnSdStatTxTsaMsg indicates the number of TDF session acknowledge (TSA) messages sent to this peer.
txTsaMsgFail [Tx Tsa Msg Fail] (tmnxMobPdnSdStatTxTsaMsgFail)	long	The value of tmnxMobPdnSdStatTxTsaMsgFail indicates the number of TDF session acknowledge (TSA) message failures.
txTsaRedMsg [Tx Tsa Red Msg] (tmnxMobPdnSdStatTxTsaRedMsg)	long	The value of tmnxMobPdnSdStatTxTsaRedMsg indicates the number of TDF session acknowledge (TSA) redirect messages sent to this peer.
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 552 Itetwag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>StaCauseCodeStats</p> <p>MIB entry name: tmnxMobPdnStaCauseCodeEntry</p> <p>Entry description: Each row entry represents a peer on the Sta reference point and contains cause code statistics for this peer on a card.</p> <p>Table description (for tmnxMobPdnStaCauseCodeTable): The tmnxMobPdnStaCauseCodeTable has an entry for each peer on the Sta reference point which is located between ePDG and AAA server/proxy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itetwag.StaPeer</p>		
aaaldNotRegist [Aaa Id Not Regist] (tmnxMobPdnStaCcRxAaaldNotRegist)	long	The value of tmnxMobPdnStaCcRxAaaldNotRegist indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_NOT_REGISTERED (5003).
aaaldRegistered [Aaa Id Registered] (tmnxMobPdnStaCcRxAaaldRegistered)	long	The value of tmnxMobPdnStaCcRxAaaldRegistered indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_ALREADY_REGISTERED (5005).
aaaRatNotAllow [Aaa Rat Not Allow] (tmnxMobPdnStaCcRxAaaRatNotAllow)	long	The value of tmnxMobPdnStaCcRxAaaRatNotAllow indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_RAT_TYPE_NOT_ALLOWED (5452).
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.

Table 552 Itetwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
dealdNotRegist [Dea Id Not Regist] (tmnxMobPdnStaCcRxDealdNotRegist)	long	The value of tmnxMobPdnStaCcRxDealdNotRegist indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_NOT_REGISTERED (5003).
dealdRegistered [Dea Id Registered] (tmnxMobPdnStaCcRxDealdRegistered)	long	The value of tmnxMobPdnStaCcRxDealdRegistered indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_IDENTITY_ALREADY_REGISTERED (5005).
deaRatNotAllow [Dea Rat Not Allow] (tmnxMobPdnStaCcRxDeaRatNotAllow)	long	The value of tmnxMobPdnStaCcRxDeaRatNotAllow indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_RAT_TYPE_NOT_ALLOWED (5452).
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
numAAAMsgNoNon3gppSub [Num AAAMsg No Non 3 gpp Sub] (tmnxMobPdnStaCcRxAaaNoNon3gppSub)	long	The value of tmnxMobPdnStaCcRxAaaNoNon3gppSub indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTION (5450).
numAAAMsgRoamNotAllowed [Num AAAMsg Roam Not Allowed] (tmnxMobPdnStaCcRxAaaRoamNotAllowed)	long	The value of tmnxMobPdnStaCcRxAaaRoamNotAllowed indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_ROAMING_NOT_ALLOWED (5004).

Table 552 Ietwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numDEAMsgNoNon3gppSub [Num DEAMsg No Non 3 gpp Sub] (tmnxMobPdnStaCcRxDeaNoNon3gppSub)	long	The value of tmnxMobPdnStaCcRxDeaNoNon3gppSub indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTION (5450).
numDEAMsgRoamNotAllowed [Num DEAMsg Roam Not Allowed] (tmnxMobPdnStaCcRxDeaRoamNotAllowed)	long	The value of tmnxMobPdnStaCcRxDeaRoamNotAllowed indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_ROAMING_NOT_ALLOWED (5004).
peerIpAddress [Peer Ip Address] (tmnxMobPdnStaPeerAddress)	String	The value of tmnxMobPdnStaPeerAddress indicates the IP address of the peer on Sta reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnStaPeerAddressType)	int	The value of tmnxMobPdnStaPeerAddressType indicates the type of address represented by tmnxMobPdnStaPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobPdnStaPeerPort)	int	The value of tmnxMobPdnStaPeerPort indicates the port number of this peer.
receivedAAAAPVNotAllowed [Received AAAAPVNot Allowed] (tmnxMobPdnStaCcRxAaaAvpNotAllowed)	long	The value of tmnxMobPdnStaCcRxAaaAvpNotAllowed indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
receivedAAAAPVUnsupported [Received AAAAPVUnsupported] (tmnxMobPdnStaCcRxAaaAvpUnsupported)	long	The value of tmnxMobPdnStaCcRxAaaAvpUnsupported indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
receivedAAAAuthenticationRejected [Received AAAAuthentication Rejected] (tmnxMobPdnStaCcRxAaaAuthNReject)	long	The value of tmnxMobPdnStaCcRxAaaAuthNReject indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AUTHENTICATION_REJECTED (4001).

Table 552 Ietwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedAAAAuthorizationRejected [Received AAAAuthorization Rejected] (tmnxMobPdnStaCcRxAaaAuthZReject)	long	The value of tmnxMobPdnStaCcRxAaaAuthZReject indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).
receivedAAAInvalidAVPValue [Received AAAInvalid AVPValue] (tmnxMobPdnStaCcRxAaaInvalAvpVal)	long	The value of tmnxMobPdnStaCcRxAaaInvalAvpVal indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
receivedAAAMissingAVP [Received AAAMissing AVP] (tmnxMobPdnStaCcRxAaaMissingAvp)	long	The value of tmnxMobPdnStaCcRxAaaMissingAvp indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).
receivedAAAOtherPermanentFailures [Received AAAOther Permanent Failures] (tmnxMobPdnStaCcRxAaaOther5XXX)	long	The value of tmnxMobPdnStaCcRxAaaOther5XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other permanent failures.
receivedAAAOtherProtocolsErrors [Received AAAOther Protocols Errors] (tmnxMobPdnStaCcRxAaaOther3XXX)	long	The value of tmnxMobPdnStaCcRxAaaOther3XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other protocol errors.
receivedAAAOtherTransitFailures [Received AAAOther Transit Failures] (tmnxMobPdnStaCcRxAaaOther4XXX)	long	The value of tmnxMobPdnStaCcRxAaaOther4XXX indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to other transient failures.
receivedAAAResourcesExceeded [Received AAAResources Exceeded] (tmnxMobPdnStaCcRxAaaResrcExceed)	long	The value of tmnxMobPdnStaCcRxAaaResrcExceed indicates the number of AA-Answer (AAA) the messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).
receivedAAATooBusy [Received AAAToo Busy] (tmnxMobPdnStaCcRxAaaTooBusy)	long	The value of tmnxMobPdnStaCcRxAaaTooBusy indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedAAAUnabletoDeliver [Received AAAUnableto Deliver] (tmnxMobPdnStaCcRxAaaUnableDelivr)	long	The value of tmnxMobPdnStaCcRxAaaUnableDelivr indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
receivedAAAUnknownSessionId [Received AAAUnknown Session Id] (tmnxMobPdnStaCcRxAaaUnkSessId)	long	The value of tmnxMobPdnStaCcRxAaaUnkSessId indicates the number of the AA-Answer (AAA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
receivedAAAUserNoApnSubscription [Received AAAUser No Apn Subscription] (tmnxMobPdnStaCcRxAaaUserNoApnSub)	long	The value of tmnxMobPdnStaCcRxAaaUserNoApnSub indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION (5451).
receivedAAAUserUnknown [Received AAAUser Unknown] (tmnxMobPdnStaCcRxAaaUserUnknown)	long	The value of tmnxMobPdnStaCcRxAaaUserUnknown indicates the number of the AA-Answer (AAA) messages received on this peer with the experimental cause code set to DIAMETER_USER_UNKNOWN (5001).
receivedDEAAVPNotAllowed [Received DEAAVPNot Allowed] (tmnxMobPdnStaCcRxDeaAvpNotAllowed)	long	The value of tmnxMobPdnStaCcRxDeaAvpNotAllowed indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AVP_NOT_ALLOWED (5008).
receivedDEAAVPUnsupported [Received DEAAVPUnsupported] (tmnxMobPdnStaCcRxDeaAvpUnsupport)	long	The value of tmnxMobPdnStaCcRxDeaAvpUnsupport indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AVP_UNSUPPORTED (5001).
receivedDEAAAuthenticationRejected [Received DEAAAuthentication Rejected] (tmnxMobPdnStaCcRxDeaAuthNReject)	long	The value of tmnxMobPdnStaCcRxDeaAuthNReject indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AUTHENTICATION_REJECTED (4001).

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDEAAuthorizationRejected [Received DEAAuthorization Rejected] (tmnxMobPdnStaCcRxDeaAuthZReject)	long	The value of tmnxMobPdnStaCcRxDeaAuthZReject indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_AUTHORIZATION_REJECTED (5003).
receivedDEAInvalidAVPValue [Received DEAInvalid AVPValue] (tmnxMobPdnStaCcRxDeaInvalAvpVal)	long	The value of tmnxMobPdnStaCcRxDeaInvalAvpVal indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_INVALID_AVP_VALUE (5004).
receivedDEAMissingAVP [Received DEAMissing AVP] (tmnxMobPdnStaCcRxDeaMissingAvp)	long	The value of tmnxMobPdnStaCcRxDeaMissingAvp indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_MISSING_AVP (5005).
receivedDEAOtherPermanentFailures [Received DEAOther Permanent Failures] (tmnxMobPdnStaCcRxDeaOther5XXX)	long	The value of tmnxMobPdnStaCcRxDeaOther5XXX indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to other permanent failures.
receivedDEAOtherProtocolsErrors [Received DEAOther Protocols Errors] (tmnxMobPdnStaCcRxDeaOther3XXX)	long	The value of tmnxMobPdnStaCcRxDeaOther3XXX indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to other protocol errors.
receivedDEAOtherTransitFailures [Received DEAOther Transit Failures] (tmnxMobPdnStaCcRxDeaOther4XXX)	long	The value of tmnxMobPdnStaCcRxDeaOther4XXX indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to other transient failures.
receivedDEAResourcesExceeded [Received DEAResources Exceeded] (tmnxMobPdnStaCcRxDeaResrcExceed)	long	The value of tmnxMobPdnStaCcRxDeaResrcExceed indicates the number of DE-Answer (DEA) the messages received on this peer with cause code set to DIAMETER_RESOURCES_EXCEEDED (5006).
receivedDEATooBusy [Received DEAToo Busy] (tmnxMobPdnStaCcRxDeaTooBusy)	long	The value of tmnxMobPdnStaCcRxDeaTooBusy indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_TOO_BUSY (3004).

Table 552 Iletweg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedDEAUnabletoDeliver [Received DEAUnableto Deliver] (tmnxMobPdnStaCcRxDeaUnableDelivr)	long	The value of tmnxMobPdnStaCcRxDeaUnableDelivr indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_UNABLE_TO_DELIVER (3002).
receivedDEAUnknownSessionId [Received DEAUnknown Session Id] (tmnxMobPdnStaCcRxDeaUnkSessId)	long	The value of tmnxMobPdnStaCcRxDeaUnkSessId indicates the number of the DE-Answer (DEA) messages received on this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
receivedDEAUserNoApnSubscription [Received DEAUser No Apn Subscription] (tmnxMobPdnStaCcRxDeaUserNoApnSub)	long	The value of tmnxMobPdnStaCcRxDeaUserNoApnSub indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION (5451).
receivedDEAUserUnknown [Received DEAUser Unknown] (tmnxMobPdnStaCcRxDeaUserUnknown)	long	The value of tmnxMobPdnStaCcRxDeaUserUnknown indicates the number of the DE-Answer (DEA) messages received on this peer with the experimental cause code set to DIAMETER_USER_UNKNOWN (5001).
strLogout [Str Logout] (tmnxMobPdnStaCcTxStrLogout)	long	The value of tmnxMobPdnStaCcTxStrLogout indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_LOGOUT (1).
strServNotProv [Str Serv Not Prov] (tmnxMobPdnStaCcTxStrServNotProv)	long	The value of tmnxMobPdnStaCcTxStrServNotProv indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_SERVICE_NOT_PROVIDED (2).
transmittedASAUnabletoComply [Transmitted ASAUnableto Comply] (tmnxMobPdnStaCcTxAsaUnComply)	long	The value of tmnxMobPdnStaCcTxAsaUnComply indicates the number of Abort-Session-Answer (ASA) the messages transmitted from this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).

Table 552 Ietwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedASAUnknownSessionId [Transmitted ASAUnknown Session Id] (tmnxMobPdnStaCcTxAsaUnkSessId)	long	The value of tmnxMobPdnStaCcTxAsaUnkSessId indicates the number of the Abort-Session-Answer (ASA) messages transmitted from this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
transmittedRAAUnabletoComply [Transmitted RAAUnableto Comply] (tmnxMobPdnStaCcTxRaaUnComply)	long	The value of tmnxMobPdnStaCcTxRaaUnComply indicates the number of Re-Auth-Answer (RAA) the messages transmitted from this peer with cause code set to DIAMETER_UNABLE_TO_COMPLY (5012).
transmittedRAAUnknownSessionId [Transmitted RAAUnknown Session Id] (tmnxMobPdnStaCcTxRaaUnkSessId)	long	The value of tmnxMobPdnStaCcTxRaaUnkSessId indicates the number of the Re-Auth-Answer (RAA) messages transmitted from this peer with cause code set to DIAMETER_UNKNOWN_SESSION_ID (5002).
transmittedSTRAdministrative [Transmitted STRAdministrative] (tmnxMobPdnStaCcTxStrAdmin)	long	The value of tmnxMobPdnStaCcTxStrAdmin indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_ADMINISTRATIVE (4).
transmittedSTRBadAnswer [Transmitted STRBad Answer] (tmnxMobPdnStaCcTxStrBadAnswer)	long	The value of tmnxMobPdnStaCcTxStrBadAnswer indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_BAD_ANSWER (3).
transmittedSTRSessiontimeout [Transmitted STRSessiontimeout] (tmnxMobPdnStaCcTxStrSessTimeout)	long	The value of tmnxMobPdnStaCcTxStrSessTimeout indicates the number of the Session-Termination-Request (STR) messages transmitted from this peer with Termination-Cause Attribute Value Pair (AVP) set to DIAMETER_SESSION_TIMEOUT (8).
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 552 Itetwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>StaPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itetwag.StaPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.
pdnStaAARFinalTOTx [Pdn Sta AARFinal TOTx] (tmnxMobPdnStaAARFinalTOTx)	long	The value of tmnxMobPdnStaAARFinalTOTx indicates the number of AAR request retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaASAUnknownSessTx [Pdn Sta ASAUnknown Sess Tx] (tmnxMobPdnStaASAUnknownSessTx)	long	The value of tmnxMobPdnStaASAUnknownSessTx indicates the number of Abort Session Answer (ASA) messages sent when the session identified in the Abort Session Request (ASR) message could not be found.
pdnStaDERFinalTOTx [Pdn Sta DERFinal TOTx] (tmnxMobPdnStaDERFinalTOTx)	long	The value of tmnxMobPdnStaDERFinalTOTx indicates the number of DER request retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.
pdnStaRAAUnknownSessTx [Pdn Sta RAAUnknown Sess Tx] (tmnxMobPdnStaRAAUnknownSessTx)	long	The value of tmnxMobPdnStaRAAUnknownSessTx indicates the number of Reauthorization Answer (RAA) messages sent when the session identified in the Reauthorization Request (RAR) could not be found.
pdnStaSTRFinalTOTx [Pdn Sta STRFinal TOTx] (tmnxMobPdnStaSTRFinalTOTx)	long	The value of tmnxMobPdnStaSTRFinalTOTx indicates the number of STR request retries aborted due to exhaustion of maximum allowable retries due to the lack of response from the Authentication, Authorization and Accounting (AAA) server.
pdnStaSTRUnknownSessAaaTx [Pdn Sta STRUnknown Sess Aaa Tx] (tmnxMobPdnStaSTRUnknownSessAaaTx)	long	The value of tmnxMobPdnStaSTRUnknownSessAaaTx indicates the number of STR requests the Packet Data Gateway (ePDG) sends upon receiving AA Answer (AAA) message for an unknown session.
pdnStaSTRUnknownSessDeaTx [Pdn Sta STRUnknown Sess Dea Tx] (tmnxMobPdnStaSTRUnknownSessDeaTx)	long	The value of tmnxMobPdnStaSTRUnknownSessDeaTx indicates the number of STR requests the Packet Data Gateway (ePDG) sends upon receiving DE Answer (DEA) message for an unknown session.
pdnStaStatAAAExtnRx [Pdn Sta Stat AAExtn Rx] (tmnxMobPdnStaStatAAAExtnRx)	long	The value of tmnxMobPdnStaStatAAAExtnRx indicates the number of AA Answer (AAA) messages received from this peer for a lifetime extension.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatAAAReauthRx [Pdn Sta Stat AAAReauth Rx] (tmnxMobPdnStaStatAAAReauthRx)	long	The value of tmnxMobPdnStaStatAAAReauthRx indicates the number of AA Answer (AAA) messages received from this peer for a reauthorization.
pdnStaStatAAARejectRx [Pdn Sta Stat AAAReject Rx] (tmnxMobPdnStaStatAAARejectRx)	long	The value of tmnxMobPdnStaStatAAARejectRx indicates the number of AAA messages received from this peer with Result-Code set to diameter-authorization-rejected.
pdnStaStatAAASuccessRx [Pdn Sta Stat AAASuccess Rx] (tmnxMobPdnStaStatAAASuccessRx)	long	The value of tmnxMobPdnStaStatAAASuccessRx indicates the number of AAA messages received from this peer with Result-Code set to diameter success.
pdnStaStatAARExtnTx [Pdn Sta Stat AARExtn Tx] (tmnxMobPdnStaStatAARExtnTx)	long	The value of tmnxMobPdnStaStatAARExtnTx indicates the number of AA Request (AAR) messages transmitted to this peer during a lifetime extension.
pdnStaStatAARReauthTx [Pdn Sta Stat AARReauth Tx] (tmnxMobPdnStaStatAARReauthTx)	long	The value of tmnxMobPdnStaStatAARReauthTx indicates the number of AA Request (AAR) messages transmitted to this peer during a reauthorization.
pdnStaStatAARRetries [Pdn Sta Stat AARRetries] (tmnxMobPdnStaStatAARRetries)	long	The value of tmnxMobPdnStaStatAARRetries indicates the number of times the Packet Data Gateway (ePDG) retried to send an AAR request.
pdnStaStatASAnswerTx [Pdn Sta Stat ASAnswer Tx] (tmnxMobPdnStaStatASAnswerTx)	long	The value of tmnxMobPdnStaStatASAnswerTx indicates the number of Abort Session Answer (ASA) messages transmitted by the evolved Packet Data Gateway (ePDG).
pdnStaStatASRequestRx [Pdn Sta Stat ASRequest Rx] (tmnxMobPdnStaStatASRequestRx)	long	The value of tmnxMobPdnStaStatASRequestRx indicates the number of Abort Session Request (ASR) messages received by the evolved Packet Data Gateway (ePDG).
pdnStaStatCEAMsgsRx [Pdn Sta Stat CEAMsgs Rx] (tmnxMobPdnStaStatCEAMsgsRx)	long	The value of tmnxMobPdnStaStatCEAMsgsRx indicates the number of Capability Exchange Answer (CEA) messages received from this peer.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatCERMsgsTx [Pdn Sta Stat CERMsgs Tx] (tmnxMobPdnStaStatCERMsgsTx)	long	The value of tmnxMobPdnStaStatCERMsgsTx indicates the number of Capability Exchange Request (CER) messages transmitted to this peer.
pdnStaStatConnAttempts [Pdn Sta Stat Conn Attempts] (tmnxMobPdnStaStatConnAttempts)	long	The value of tmnxMobPdnStaStatConnAttempts indicates the number of connections attempted to this peer.
pdnStaStatConnFailures [Pdn Sta Stat Conn Failures] (tmnxMobPdnStaStatConnFailures)	long	The value of tmnxMobPdnStaStatConnFailures indicates the number of failed connections with this peer.
pdnStaStatCurrCgAarMsg [Pdn Sta Stat Curr Cg Aar Msg] (tmnxMobPdnStaStatCurrCgAarMsg)	long	The value of tmnxMobPdnStaStatCurrCgAarMsg indicates the number of AA Request (AAR) messages to this peer dropped during the current congestion.
pdnStaStatCurrCgAsaMsg [Pdn Sta Stat Curr Cg Asa Msg] (tmnxMobPdnStaStatCurrCgAsaMsg)	long	The value of tmnxMobPdnStaStatCurrCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the current congestion.
pdnStaStatCurrCgDerMsg [Pdn Sta Stat Curr Cg Der Msg] (tmnxMobPdnStaStatCurrCgDerMsg)	long	The value of tmnxMobPdnStaStatCurrCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the current congestion.
pdnStaStatCurrCgPendMsg [Pdn Sta Stat Curr Cg Pend Msg] (tmnxMobPdnStaStatCurrCgPendMsg)	long	The value of tmnxMobPdnStaStatCurrCgPendMsg indicates the number of pending messages toward this peer during the current congestion.
pdnStaStatCurrCgRaaMsg [Pdn Sta Stat Curr Cg Raa Msg] (tmnxMobPdnStaStatCurrCgRaaMsg)	long	The value of tmnxMobPdnStaStatCurrCgRaaMsg indicates the number of Re-Authorization Answer (RAA) messages to this peer dropped during the current congestion.
pdnStaStatCurrCgStrMsg [Pdn Sta Stat Curr Cg Str Msg] (tmnxMobPdnStaStatCurrCgStrMsg)	long	The value of tmnxMobPdnStaStatCurrCgStrMsg indicates the number of Session Termination Request (STR) messages to this peer dropped during the current congestion.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatDEAMultiRoundRx [Pdn Sta Stat DEAMulti Round Rx] (tmnxMobPdnStaStatDEAMultiRoundRx)	long	The value of tmnxMobPdnStaStatDEAMultiRoundRx indicates the number of DEA messages received from this peer with Result-Code set to diameter multi-round-auth.
pdnStaStatDEAOtherCodeRx [Pdn Sta Stat DEAOther Code Rx] (tmnxMobPdnStaStatDEAOtherCodeRx)	long	The value of tmnxMobPdnStaStatDEAOtherCodeRx indicates the number of DEA messages received from this peer with Result-Code other than diameter success or diameter mutli-round-auth.
pdnStaStatDEARedFailRx [Pdn Sta Stat DEARed Fail Rx] (tmnxMobPdnStaStatDEARedFailRx)	long	The value of tmnxMobPdnStaStatDEARedFailRx indicates the number of redirection DEA messages received from this peer with the failure Result-Code.
pdnStaStatDEARedRx [Pdn Sta Stat DEARed Rx] (tmnxMobPdnStaStatDEARedRx)	long	The value of tmnxMobPdnStaStatDEARedRx indicates the number of redirection DEA messages received from this peer.
pdnStaStatDEASuccessRx [Pdn Sta Stat DEASuccess Rx] (tmnxMobPdnStaStatDEASuccessRx)	long	The value of tmnxMobPdnStaStatDEASuccessRx indicates the number of DEA messages received from this peer with Result-Code set to diameter success.
pdnStaStatDERInitAtchTx [Pdn Sta Stat DERInit Atch Tx] (tmnxMobPdnStaStatDERInitAtchTx)	long	The value of tmnxMobPdnStaStatDERInitAtchTx indicates the number of Diameter EAP Request (DER) messages transmitted to this peer for an initial attach.
pdnStaStatDERReAuthenTx [Pdn Sta Stat DERRe Authen Tx] (tmnxMobPdnStaStatDERReAuthenTx)	long	The value of tmnxMobPdnStaStatDERReAuthenTx indicates the number of Diameter EAP Request (DER) messages transmitted to this peer for re-authentication.
pdnStaStatDERRetries [Pdn Sta Stat DERRetries] (tmnxMobPdnStaStatDERRetries)	long	The value of tmnxMobPdnStaStatDERRetries indicates the number of times the Packet Data Gateway (ePDG) retried to send a DER request.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatDERSubsAtchTx [Pdn Sta Stat DERSubs Atch Tx] (tmnxMobPdnStaStatDERSubsAtchTx)	long	The value of tmnxMobPdnStaStatDERSubsAtchTx indicates the number of Diameter EAP Request (DER) messages transmitted to this peer for a subsequent attach.
pdnStaStatDPAMsgsRx [Pdn Sta Stat DPAMsgs Rx] (tmnxMobPdnStaStatDPAMsgsRx)	long	The value of tmnxMobPdnStaStatDPAMsgsRx indicates the number of Disconnect Peer Answer (DPA) messages received from this peer.
pdnStaStatDPAMsgsTx [Pdn Sta Stat DPAMsgs Tx] (tmnxMobPdnStaStatDPAMsgsTx)	long	The value of tmnxMobPdnStaStatDPAMsgsTx indicates the number of Disconnect Peer Answer (DPA) messages transmitted to this peer.
pdnStaStatDPRMsgsRx [Pdn Sta Stat DPRMsgs Rx] (tmnxMobPdnStaStatDPRMsgsRx)	long	The value of tmnxMobPdnStaStatDPRMsgsRx indicates the number of Disconnect Peer Request (DPR) messages received from this peer.
pdnStaStatDPRMsgsTx [Pdn Sta Stat DPRMsgs Tx] (tmnxMobPdnStaStatDPRMsgsTx)	long	The value of tmnxMobPdnStaStatDPRMsgsTx indicates the number of Disconnect Peer Request (DPR) messages transmitted to this peer.
pdnStaStatDWAMsgsRx [Pdn Sta Stat DWAMsgs Rx] (tmnxMobPdnStaStatDWAMsgsRx)	long	The value of tmnxMobPdnStaStatDWAMsgsRx indicates the number of Device Watch Answer (DWA) messages received from this peer.
pdnStaStatDWAMsgsTx [Pdn Sta Stat DWAMsgs Tx] (tmnxMobPdnStaStatDWAMsgsTx)	long	The value of tmnxMobPdnStaStatDWAMsgsTx indicates the number of Device Watch Answer (DWA) messages transmitted to this peer.
pdnStaStatDWRMsgsRx [Pdn Sta Stat DWRMsgs Rx] (tmnxMobPdnStaStatDWRMsgsRx)	long	The value of tmnxMobPdnStaStatDWRMsgsRx indicates the number of Device Watchdog Request (DWR) messages received from this peer.
pdnStaStatDWRMsgsTx [Pdn Sta Stat DWRMsgs Tx] (tmnxMobPdnStaStatDWRMsgsTx)	long	The value of tmnxMobPdnStaStatDWRMsgsTx indicates the number of Device Watchdog Request (DWR) messages transmitted to this peer.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatMessagesRx [Pdn Sta Stat Messages Rx] (tmnxMobPdnStaStatMessagesRx)	long	The value of tmnxMobPdnStaStatMessagesRx indicates the total number of sta application messages received from this peer.
pdnStaStatMessagesTx [Pdn Sta Stat Messages Tx] (tmnxMobPdnStaStatMessagesTx)	long	The value of tmnxMobPdnStaStatMessagesTx indicates the total number of sta application messages transmitted to this peer.
pdnStaStatPrevCgAarMsg [Pdn Sta Stat Prev Cg Aar Msg] (tmnxMobPdnStaStatPrevCgAarMsg)	long	The value of tmnxMobPdnStaStatPrevCgAarMsg indicates the number of AA Request (AAR) messages to this peer dropped during the prior congestion.
pdnStaStatPrevCgAsaMsg [Pdn Sta Stat Prev Cg Asa Msg] (tmnxMobPdnStaStatPrevCgAsaMsg)	long	The value of tmnxMobPdnStaStatPrevCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the prior congestion.
pdnStaStatPrevCgDerMsg [Pdn Sta Stat Prev Cg Der Msg] (tmnxMobPdnStaStatPrevCgDerMsg)	long	The value of tmnxMobPdnStaStatPrevCgAsaMsg indicates the number of Abort Session Answer (ASA) messages to this peer dropped during the prior congestion.
pdnStaStatPrevCgRaaMsg [Pdn Sta Stat Prev Cg Raa Msg] (tmnxMobPdnStaStatPrevCgRaaMsg)	long	The value of tmnxMobPdnStaStatPrevCgRaaMsg indicates the number of Re-Authorization Answer (RAA) messages to this peer dropped during the prior congestion.
pdnStaStatPrevCgStrMsg [Pdn Sta Stat Prev Cg Str Msg] (tmnxMobPdnStaStatPrevCgStrMsg)	long	The value of tmnxMobPdnStaStatPrevCgStrMsg indicates the number of Session Termination Request (STR) messages to this peer dropped during the prior congestion.
pdnStaStatRAAnswerTx [Pdn Sta Stat RAAnswer Tx] (tmnxMobPdnStaStatRAAnswerTx)	long	The value of tmnxMobPdnStaStatRAAnswerTx indicates the number of Reauthorization Answer (RAA) messages transmitted by the evolved Packet Data Gateway (ePDG).
pdnStaStatRARRequestRx [Pdn Sta Stat RARRequest Rx] (tmnxMobPdnStaStatRARRequestRx)	long	The value of tmnxMobPdnStaStatRARRequestRx indicates the number of Reauthorization Request (RAR) messages received by the evolved Packet Data Gateway (ePDG).

Table 552 Iletweg statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatRxAaaInvlDPkts [Pdn Sta Stat Rx Aaa InvlD Pkts] (tmnxMobPdnStaStatRxAaaInvlDPkts)	long	The value of tmnxMobPdnStaStatRxAaaInvlDPkts indicates the number of AAA invalid packets received from this peer.
pdnStaStatRxAsrInvlDPkts [Pdn Sta Stat Rx Asr InvlD Pkts] (tmnxMobPdnStaStatRxAsrInvlDPkts)	long	The value of tmnxMobPdnStaStatRxAsrInvlDPkts indicates the number of ASR invalid packets received from this peer.
pdnStaStatRxDealInvlDPkts [Pdn Sta Stat Rx Dea InvlD Pkts] (tmnxMobPdnStaStatRxDealInvlDPkts)	long	The value of tmnxMobPdnStaStatRxDealInvlDPkts indicates the number of DEA invalid packets received from this peer.
pdnStaStatRxInvalidCea [Pdn Sta Stat Rx Invalid Cea] (tmnxMobPdnStaStatRxInvalidCea)	long	The value of tmnxMobPdnStaStatRxInvalidCea indicates the number of invalid Capabilities Exchange Answer (CEA) messages received from this peer.
pdnStaStatRxMsgTooBig [Pdn Sta Stat Rx Msg Too Big] (tmnxMobPdnStaStatRxMsgTooBig)	long	The value of tmnxMobPdnStaStatRxMsgTooBig indicates the number of oversize messages received from this peer.
pdnStaStatRxMsgTooSmall [Pdn Sta Stat Rx Msg Too Small] (tmnxMobPdnStaStatRxMsgTooSmall)	long	The value of tmnxMobPdnStaStatRxMsgTooSmall indicates the number of small messages received from this peer.
pdnStaStatRxMsgUnexpctVer [Pdn Sta Stat Rx Msg Unexpct Ver] (tmnxMobPdnStaStatRxMsgUnexpctVer)	long	The value of tmnxMobPdnStaStatRxMsgUnexpctVer indicates the number of unexpected version messages received from this peer.
pdnStaStatRxRarInvlDPkts [Pdn Sta Stat Rx Rar InvlD Pkts] (tmnxMobPdnStaStatRxRarInvlDPkts)	long	The value of tmnxMobPdnStaStatRxRarInvlDPkts indicates the number of RAR invalid packets received from this peer.
pdnStaStatRxStaInvlDPkts [Pdn Sta Stat Rx Sta InvlD Pkts] (tmnxMobPdnStaStatRxStaInvlDPkts)	long	The value of tmnxMobPdnStaStatRxStaInvlDPkts indicates the number of STA invalid packets received from this peer.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdnStaStatRxTransportDisc [Pdn Sta Stat Rx Transport Disc] (tmnxMobPdnStaStatRxTransportDisc)	long	The value of tmnxMobPdnStaStatRxTransportDisc indicates the number of remote transport disconnect messages received from this peer.
pdnStaStatSTASuccessRx [Pdn Sta Stat STASuccess Rx] (tmnxMobPdnStaStatSTASuccessRx)	long	The value of tmnxMobPdnStaStatSTASuccessRx indicates the number of STA messages received from this peer with Result-Code set to diameter success.
pdnStaStatSTAnswerRx [Pdn Sta Stat STAnswer Rx] (tmnxMobPdnStaStatSTAnswerRx)	long	The value of tmnxMobPdnStaStatSTAnswerRx indicates the number of Session Termination Answer (STA) messages received by the evolved Packet Data Gateway (ePDG).
pdnStaStatSTRRetries [Pdn Sta Stat STRRetries] (tmnxMobPdnStaStatSTRRetries)	long	The value of tmnxMobPdnStaStatSTRRetries indicates the number of times the Packet Data Gateway (ePDG) retried to send a STR request.
pdnStaStatSTRequestTx [Pdn Sta Stat STRequest Tx] (tmnxMobPdnStaStatSTRequestTx)	long	The value of tmnxMobPdnStaStatSTRequestTx indicates the number of Session Termination Request (STR) messages transmitted by the evolved Packet Data Gateway (ePDG).
pdnStaStatTxRetransmitMsgs [Pdn Sta Stat Tx Retransmit Msgs] (tmnxMobPdnStaStatTxRetransmitMsgs)	long	The value of tmnxMobPdnStaStatTxRetransmitMsgs indicates the number of retransmit messages transmitted to this peer.
peerIpAddress [Peer Ip Address] (tmnxMobPdnStaPeerAddress)	String	The value of tmnxMobPdnStaPeerAddress indicates the IP address of the peer on Sta reference point.
peerIpAddressType [Peer Ip Address Type] (tmnxMobPdnStaPeerAddressType)	int	The value of tmnxMobPdnStaPeerAddressType indicates the type of address represented by tmnxMobPdnStaPeerAddress.
peerTcpPort [Peer Tcp Port] (tmnxMobPdnStaPeerPort)	int	The value of tmnxMobPdnStaPeerPort indicates the port number of this peer.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
virtualRouterId [Virtual Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>SwwRadPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Iletwag.SwwRadPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
epcId [Epc Id] (tmnxMobGwId)	long	The value of tmnxMobGwId uniquely identifies a mobile gateway configured in the system.

Table 552 Ietwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lclAddr [Lcl Addr] (tmnxMobPdnSwwRadStatLclAddr)	String	The value of tmnxMobPdnSwwRadStatLclAddr indicates the local IP address of the peer on SWw radius reference point.
lclAddrType [Lcl Addr Type] (tmnxMobPdnSwwRadStatLclAddrType)	int	The value of tmnxMobPdnSwwRadStatLclAddrType indicates the type of address represented by tmnxMobPdnSwwRadStatLclAddr.
numberOfAccessAccTx [Number Of Access Acc Tx] (tmnxMobPdnSwwRadStatAccessAccTx)	long	The value of tmnxMobPdnSwwRadStatAccessAccTx indicates the number of the accepted access requests transmitted to this peer.
numberOfAccessChaTx [Number Of Access Cha Tx] (tmnxMobPdnSwwRadStatAccessChaTx)	long	The value of tmnxMobPdnSwwRadStatAccessChaTx indicates the number of the challenged access requests transmitted to this peer.
numberOfAccessRejTx [Number Of Access Rej Tx] (tmnxMobPdnSwwRadStatAccessRejTx)	long	The value of tmnxMobPdnSwwRadStatAccessRejTx indicates the number of the rejected access requests transmitted to this peer.
numberOfAccessReqRx [Number Of Access Req Rx] (tmnxMobPdnSwwRadStatAccessReqRx)	long	The value of tmnxMobPdnSwwRadStatAccessReqRx indicates the number of the access requests received from this peer.
numberOfAcctReqStart [Number Of Acct Req Start] (tmnxMobPdnSwwRadStatAcctReqStart)	long	The value of tmnxMobPdnSwwRadStatAcctReqStart indicates the number of the accounting request start message received from this peer.
numberOfAcctReqStop [Number Of Acct Req Stop] (tmnxMobPdnSwwRadStatAcctReqStop)	long	The value of tmnxMobPdnSwwRadStatAcctReqStop indicates the number of the accounting request stop message received from this peer.
numberOfAcctRespTx [Number Of Acct Resp Tx] (tmnxMobPdnSwwRadStatAcctRespTx)	long	The value of tmnxMobPdnSwwRadStatAcctRespTx indicates the number of the accounting response messages transmitted to this peer.

Table 552 lletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfAuthenErr [Number Of Authen Err] (tmnxMobPdnSwwRadStatAuthenErr)	long	The value of tmnxMobPdnSwwRadStatAuthenErr indicates the number of the access requests with the authentication errors.
numberOfDisconnAckRx [Number Of Disconn Ack Rx] (tmnxMobPdnSwwRadStatDisconnAckRx)	long	The value of tmnxMobPdnSwwRadStatDisconnAckRx indicates the number of the disconnect ACK responses received from this peer.
numberOfDisconnNakRx [Number Of Disconn Nak Rx] (tmnxMobPdnSwwRadStatDisconnNakRx)	long	The value of tmnxMobPdnSwwRadStatDisconnNakRx indicates the number of the disconnect NAK responses received from this peer.
numberOfDisconnReqTx [Number Of Disconn Req Tx] (tmnxMobPdnSwwRadStatDisconnReqTx)	long	The value of tmnxMobPdnSwwRadStatDisconnReqTx indicates the number of the disconnect requests messages transmitted to this peer.
numberOfMandAttrErr [Number Of Mand Attr Err] (tmnxMobPdnSwwRadStatMandAttrErr)	long	The value of tmnxMobPdnSwwRadStatMandAttrErr indicates the number of the access requests with the mandatory attribute errors.
numberOfMandAttrMiss [Number Of Mand Attr Miss] (tmnxMobPdnSwwRadStatMandAttrMiss)	long	The value of tmnxMobPdnSwwRadStatMandAttrMiss indicates the number of the access requests with the missing mandatory attributes.
numberOfOptAttrErr [Number Of Opt Attr Err] (tmnxMobPdnSwwRadStatOptAttrErr)	long	The value of tmnxMobPdnSwwRadStatOptAttrErr indicates the number of the access requests with the optional attribute errors.
numberOfUnexpectCode [Number Of Unexpect Code] (tmnxMobPdnSwwRadStatUnexpectCode)	long	The value of tmnxMobPdnSwwRadStatUnexpectCode indicates the number of the access requests with the unexpected code.
numberOfUnsupportErr [Number Of Unsupport Err] (tmnxMobPdnSwwRadStatUnsupportErr)	long	The value of tmnxMobPdnSwwRadStatUnsupportErr indicates the number of the access requests with the unsupported errors.

Table 552 Itetwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerIpAddress [Peer Ip Address] (tmnxMobGwSigPeerAddress)	String	The value of tmnxMobGwSigPeerAddress indicates the IP address of this peer on signaling reference points.
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwSigPeerAddressType)	int	The value of tmnxMobGwSigPeerAddressType indicates the type of address represented by tmnxMobGwSigPeerAddress.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.
<p>SwwTnlPeerStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Itetwag.SwwTnlPeer</p>		
cardSlotNumber [Card Slot Number] (tmnxCardSlotNum)	long	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	long	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 552 Ietwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
epcld [Epc Id] (tmnxMobGwld)	long	The value of tmnxMobGwld uniquely identifies a mobile gateway configured in the system.
numberOfAckPktTx [Number Of Ack Pkt Tx] (tmnxMobPdnSwwTnlStatAckPktTx)	long	The value of tmnxMobPdnSwwTnlStatAckPktTx indicates the number of the packets for the ack messages transmitted to this peer.
numberOfDeclinePktRx [Number Of Decline Pkt Rx] (tmnxMobPdnSwwTnlStatDeclinePktRx)	long	The value of tmnxMobPdnSwwTnlStatDeclinePktRx indicates the number of the packets for the decline messages received from this peer.
numberOfDiscovrPktRx [Number Of Discovr Pkt Rx] (tmnxMobPdnSwwTnlStatDiscovrPktRx)	long	The value of tmnxMobPdnSwwTnlStatDiscovrPktRx indicates the number of the packets for the discover messages received from this peer.
numberOfInformPktRx [Number Of Inform Pkt Rx] (tmnxMobPdnSwwTnlStatInformPktRx)	long	The value of tmnxMobPdnSwwTnlStatInformPktRx indicates the number of the packets for the inform messages received from this peer.
numberOfMalformPktRx [Number Of Malform Pkt Rx] (tmnxMobPdnSwwTnlStatMalformPktRx)	long	The value of tmnxMobPdnSwwTnlStatMalformPktRx indicates the number of the malformed packets received from this peer.
numberOfNakPktTx [Number Of Nak Pkt Tx] (tmnxMobPdnSwwTnlStatNakPktTx)	long	The value of tmnxMobPdnSwwTnlStatNakPktTx indicates the number of the packets for the nak messages transmitted to this peer.
numberOfNbrAdvtPktTx [Number Of Nbr Advt Pkt Tx] (tmnxMobPdnSwwTnlStatNbrAdvtPktTx)	long	The value of tmnxMobPdnSwwTnlStatNbrAdvtPktTx indicates the number of the neighbor advertisement packets transmitted to this peer.
numberOfNbrSlctPktRx [Number Of Nbr Slct Pkt Rx] (tmnxMobPdnSwwTnlStatNbrSlctPktRx)	long	The value of tmnxMobPdnSwwTnlStatNbrSlctPktRx indicates the number of the neighbor solicitation packets received from this peer.

Table 552 Iletwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberOfOfferPktTx [Number Of Offer Pkt Tx] (tmnxMobPdnSwwTnlStatOfferPktTx)	long	The value of tmnxMobPdnSwwTnlStatOfferPktTx indicates the number of the packets for the offer messages transmitted to this peer.
numberOfReleasePktRx [Number Of Release Pkt Rx] (tmnxMobPdnSwwTnlStatReleasePktRx)	long	The value of tmnxMobPdnSwwTnlStatReleasePktRx indicates the number of the packets for the release messages received from this peer.
numberOfRequestPktRx [Number Of Request Pkt Rx] (tmnxMobPdnSwwTnlStatRequestPktRx)	long	The value of tmnxMobPdnSwwTnlStatRequestPktRx indicates the number of the packets for the request messages received from this peer.
numberOfRtrAdvtPktTx [Number Of Rtr Advt Pkt Tx] (tmnxMobPdnSwwTnlStatRtrAdvtPktTx)	long	The value of tmnxMobPdnSwwTnlStatRtrAdvtPktTx indicates the number of the router advertisement packets transmitted to this peer.
numberOfRtrSlctPktRx [Number Of Rtr Slct Pkt Rx] (tmnxMobPdnSwwTnlStatRtrSlctPktRx)	long	The value of tmnxMobPdnSwwTnlStatRtrSlctPktRx indicates the number of the router solicitation packets received from this peer.
numberOfUE [Number Of UE] (tmnxMobPdnSwwTnlStatNumOfUe)	long	The value of tmnxMobPdnSwwTnlStatNumOfUe indicates the number of User Equipments (UE) connected to this sww-tunnel diameter peer.
numberOfUnkwHstPktRx [Number Of Unkw Hst Pkt Rx] (tmnxMobPdnSwwTnlStatUnkwHstPktRx)	long	The value of tmnxMobPdnSwwTnlStatUnkwHstPktRx indicates the number of the unknown host packets received from this peer.
numberOfUnkwMsgPktRx [Number Of Unkw Msg Pkt Rx] (tmnxMobPdnSwwTnlStatUnkwMsgPktRx)	long	The value of tmnxMobPdnSwwTnlStatUnkwMsgPktRx indicates the number of the packets for the unknown messages received from this peer.
peerIpAddress [Peer Ip Address] (tmnxMobGwSigPeerAddress)	String	The value of tmnxMobGwSigPeerAddress indicates the IP address of this peer on signaling reference points.

Table 552 Ietwag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerIpAddressType [Peer Ip Address Type] (tmnxMobGwSigPeerAddressType)	int	The value of tmnxMobGwSigPeerAddressType indicates the type of address represented by tmnxMobGwSigPeerAddress.
peerType [Peer Type] (tmnxMobPdnSwwTnlStatType)	int	The value of tmnxMobPdnSwwTnlStatType indicates the type of this peer.
refPtName [Ref Pt Name] (tmnxMobGwSigRefPtName)	String	The value of tmnxMobGwSigRefPtName specifies the name of this reference point. When an entry is created for a single interface, the value of tmnxMobGwSigRefPtName is set to 'default'.
tunnelType [Tunnel Type] (tmnxMobPdnSwwTnlStatTunnelType)	String	The value of tmnxMobPdnSwwTnlStatTunnelType indicates the tunnel type of this peer.

Table 553 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>GroupSourceSummaryStats</p> <p>MIB entry name: vRtrMldGrpSrcSummaryEntry</p> <p>Entry description: An entry in the vRtrMldGrpSrcSummaryTable. Each entry represents the summary counters for each Group/Source combination.</p> <p>Table description (for vRtrMldGrpSrcSummaryTable): The table listing the IP multicast Group/Source summary counters.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Site</p>		
blockedGrpIntfSaps [Blocked Grp Intf Saps] (vRtrMldGrpSrcSummBlkGrpIfSaps)	long	vRtrMldGrpSrcSummBlkGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the blocking list.
blockedHosts [Blocked Hosts] (vRtrMldGrpSrcSummBlkHosts)	long	vRtrMldGrpSrcSummBlkHosts indicates the number of hosts having this Group/Source combination in the blocking list.
blockedInterfaces [Blocked Interfaces] (vRtrMldGrpSrcSummBlkInterfaces)	long	vRtrMldGrpSrcSummBlkInterfaces indicates the number of interfaces having this Group/Source combination in the blocking list.
fwdGrpIntfSaps [Fwd Grp Intf Saps] (vRtrMldGrpSrcSummFwdGrpIfSaps)	long	vRtrMldGrpSrcSummFwdGrpIfSaps indicates the number of Grp If SAP's having this Group/Source combination in the forwarding list.
fwdHosts [Fwd Hosts] (vRtrMldGrpSrcSummFwdHosts)	long	vRtrMldGrpSrcSummFwdHosts indicates the number of hosts having this Group/Source combination in the forwarding list.
fwdInterfaces [Fwd Interfaces] (vRtrMldGrpSrcSummFwdInterfaces)	long	vRtrMldGrpSrcSummFwdInterfaces indicates the number of interfaces having this Group/Source combination in the forwarding list.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>GrpInterfaceSapStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Supports realtime plotting Supports scheduled collection Monitored class: mld.GrpInterfaceSap</p>		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fwdServiceId [Fwd Service Id] (vRtrIfFwdSvcId)	long	The value of vRtrIfFwdSvcId specifies the forwarding service ID for a subscriber interface in a retailer context.
groupIfIndex [Group If Index] (vRtrGrpIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrGrpIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrGrpIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
importPolicyDrops [Import Policy Drops] (vRtrMldGrpIfSapImportPlcyDrops)	long	The value of vRtrMldGrpIfSapImportPlcyDrops indicates the total number of times MLD protocol instance matched the host IP address or group/source addresses specified in the import policy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrMldGrpIfSapStatsMcacPlcyDrp)	long	The value of the object vRtrMldGrpIfSapStatsMcacPlcyDrp indicates the number times an MLD Group is dropped because of applying a multicast CAC policy for this SAP.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldGrpIfSapRxBadChksumPkts)	long	The value of vRtrMldGrpIfSapRxBadChksumPkts indicates the total number of MLD packets with bad checksum received for this SAP.
rxBadEncodings [Rx Bad Encodings] (vRtrMldGrpIfSapRxBadEncodings)	long	The value of vRtrMldGrpIfSapRxBadEncodings indicates the total number of MLD packets received for this SAP which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldGrpIfSapRxBadLenPkts)	long	The value of vRtrMldGrpIfSapRxBadLenPkts indicates the total number of MLD packets with bad length received for this SAP.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldGrpIfSapRxBadRecvIfPkts)	long	The value of vRtrMldGrpIfSapRxBadRecvIfPkts indicates the total number of MLD packets incorrectly received for this SAP.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrMldGrpIfSapRxGenQueries)	long	The value of vRtrMldGrpIfSapRxGenQueries indicates the total number of MLD General Queries received for this SAP.
rxGrpQueries [Rx Grp Queries] (vRtrMldGrpIfSapRxGrpQueries)	long	The value of vRtrMldGrpIfSapRxGrpQueries indicates the number of MLD Group Specific Queries received for this SAP.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldGrpIfSapRxGrpSrcQueries)	long	The value of vRtrMldGrpIfSapRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received for this SAP.
rxLeaves [Rx Leaves] (vRtrMldGrpIfSapRxLeaves)	long	The value of vRtrMldGrpIfSapRxLeaves indicates the total number of MLD Leaves received for this SAP.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldGrpIfSapRxLocalScopePkts)	long	The value of the object vRtrMldGrpIfSapRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldGrpIfSapRxNoRtrAlertPkts)	long	The value of vRtrMldGrpIfSapRxNoRtrAlertPkts indicates the total number of MLDv2 packets received for this SAP which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldGrpIfSapRxNonLocal)	long	The value of vRtrMldGrpIfSapRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldGrpIfSapRxPktDrops)	long	The value of vRtrMldGrpIfSapRxPktDrops indicates the total number of MLD packets that were received for this SAP but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldGrpIfSapRxRsvdScopePkts)	long	The value of the object vRtrMldGrpIfSapRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv4 multicast address.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldGrpIfSapRxUnknTypePkts)	long	The value of vRtrMldGrpIfSapRxUnknTypePkts indicates the total number of MLD packets with unknown type received for this SAP.
rxV1Reports [Rx V1 Reports] (vRtrMldGrpIfSapRxV1Reports)	long	The value of vRtrMldGrpIfSapRxV1Reports indicates the total number of MLD V1 Reports received for this SAP.
rxV2Reports [Rx V2 Reports] (vRtrMldGrpIfSapRxV2Reports)	long	The value of vRtrMldGrpIfSapRxV2Reports indicates the total number of MLD V2 Reports received for this SAP.
rxWrongVersions [Rx Wrong Versions] (vRtrMldGrpIfSapRxWrongVersions)	long	The value of vRtrMldGrpIfSapRxWrongVersions indicates the total number of MLD packets with wrong versions received for this SAP.
sgTypes [Sg Types] (vRtrMldGrpIfSapStatsSGTypes)	long	The value of vRtrMldGrpIfSapStatsSGTypes indicates the number of entries for this SAP for which the source type is 'sg'.
starGTypes [Star GTypes] (vRtrMldGrpIfSapStatsStarGTypes)	long	vRtrMldGrpIfSapStatsStarGTypes indicates the number of entries for this SAP for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldGrpIfSapTxErrors)	long	The value of vRtrMldGrpIfSapTxErrors indicates the total number of times there was an error transmitting MLD packets for this SAP.
txGenQueries [Tx Gen Queries] (vRtrMldGrpIfSapTxGenQueries)	long	The value of vRtrMldGrpIfSapTxGenQueries indicates the number of MLD General Queries transmitted for this SAP.
txGrpQueries [Tx Grp Queries] (vRtrMldGrpIfSapTxGrpQueries)	long	The value of vRtrMldGrpIfSapTxGrpQueries indicates the number of MLD Group Specific Queries transmitted for this SAP.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldGrpIfSapTxGrpSrcQueries)	long	The value of vRtrMldGrpIfSapTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted for this SAP.
txLeaves [Tx Leaves] (vRtrMldGrpIfSapTxLeaves)	long	The value of vRtrMldGrpIfSapTxLeaves indicates the total number of MLD Leaves transmitted for this SAP.
txV1Reports [Tx V1 Reports] (vRtrMldGrpIfSapTxV1Reports)	long	The value of vRtrMldGrpIfSapTxV1Reports indicates the total number of MLD V1 Reports transmitted for this SAP.
txV2Reports [Tx V2 Reports] (vRtrMldGrpIfSapTxV2Reports)	long	The value of vRtrMldGrpIfSapTxV2Reports indicates the total number of MLD V2 Reports transmitted for this SAP.
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MldHostStats</p> <p>MIB entry name: vRtrMldHostStatsEntry</p> <p>Entry description: An entry in the vRtrMldHostStatsTable.</p> <p>Table description (for vRtrMldHostStatsTable): The table listing the MLD statistics for a particular host.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mld.MldHost</p>		
importPolicyDrops [Import Policy Drops] (vRtrMldHostImportPolicyDrops)	long	The value of vRtrMldHostImportPolicyDrops indicates the total number of times MLD protocol instance matched the host IP address or group/source addresses specified in the import policy.
ipAddrType [Ip Addr Type] (vRtrMldHostAddressType)	int	The value of vRtrMldHostAddressType indicates the type of address to be used for vRtrMldHostAddress.
ipAddress [Ip Address] (vRtrMldHostAddress)	String	The IP host address for which this entry contains information.
macAddress [Mac Address] (vRtrMldHostMacAddress)	String	The value of vRtrMldHostMacAddress specifies the MAC address of this subscriber host.
mcacPolicyDrops [Mcac Policy Drops] (vRtrMldHostStatsMcacPolicyDrops)	long	The value of the object vRtrMldHostStatsMcacPolicyDrops indicates the number times an MLD Group is dropped because of applying a multicast CAC policy for this host.
pppoeSessionId [Pppoe Session Id] (vRtrMldHostPppoeSessionId)	long	The value of vRtrMldHostPppoeSessionId specifies the PPPoE session id of this subscriber host.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
redirectionDrops [Redirection Drops] (vRtrMldHostRedirectionDrops)	long	The value of the object vRtrMldHostRedirectionDrops indicates the number times an MLD Group is dropped because of a failure while applying a redirection policy for this host.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldHostRxBadChecksumPkts)	long	The value of vRtrMldHostRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received for this host.
rxBadEncodings [Rx Bad Encodings] (vRtrMldHostRxBadEncodings)	long	The value of vRtrMldHostRxBadEncodings indicates the total number of MLD packets received for this host which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldHostRxBadLenPkts)	long	The value of vRtrMldHostRxBadLenPkts indicates the total number of MLD packets with bad length received for this host.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldHostRxBadReceiveIfPkts)	long	The value of vRtrMldHostRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received for this host.
rxGenQueries [Rx Gen Queries] (vRtrMldHostRxGenQueries)	long	The value of vRtrMldHostRxGenQueries indicates the total number of MLD General Queries received for this host.
rxGrpQueries [Rx Grp Queries] (vRtrMldHostRxGrpQueries)	long	The value of vRtrMldHostRxGrpQueries indicates the number of MLD Group Specific Queries received for this host.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldHostRxGrpSrcQueries)	long	The value of vRtrMldHostRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received for this host.
rxLeaves [Rx Leaves] (vRtrMldHostRxLeaves)	long	The value of vRtrMldHostRxLeaves indicates the total number of MLD Leaves received for this host.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldHostRxLocalScopePkts)	long	The value of the object vRtrMldHostRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv4 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldHostRxNoRtrAlertPkts)	long	The value of vRtrMldHostRxNoRtrAlertPkts indicates the total number of MLDv2 packets received for this host which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldHostRxNonLocal)	long	The value of vRtrMldHostRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldHostRxPktDrops)	long	The value of vRtrMldHostRxPktDrops indicates the total number of MLD packets that were received for this host but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldHostRxRsvdScopePkts)	long	The value of the object vRtrMldHostRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv4 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldHostRxUnknownTypePkts)	long	The value of vRtrMldHostRxUnknownTypePkts indicates the total number of MLD packets with unknown type received for this host.
rxV1Reports [Rx V1 Reports] (vRtrMldHostRxV1Reports)	long	The value of vRtrMldHostRxV1Reports indicates the total number of MLD V1 Reports received for this host.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrMldHostRxV2Reports)	long	The value of vRtrMldHostRxV2Reports indicates the total number of MLD V2 Reports received for this host.
rxWrongVersions [Rx Wrong Versions] (vRtrMldHostRxWrongVersions)	long	The value of vRtrMldHostRxWrongVersions indicates the total number of MLD packets with wrong versions received for this host.
sgTypes [Sg Types] (vRtrMldHostStatsSGTypes)	long	The value of vRtrMldHostStatsSGTypes indicates the number of entries for this host for which the source type is 'sg'.
starGTypes [Star GTypes] (vRtrMldHostStatsStarGTypes)	long	vRtrMldHostStatsStarGTypes indicates the number of entries for this host for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldHostTxErrors)	long	The value of vRtrMldHostTxErrors indicates the total number of times there was an error transmitting MLD packets for this host.
txGenQueries [Tx Gen Queries] (vRtrMldHostTxGenQueries)	long	The value of vRtrMldHostTxGenQueries indicates the number of MLD General Queries transmitted for this host.
txGrpQueries [Tx Grp Queries] (vRtrMldHostTxGrpQueries)	long	The value of vRtrMldHostTxGrpQueries indicates the number of MLD Group Specific Queries transmitted for this host.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldHostTxGrpSrcQueries)	long	The value of vRtrMldHostTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted for this host.
txLeaves [Tx Leaves] (vRtrMldHostTxLeaves)	long	The value of vRtrMldHostTxLeaves indicates the total number of MLD Leaves transmitted for this host.

Table 553 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV1Reports [Tx V1 Reports] (vRtrMldHostTxV1Reports)	long	The value of vRtrMldHostTxV1Reports indicates the total number of MLD V1 Reports transmitted for this host.
txV2Reports [Tx V2 Reports] (vRtrMldHostTxV2Reports)	long	The value of vRtrMldHostTxV2Reports indicates the total number of MLD V2 Reports transmitted for this host.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 554 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats MIB entry name: vRtrMplsLspPathStatEntry Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Supports realtime plotting Supports scheduled collection Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
S2LPathStats MIB entry name: vRtrMplsS2lSubLspStatEntry Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.S2LPath		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 554 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 555 mplsTp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathMepStats</p> <p>MIB entry name: vRtrMplsTpLspPtPathMepStatEntry</p> <p>Entry description: The vRtrMplsTpLspPathMepEntry represents a Maintenance Endpoint for a MPLS-TP LSP protection Path. Rows are created and destroyed by the system based on the configuration of the MEP protection-type.</p> <p>Table description (for vRtrMplsTpLspPtPathMepStatTable): The vRtrMplsTpLspPtPathMepStatTable maintains the Maintenance End Points (MEPs) statistics for MPLS-TP LSP protection paths.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mplsTp.PathMep</p>		
wtrTimer [Wtr Timer] (vRtrMplsTpLspPtPathMepWTRTimer)	long	The value of vRtrMplsTpLspPtPathMepWTRTimer indicates the remaining Wait-To-Restore time, in seconds, before the protection path can switch back to the working path. A value of zero (0) indicates that there is no WTR timer in effect.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsTp.Site</p>		
mplsTpLspOriginate [Mpls Tp Lsp Originate] (vRtrMplsGenMplsTpLspOriginate)	long	The value of vRtrMplsGenMplsTpLspOriginate indicates the number of MPLS TP LSPs that originate at this virtual router.
mplsTpLspTerminate [Mpls Tp Lsp Terminate] (vRtrMplsGenMplsTpLspTerminate)	long	The value of vRtrMplsGenMplsTpLspTerminate indicates the number of MPLS TP LSPs that terminate at this virtual router.

Table 555 mplsTp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsTpLspTransit [Mpls Tp Lsp Transit] (vRtrMplsGenMplsTpLspTransit)	long	The value of vRtrMplsGenMplsTpLspTransit indicates the number of MPLS TP LSPs that transit through this virtual router.
mplsTpOrigPathInst [Mpls Tp Orig Path Inst] (vRtrMplsGenMplsTpOrigPathInst)	long	The value of vRtrMplsGenMplsTpOrigPathInst indicates the number of MPLS TP LSPs originate path instances.
mplsTpTermPathInst [Mpls Tp Term Path Inst] (vRtrMplsGenMplsTpTermPathInst)	long	The value of vRtrMplsGenMplsTpTermPathInst indicates the number of MPLS TP LSPs terminated path instances.
mplsTpTranPathInst [Mpls Tp Tran Path Inst] (vRtrMplsGenMplsTpTranPathInst)	long	The value of vRtrMplsGenMplsTpTranPathInst indicates the number of MPLS TP LSPs transit path instances.
TpLspEgressStats MIB entry name: vRtrMplsLspStatisticsEntry Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored class: mplsTp.TPLsp		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.

Table 555 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.

Table 555 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.

Table 555 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.

Table 555 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 555 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TpLspGeneralStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.

Table 555 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by $(vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) \%$.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>TpLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		

Table 555 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 555 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 555 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 555 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 555 mplsstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 556 msdp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMsdpPeerStatsEntry</p> <p>Entry description: tmnxMsdpPeerStatsEntry is an entry (conceptual row) in the tmnxMsdpPeerStatsTable. Each entry represents a MSDP peer related statistics information.</p> <p>Table description (for tmnxMsdpPeerStatsTable): The table tmnxMsdpPeerStatsTable is the statistics information related to a MSDP peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • msdp.GroupPeer • msdp.Peer 		
errorMsgsReceived [Error Msgs Received] (tmnxMsdpPeerStatsErrorMsgsRecvd)	long	The value of tmnxMsdpPeerStatsErrorMsgsRecvd indicates number of error messages received.
keepAliveMsgsReceived [Keep Alive Msgs Received] (tmnxMsdpPeerStatsKAMsgsRecvd)	long	The value of tmnxMsdpPeerStatsKAMsgsRecvd indicates the number of keep-alive messages received.
keepAliveMsgsSent [Keep Alive Msgs Sent] (tmnxMsdpPeerStatsKAMsgsSent)	long	The value of tmnxMsdpPeerStatsKAMsgsSent indicates the number of keep-alive messages sent.
lastMsgPeer [Last Msg Peer] (tmnxMsdpPeerStatsLastMsgPeer)	long	The value of tmnxMsdpPeerStatsLastMsgPeer indicates how long ago the last message was received from this peer instance.
lastStateChange [Last State Change] (tmnxMsdpPeerStatsLastStChange)	long	The value of tmnxMsdpPeerStatsLastStChange indicates how long ago the peer state changed.

Table 556 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTimeouts [Peer Timeouts] (tmnxMsdpPeerStatsPeerTimeouts)	long	The value of tmnxMsdpPeerStatsPeerTimeouts indicates the number of peer timeouts.
remoteCloses [Remote Closes] (tmnxMsdpPeerStatsRemoteCloses)	long	The value of tmnxMsdpPeerStatsRemoteCloses indicates the number of times the remote peer closed.
reservedMsgsReceived [Reserved Msgs Received] (tmnxMsdpPeerStatsResvMsgsRcvd)	long	The value of tmnxMsdpPeerStatsResvMsgsRcvd indicates the number of MSDP messages received with type 'Reserved'.
rpfFailures [Rpf Failures] (tmnxMsdpPeerStatsRPFFailures)	long	The value of tmnxMsdpPeerStatsRPFFailures indicates number of reverse path forwarding (RPF) failures.
saLearned [Sa Learned] (tmnxMsdpPeerStatsSALearnt)	long	The value of tmnxMsdpPeerStatsSALearnt indicates the number of unique source active entries in the cache learned from the peer.
saLimitExceeded [Sa Limit Exceeded] (tmnxMsdpPeerStatsActSrcLimExcd)	long	The value of tmnxMsdpPeerStatsActSrcLimExcd indicates the number of times the global active source limit has been exceeded by this peer instance.
saMsgsReceived [Sa Msgs Received] (tmnxMsdpPeerStatsSAMsgsRcvd)	long	The value of tmnxMsdpPeerStatsSAMsgsRcvd indicates the number of source-active messages received.
saMsgsSent [Sa Msgs Sent] (tmnxMsdpPeerStatsSAMsgsSent)	long	The value of tmnxMsdpPeerStatsSAMsgsSent indicates the number of source-active messages sent.
saRejectExportPolicy [Sa Reject Export Policy] (tmnxMsdpPeerStatsSARejImpPolicy)	long	The value of tmnxMsdpPeerStatsSARejImpPolicy indicates the number of source active messages from the peer that were rejected due to import policy.

Table 556 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saRejectImportPolicy [Sa Reject Import Policy] (tmnxMsdpPeerStatsSARejExpPolicy)	long	The value of tmnxMsdpPeerStatsSARejExpPolicy indicates the number of source active messages from the peer that were not sent due to export policy.
saRequestMsgsReceived [Sa Request Msgs Received] (tmnxMsdpPeerStatsSAReqMsgsRecvd)	long	The value of tmnxMsdpPeerStatsSAReqMsgsRecvd indicates the number of source-active request messages received.
saRequestMsgsSent [Sa Request Msgs Sent] (tmnxMsdpPeerStatsSAReqMsgsSent)	long	The value of tmnxMsdpPeerStatsSAReqMsgsSent indicates the number of source-active request messages sent.
saResponseMsgsReceived [Sa Response Msgs Received] (tmnxMsdpPeerStatsSAResMsgsRecvd)	long	The value of tmnxMsdpPeerStatsSAResMsgsRecvd indicates the number of source-active response messages received.
saResponseMsgsSent [Sa Response Msgs Sent] (tmnxMsdpPeerStatsSAResMsgsSent)	long	The value of tmnxMsdpPeerStatsSAResMsgsSent indicates the number of source-active response messages sent.
unknownMsgsReceived [Unknown Msgs Received] (tmnxMsdpPeerStatsUnknMsgsRecvd)	long	The value of tmnxMsdpPeerStatsUnknMsgsRecvd indicates the number of unknown messages received.

Table 557 multicast statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastCacChannelServiceStats</p> <p>MIB entry name: tmnxMcacServStatsEntry</p> <p>Entry description: An entry in the tmnxMcacServStatsTable</p> <p>Table description (for tmnxMcacServStatsTable): The tmnxMcacServStatsTable has an entry for each service protocol (igmp-snooping on sap/sdp) channel that was either accepted/discarded by the applied multicast cac policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacServStatsAction)	int	The value of tmnxMcacServStatsAction indicates the action specified by the mcac policy for the service application to act upon.
algorithmReapply [Algorithm Reapply] (tmnxMcacServStatsAlgoReapply)	boolean	The value of tmnxMcacServStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the service application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacServStatsBundleAvailBW)	long	The value of tmnxMcacServStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
channelBw [Channel Bw] (tmnxMcacServStatsChannelBW)	long	The value of tmnxMcacServStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the service application.
channelRequestCount [Channel Request Count] (tmnxMcacServStatsApplyAttempts)	long	The value of tmnxMcacServStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the service application.
channelType [Channel Type] (tmnxMcacServStatsChannelType)	int	The value of tmnxMcacServStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the service application.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encapValueOrVcId [Encap Value Or VcId] (tmnxMcacServStatsEncapValue)	String	The value of tmnxMcacServStatsEncapValue indicates the SAP/SDP Encap value of which the mcac policy is applied.
interfaceAvailBw [Interface Avail Bw] (tmnxMcacServStatsIntfAvailBW)	long	The value of tmnxMcacServStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
portIdOrTunnelId [Port Id Or Tunnel Id] (tmnxMcacServStatsPortId)	String	The value of tmnxMcacServStatsPortId indicates the port Id of the SAP/SDP on which the mcac policy is applied.
reason [Reason] (tmnxMcacServStatsReason)	int	The value of tmnxMcacServStatsReason indicates the reason for the action specified by the mcac policy for the service application to act upon.
timeStamp [Time Stamp] (tmnxMcacServStatsTimeStamp)	long	The value of tmnxMcacServStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
McastCacChannelStats MIB entry name: tmnxMcacStatsEntry Entry description: An entry in the tmnxMcacStatsTable Table description (for tmnxMcacStatsTable): The tmnxMcacStatsTable has an entry for each protocol interface channel that was either accepted/discarded by the applied multicast cac policy. This table is deprecated and replaced by tmnxMcacStatsNgTable. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
action [Action] (tmnxMcacStatsAction)	int	The value of tmnxMcacStatsAction indicates the action specified by the mcac policy for the application interface to act upon.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
algorithmReapply [Algorithm Reapply] (tmnxMcacStatsAlgoReapply)	boolean	The value of tmnxMcacStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacStatsBundleAvailBW)	long	The value of tmnxMcacStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
bundleName [Bundle Name] (tmnxMcacStatsBundleName)	String	The value of tmnxMcacStatsBundleName indicates the name of the multicast CAC policy bundle. The value of tmnxMcacStatsBundleName could be an empty string, meaning that this particular statistics entry's channel did not belong to any bundle in the policy.
channelAddress [Channel Address] (tmnxMcacStatsChlAddr)	String	The value of tmnxMcacStatsChlAddr indicates the address of the multicast channel that mcac policy was applied upon when requested by the application interface. Address type is indicated by tmnxMcacStatsChlAddrType.
channelAddressType [Channel Address Type] (tmnxMcacStatsChlAddrType)	int	The value of tmnxMcacStatsChlAddrType indicates the address type of tmnxMcacStatsChlAddr.
channelBw [Channel Bw] (tmnxMcacStatsChannelBW)	long	The value of tmnxMcacStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the application interface.
channelRequestCount [Channel Request Count] (tmnxMcacStatsApplyAttempts)	long	The value of tmnxMcacStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the application.
channelType [Channel Type] (tmnxMcacStatsChannelType)	int	The value of tmnxMcacStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the application interface.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interfaceAvailBw [Interface Avail Bw] (tmnxMcacStatsIntfAvailBW)	long	The value of tmnxMcacStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
interfaceId [Interface Id] (tmnxMcacStatsIfIndex)	long	The value of tmnxMcacStatsIfIndex indicates the application interface index that has applied mcac policy.
protocolName [Protocol Name] (tmnxMcacStatsProtocolIndex)	int	The value of tmnxMcacStatsProtocolIndex indicates the application that has applied mcac policy.
reason [Reason] (tmnxMcacStatsReason)	int	The value of tmnxMcacStatsReason indicates the reason for the action specified by the mcac policy for the application interface to act upon.
timeStamp [Time Stamp] (tmnxMcacStatsTimeStamp)	long	The value of tmnxMcacStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
McastCacOper MIB entry name: tmnxMcacOperEntry Entry description: An entry in the tmnxMcacOperTable Table description (for tmnxMcacOperTable): The tmnxMcacOperTable has an entry for each protocol interface that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacOperActiveChannels)	long	The value of tmnxMcacOperActiveChannels indicates the number of active channels for this entry.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availMandBw [Avail Mand Bw] (tmnxMcacOperAvailMandBw)	long	The value of tmnxMcacOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacOperAvailOptnlBw)	long	The value of tmnxMcacOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
currConstrtlvl [Curr Constrt Lvl] (tmnxMcacOperCurrConstrtlvl)	long	The value of tmnxMcacOperCurrConstrtlvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacOperInUseMandBw)	long	The value of tmnxMcacOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacOperInUseOptnlBw)	long	The value of tmnxMcacOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this protocol interface instance.
maxBw [Max Bw] (tmnxMcacOperMaxBw)	long	The value of tmnxMcacOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
portsDown [Ports Down] (tmnxMcacOperPortsDown)	long	The value of tmnxMcacOperPortsDown indicates the the number of ports down on the application interface. This value is used to index the table tmnxMcacLagTable to get the bundle level id.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
valuesInTransit [Values In Transit] (tmnxMcacOperValuesInTransit)	boolean	The value of tmnxMcacOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacOperAvailOptnlBw tmnxMcacOperAvailMandBw tmnxMcacOperInUseMandBw tmnxMcacOperInUseOptnlBw When Multicast CAC Policy is applied on the interface for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacOperValuesInTransit will be set to 'false'. If the value of tmnxMcacOperValuesInTransit is 'true' then the values are in transition.
McastCacServOperStats MIB entry name: tmnxMcacServOperEntry Entry description: An entry in the tmnxMcacServOperTable Table description (for tmnxMcacServOperTable): The tmnxMcacServOperTable has an entry for each service application (igmp-snooping on sap/sdp) that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy		
activeChannels [Active Channels] (tmnxMcacServOperActiveChannels)	long	The value of tmnxMcacServOperActiveChannels indicates the number of active channels for this entry.
availMandBw [Avail Mand Bw] (tmnxMcacServOperAvailMandBw)	long	The value of tmnxMcacServOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacServOperAvailOptnlBw)	long	The value of tmnxMcacServOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currConstrLvl [Curr Constrt Lvl] (tmnxMcacServOperCurrConstrLvl)	long	The value of tmnxMcacServOperCurrConstrLvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacServOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacServOperInUseMandBw)	long	The value of tmnxMcacServOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacServOperInUseOptnlBw)	long	The value of tmnxMcacServOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this service application on sap/sdp instance.
maxBw [Max Bw] (tmnxMcacServOperMaxBw)	long	The value of tmnxMcacServOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.
portsDown [Ports Down] (tmnxMcacServOperPortsDown)	long	The value of tmnxMcacServOperPortsDown indicates the the number of ports down on the service application on sap/sdp. This value is used to index the table tmnxMcacLagTable to get the bundle level id.
valuesInTransit [Values In Transit] (tmnxMcacServOperValuesInTransit)	boolean	The value of tmnxMcacServOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacServOperAvailOptnlBw tmnxMcacServOperAvailMandBw tmnxMcacServOperInUseMandBw tmnxMcacServOperInUseOptnlBw When Multicast CAC Policy is applied on the sap/sdp for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacServOperValuesInTransit will be set to 'false'. If the value of tmnxMcacServOperValuesInTransit is 'true' then the values are in transition.

Table 557 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastReportDestinationStats</p> <p>MIB entry name: tmnxMcPathRprtDestEntry</p> <p>Entry description: Each row entry represents a particular multicast reporting destination. Entries are created/deleted by the user.</p> <p>Table description (for tmnxMcPathRprtDestTable): The tmnxMcPathRprtDestTable has an entry for each multicast reporting destination configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastReportDestination</p>		
framesLost [Frames Lost] (tmnxMcPathRprtDestFrmsLost)	long	The value of tmnxMcPathRprtDestFrmsLost specifies the number of frames lost for this mcast reporting destination.
framesSent [Frames Sent] (tmnxMcPathRprtDestFrmsSent)	long	The value of tmnxMcPathRprtDestFrmsSent specifies the number of frames sent to this mcast reporting destination.
recordsLost [Records Lost] (tmnxMcPathRprtDestRecsLost)	long	The value of tmnxMcPathRprtDestRecsLost specifies the number of records lost for this mcast reporting destination.
recordsSent [Records Sent] (tmnxMcPathRprtDestRecsSent)	long	The value of tmnxMcPathRprtDestRecsSent specifies the number of records sent to this mcast reporting destination.

Table 558 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McEPPeerStats</p> <p>MIB entry name: tmnxMcEPPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcEPPeerStatsTable): The tmnxMcEPPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisEndpoint</p>		
configPacketsReceived [Config Packets Received] (tmnxMcEPPeerStatsPktsRxConfig)	long	The value of tmnxMcEPPeerStatsPktsRxConfig indicates how many valid MC-Endpoint control packets of type end-point config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcEPPeerStatsDropMD5)	long	The value of tmnxMcEPPeerStatsDropMD5 indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcEPPeerStatsPktsTxFailed)	long	The value of tmnxMcEPPeerStatsPktsTxFailed indicates how many MC-Endpoint control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlId)	long	The value of tmnxMcEPPeerStatsDropTlvInvlId indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis end-point.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlSz)	long	The value of tmnxMcEPPeerStatsDropTlvInvlSz indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet size was invalid.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcEPPeerStatsPktsRxKpalive)	long	The value of tmnxMcEPPeerStatsPktsRxKpalive indicates how many valid MC-Endpoint control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcEPPeerStatsPktsTxKpalive)	long	The value of tmnxMcEPPeerStatsPktsTxKpalive indicates how many MC-Endpoint control packets of type keepalive were transmitted from this system to the peer.
noEpPeerPacketsDropped [No Ep Peer Packets Dropped] (tmnxMcEPPeerStatsDropEpNoPeer)	long	The value of tmnxMcEPPeerStatsDropEpNoPeer indicates how many pkts were dropped because MC-Endpoint does not have a MC-peer assigned yet or MC-Endpoint is attached to a different peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcEPPeerStatsDropOutOfSeq)	long	The value of tmnxMcEPPeerStatsDropOutOfSeq indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcEPPeerStatsPktsRx)	long	The value of tmnxMcEPPeerStatsPktsRx indicates how many valid MC-Endpoint control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcEPPeerStatsPktsTx)	long	The value of tmnxMcEPPeerStatsPktsTx indicates how many MC-Endpoint control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcEPPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsRxPeerCfg indicates how many valid MC-Endpoint control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcEPPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsTxPeerCfg indicates how many MC-Endpoint control packets of type peer config were transmitted from this system to the peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcEPPeerStatsDropStateDsblld)	long	The value of tmnxMcEPPeerStatsDropStateDsblld indicates how many MC-Endpoint control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcEPPeerStatsPktsRxState)	long	The value of tmnxMcEPPeerStatsPktsRxState indicates how many valid MC-Endpoint control packets of type end-point state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcEPPeerStatsDropPktTooShrt)	long	The value of tmnxMcEPPeerStatsDropPktTooShrt indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcEPPeerStatsDropUnknownTlv)	long	The value of tmnxMcEPPeerStatsDropUnknownTlv indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>McPeerIPSecTunnelGroupStats MIB entry name: tMcPeerTnlGrpStatEntry Entry description: Each row entry represents a particular ipsec tunnel statistics group of multi-chassis peer. Table description (for tMcPeerTnlGrpStatTable): The tMcPeerTnlGrpStatTable has statistics entry for each ipsec tunnel group specific to multi-chassis peer configured on this system. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.McPeerIPSecTunnelGroup</p>		
dynamicAwaitConf [Dynamic Await Conf] (tMcPeerTnlGrpStatDynAwaitConf)	long	The value of tMcPeerTnlGrpStatDynAwaitConf indicates the number of dynamic multi-chassis tunnel awaiting configuration on this tunnel-group to be synchronized on this multi-chassis peer.
dynamicFailed [Dynamic Failed] (tMcPeerTnlGrpStatDynFailed)	long	The value of tMcPeerTnlGrpStatDynFailed indicates the number of dynamic multi-chassis tunnel failed to install on this tunnel-group to be synchronized on this multi-chassis peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynamicInstalled [Dynamic Installed] (tMcPeerTnlGrpStatDynInstalled)	long	The value of tMcPeerTnlGrpStatDynInstalled indicates the number of dynamic multi-chassis tunnel installed on this tunnel-group to be synchronized on this multi-chassis peer.
dynamicInstalling [Dynamic Installing] (tMcPeerTnlGrpStatDynInstalling)	long	The value of tMcPeerTnlGrpStatDynInstalled indicates the number of dynamic multi-chassis tunnel being installed on this tunnel-group to be synchronized on this multi-chassis peer.
staticAwaitConf [Static Await Conf] (tMcPeerTnlGrpStatAwaitConf)	long	The value of tMcPeerTnlGrpStatAwaitConf indicates the number of static multi-chassis tunnel awaiting configuration on this tunnel-group to be synchronized on this multi-chassis peer.
staticFailed [Static Failed] (tMcPeerTnlGrpStatFailed)	long	The value of tMcPeerTnlGrpStatFailed indicates the number of static multi-chassis tunnel failed to install on this tunnel-group to be synchronized on this multi-chassis peer.
staticInstalled [Static Installed] (tMcPeerTnlGrpStatInstalled)	long	The value of tMcPeerTnlGrpStatInstalled indicates the number of static multi-chassis tunnel installed on this tunnel-group to be synchronized on this multi-chassis peer.
staticInstalling [Static Installing] (tMcPeerTnlGrpStatInstalling)	long	The value of tMcPeerTnlGrpStatInstalled indicates the number of static multi-chassis tunnel being installed on this tunnel-group to be synchronized on this multi-chassis peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McWppPeerStats</p> <p>MIB entry name: tmnxMcWppPeerStatsEntry</p> <p>Entry description: Each conceptual row represents multi-chassis WPP peer statistics of a specific instance. Entries in this table are created and destroyed by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxMcWppPeerStatsTable): The tmnxMcWppPeerStatsTable shows multi-chassis WPP peer statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
noResources [No Resources] (tmnxMcWppPeerStatsVal)	long	The value of the object tmnxMcWppPeerStatsVal indicates the value of the statistics contained in this conceptual row.
statsInstance [Stats Instance] (tmnxMcWppPeerStatsInstance)	long	The value of the object tmnxMcWppPeerStatsInstance indicates the instance identifier of the statistics contained in this conceptual row.
<p>McsClientAppStats</p> <p>MIB entry name: tmnxMcsClientAppEntry</p> <p>Entry description: Each row entry represents a particular multi-chassis peer synchronization protocol application. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcsClientAppTable): The tmnxMcsClientAppTable has an entry for each application using the multi-chassis peer synchronization protocol configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
alarmedEntries [Alarmed Entries] (tmnxMcsClientAlarmedEntries)	long	The value of tmnxMcsClientAlarmedEntries indicates the number of alarmed entries in the MCS database per multi-chassis peer for a particular application. Entries with an alarm are entries that are not being used by the local client application due to resource constraints.
application [Application] (tmnxMcsClientApplication)	int	The value of tmnxMcsClientApplication indicates the type of application using multi-chassis synchronization.
lclDeletedEntries [Lcl Deleted Entries] (tmnxMcsClientLclDeletedEntries)	long	The value of tmnxMcsClientLclDeletedEntries indicates the number of locally deleted entries in the MCS database per multi-chassis peer for a particular application. Locally deleted entries are entries that are not being used by the local MCS client application.
numEntries [Num Entries] (tmnxMcsClientNumEntries)	long	The value of tmnxMcsClientNumEntries indicates the total number of entries in the MCS database per multi-chassis peer for a particular application.
omcrAlarmedEntries [Omcr Alarmed Entries] (tmnxMcsClientOmcrAlarmed)	long	The value of tmnxMcsClientOmcrAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries in the MCS database of this multi-chassis peer for this particular application.
omcrStandbyEntries [Omcr Standby Entries] (tmnxMcsClientOmcrStandby)	long	The value of tmnxMcsClientOmcrStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries in the MCS database of this multi-chassis peer for this particular application.
remAlarmedEntries [Rem Alarmed Entries] (tmnxMcsClientRemAlarmedEntries)	long	The value of tmnxMcsClientRemAlarmedEntries indicates the number of alarmed entries in the MCS database on the multi-chassis peer for a particular application. Entries with an alarm are entries that are not being used by the remote client application due to resource constraints.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remLclDelEntries [Rem Lcl Del Entries] (tmnxMcsClientRemLclDelEntries)	long	The value of tmnxMcsClientRemLclDelEntries indicates the number of locally deleted entries in the MCS database on the multi-chassis peer for a particular application. Locally deleted entries are entries that are not being used by the remote MCS client application.
remNumEntries [Rem Num Entries] (tmnxMcsClientRemNumEntries)	long	The value of tmnxMcsClientRemNumEntries indicates the total number of entries in the MCS database on the multi-chassis peer for a particular application.
remOmcrAlarmedEntries [Rem Omcr Alarmed Entries] (tmnxMcsClientOmcrRemAlarmed)	long	The value of tmnxMcsClientOmcrRemAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries for this particular application reported by the remote MCR system.
remOmcrStandbyEntries [Rem Omcr Standby Entries] (tmnxMcsClientOmcrRemStandby)	long	The value of tmnxMcsClientOmcrRemStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries for this particular application reported by the remote MCR system.
<p>McsStatusStats</p> <p>MIB entry name: tmnxMcPeerSyncEntry</p> <p>Entry description: Each row entry represents a particular multi-chassis peer synchronization protocol. Entries are create/deleted by the user.</p> <p>Table description (for tmnxMcPeerSyncTable): The tmnxMcPeerSyncTable has an entry for each multi-chassis peer synchronization protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
alarmedEntries [Alarmed Entries] (tmnxMcPeerSyncAlarmedEntries)	long	The value of tmnxMcPeerSyncAlarmedEntries indicates the number of alarmed entries in the MCS database per multi-chassis peer. Entries with an alarm are entries that are not being used by the local client application due to resource constraints.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lclDeletedEntries [Lcl Deleted Entries] (tmnxMcPeerSyncLclDeletedEntries)	long	The value of tmnxMcPeerSyncLclDeletedEntries indicates the number of locally deleted entries in the MCS database per multi-chassis peer. Locally deleted entries are entries that are not being used by the local MCS client application.
numEntries [Num Entries] (tmnxMcPeerSyncNumEntries)	long	The value of tmnxMcPeerSyncNumEntries indicates the total number of entries in the MCS database per multi-chassis peer.
omcrAlarmedEntries [Omcr Alarmed Entries] (tmnxMcPeerSyncOmcrAlarmed)	long	The value of tmnxMcPeerSyncOmcrAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries in the MCS database of this multi-chassis peer.
omcrStandbyEntries [Omcr Standby Entries] (tmnxMcPeerSyncOmcrStandby)	long	The value of tmnxMcPeerSyncOmcrStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries in the MCS database of this multi-chassis peer.
remAlarmedEntries [Rem Alarmed Entries] (tmnxMcPeerSyncRemAlarmedEntries)	long	The value of tmnxMcPeerSyncRemAlarmedEntries indicates the number of alarmed entries in the MCS database of the multi-chassis peer. Entries with an alarm are entries that are not being used by the remote client application due to resource constraints.
remLclDelEntries [Rem Lcl Del Entries] (tmnxMcPeerSyncRemLclDelEntries)	long	The value of tmnxMcPeerSyncRemLclDelEntries indicates the number of locally deleted entries in the MCS database of the multi-chassis peer. Locally deleted entries are entries that are not being used by the remote MCS client application.
remNumEntries [Rem Num Entries] (tmnxMcPeerSyncRemNumEntries)	long	The value of tmnxMcPeerSyncRemNumEntries indicates the total number of entries in the MCS database of the multi-chassis peer.
remOmcrAlarmedEntries [Rem Omcr Alarmed Entries] (tmnxMcPeerSyncOmcrRemAlarmed)	long	The value of tmnxMcPeerSyncOmcrRemAlarmed indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) alarmed entries reported by the remote MCR system.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remOmcrStandbyEntries [Rem Omcr Standby Entries] (tmnxMcPeerSyncOmcrRemStandby)	long	The value of tmnxMcPeerSyncOmcrRemStandby indicates the number of Oversubscribed Multi-Chassis Redundancy (OMCR) standby entries reported by the remote MCR system.
<p>MultiChassisPeerMobileStats MIB entry name: tmnxMcPeerMobileStatsEntry Entry description: Each row entry represents the multi-chassis statistics of the mobile-gateway which is configured to participate in the geo-redundancy. Table description (for tmnxMcPeerMobileStatsTable): The tmnxMcPeerMobileStatsTable has entries for the multi-chassis statistics of each mobile-gateway participating in the geo-redundancy. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisPeerMobileSpecifics</p>		
malformPacketRecieved [Malform Packet Recieved] (tmnxMcPeerMobStatsMalformPktRx)	long	The value of tmnxMcPeerMobStatsMalformPktRx indicates the number of badly formed packets received from the peer.
malformTLVRecieved [Malform TLVRecieved] (tmnxMcPeerMobStatsMalformTLVRx)	long	The value of tmnxMcPeerMobStatsMalformTLVRx indicates the number of badly formed Type-Length-Values (TLV) received from the peer.
mismatchPacketRecieved [Mismatch Packet Recieved] (tmnxMcPeerMobStatsMismatchPktRx)	long	The value of tmnxMcPeerMobStatsMismatchPktRx indicates the number of packets with wrong gateway instance received from the peer.
newPeerConnectionRequestRecieved [New Peer Connection Request Recieved] (tmnxMcPeerMobStatsPeerConnReqRx)	long	The value of tmnxMcPeerMobStatsPeerConnReqRx indicates the number of new peer connections received at this mobile-gateway.
newPeerConnectionRequestTransmitted [New Peer Connection Request Transmitted] (tmnxMcPeerMobStatsPeerConnReqTx)	long	The value of tmnxMcPeerMobStatsPeerConnReqTx indicates the number of new peer connections sent by this mobile-gateway.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerDisconnectRequestRecieved [Peer Disconnect Request Recieved] (tmnxMcPeerMobStatsPeerDiscReqRx)	long	The value of tmnxMcPeerMobStatsPeerDiscReqRx indicates the number of peer disconnect requests received at this mobile-gateway.
peerDisconnectRequestTransmitted [Peer Disconnect Request Transmitted] (tmnxMcPeerMobStatsPeerDiscReqTx)	long	The value of tmnxMcPeerMobStatsPeerDiscReqTx indicates the number of disconnect requests sent by this mobile-gateway.
peerDownPacketsRecieved [Peer Down Packets Recieved] (tmnxMcPeerMobStatsPeerDwnPktsRx)	long	The value of tmnxMcPeerMobStatsPeerDwnPktsRx indicates the number of peer down events received from the peer.
peerUpPacketsRecieved [Peer Up Packets Recieved] (tmnxMcPeerMobStatsPeerUpPktsRx)	long	The value of tmnxMcPeerMobStatsPeerUpPktsRx indicates the number of peer up events received from the peer.
unknownTLVRecieved [Unknown TLVRecieved] (tmnxMcPeerMobStatsUnkTLVRx)	long	The value of tmnxMcPeerMobStatsUnkTLVRx indicates the number of unknown Type-Length-Values (TLV) received from the peer.
<p>MultiChassisPeerRingStats</p> <p>MIB entry name: tmnxMcrPeerStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer.</p> <p>Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.
MultiChassisRingNodeStats MIB entry name: tmnxMcrRingNodeStatsEntry Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system. Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRingNode		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rcvPacketsReceived [Rcv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.
rcvPacketsRoundTripTime [Rcv Packets Round Trip Time] (tmnxMcrRingNodeStatsRncvRtTime)	long	The value of tmnxMcrRingNodeStatsRncvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRncvRtTime is zero.
rcvPacketsTransmitted [Rcv Packets Transmitted] (tmnxMcrRingNodeStatsRncvTxReq)	long	The value of tmnxMcrRingNodeStatsRncvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisRingStats</p> <p>MIB entry name: tmnxMcrRingStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer.</p> <p>Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisRing</p>		
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlId)	long	The value of tmnxMcLagPeerStatsDropTlvInvlId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvlSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvlSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>PeerSynchronizationProtocolStats MIB entry name: tmnxMcPeerSyncStatsEntry Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations. Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.

Table 558 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 559 nat statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IsaMemberUsageStats</p> <p>MIB entry name: tmnxNatIsaMemberEntry</p> <p>Entry description: Each conceptual row contains status and basic statistics information about a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatIsaMemberTable): The tmnxNatIsaMemberTable contains status and statistics information about the members of a NAT-capable ISA Group. A member of a NAT ISA Group can be mapped to a physical NAT ISA MDA.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.IsaMda • nat.IsaMember 		
priSessions [Pri Sessions] (tmnxNatIsaMemberSessionsPrio)	long	The value of tmnxNatIsaMemberSessionsPrio indicates the current number of active prioritized sessions of the MDA associated with this member.
sessionUsage [Session Usage] (tmnxNatIsaMemberSessionUsage)	long	The value of tmnxNatIsaMemberSessionUsage indicates the session usage of the MDA associated with this member.
sessionUsageHi [Session Usage Hi] (tmnxNatIsaMemberSessionUsageHi)	int	The value of tmnxNatIsaMemberSessionUsageHi indicates if the session usage of the MDA associated with this member is high according to the values of the objects tmnxNatGrpCfgSessionWatermarkHi and tmnxNatGrpCfgSessionWatermarkLo.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AwSubscriberStats</p> <p>MIB entry name: tmnxNatL2AwSubStatEntry</p> <p>Entry description: Each conceptual row represents a Layer-2-Aware NAT subscriber. Entries in this table are created and destroyed automatically by the system.</p> <p>Table description (for tmnxNatL2AwSubStatTable): The tmnxNatL2AwSubStatTable contains status and basic statistics information about Layer-2-Aware NAT subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.L2AwSubscriber</p>		
icmpPortUsage [Icmp Port Usage] (tmnxNatL2AwSubStatIcmpPortUsage)	int	The value of the object tmnxNatL2AwSubStatIcmpPortUsage indicates the ICMP port usage of this NAT subscriber.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatL2AwSubStatIcmpPortUsageH)	boolean	The value of the object tmnxNatL2AwSubStatIcmpPortUsageH indicates if the ICMP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.
residentialSubscriber [Residential Subscriber] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
sessionUsage [Session Usage] (tmnxNatL2AwSubStatSessionUsage)	int	The value of the object tmnxNatL2AwSubStatSessionUsage indicates the session usage of this NAT subscriber.
sessions [Sessions] (tmnxNatL2AwSubStatSessions)	int	The value of tmnxNatL2AwSubStatSessions indicates the current number of active sessions of this NAT subscriber. In other words, it is the number of ports in use out of the nonreserved range.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionsPrio [Sessions Prio] (tmnxNatL2AwSubStatSessionsPrio)	int	The value of tmnxNatL2AwSubStatSessionsPrio indicates the current number of active prioritized sessions of this subscriber. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatL2AwSubStatTcpPortUsage)	int	The value of the object tmnxNatL2AwSubStatTcpPortUsage indicates the TCP port usage of this NAT subscriber.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatL2AwSubStatTcpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatTcpPortUsageHi indicates if the TCP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlyPortWatermarkHigh and tmnxNatPlyPortWatermarkLow.
udpPortUsage [Udp Port Usage] (tmnxNatL2AwSubStatUdpPortUsage)	int	The value of the object tmnxNatL2AwSubStatUdpPortUsage indicates the UDP port usage of this NAT subscriber.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatL2AwSubStatUdpPortUsageHi)	boolean	The value of the object tmnxNatL2AwSubStatUdpPortUsageHi indicates if the UDP port usage of this NAT subscriber is high according to the values of the objects tmnxNatPlyPortWatermarkHigh and tmnxNatPlyPortWatermarkLow.
<p>NatlsaMemberStats</p> <p>MIB entry name: tmnxNatlsaMemberStatsEntry</p> <p>Entry description: Each conceptual row contains detailed statistics information about a member of a NAT ISA Group. Entries in this table are created and removed automatically by the system.</p> <p>Table description (for tmnxNatlsaMemberStatsTable): The tmnxNatlsaMemberStatsTable contains detailed statistics information about the members of a NAT-capable ISA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMember</p>		

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noTcpUdpChecksum [No Tcp Udp Checksum] (tmnxNatIsaMemberStatsValue)	java. math. BigInteger	The value of the object tmnxNatIsaMemberStatsValue indicates the value of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatIsaMemberStatsType)	int	The value of tmnxNatIsaMemberStatsType indicates the type of NAT session statistics contained in this conceptual row.
<p>NatIsaResourceStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.IsaMda</p>		
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
statsId [Stats Id] (tmnxNatlsaResrcStatsId)	int	The value of tmnxNatlsaResrcStatsId indicates the identifier of this conceptual row. It is a meaningless number generated by the system as identifier of this conceptual row.
statsMaxValue [Stats Max Value] (tmnxNatlsaResrcStatsValMax)	java. math. BigInteger	The value of the object tmnxNatlsaResrcStatsValMax indicates the maximum available value of the resource statistics contained in this conceptual row.
statsName [Stats Name] (tmnxNatlsaResrcStatsName)	String	The value of the object tmnxNatlsaResrcStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatlsaResrcStatsVal)	java. math. BigInteger	The value of the object tmnxNatlsaResrcStatsVal indicates the actual value of the resource statistics contained in this conceptual row.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NatPolicyStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.IsaMda • nat.NatPolicy 		
cardSlot [Card Slot] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
mdaSlot [Mda Slot] (tmnxMDASlotNum)	int	The unique value which identifies this MDA slot within a specific IOM card in the system. Rows with a tmnxMDASlotNum value of zero (0) represent the special case of an IOM card without MDA slots but that instead has its ports directly on the IOM card itself. In that case, there should be only that one row entry in the tmnxMDATable for that IOM card.
policyName [Policy Name] (tmnxNatPlcyName)	String	The value of tmnxNatPlcyName specifies the name of this NAT policy.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsName [Stats Name] (tmnxNatPlyStatsName)	String	The value of the object tmnxNatPlyStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatPlyStatsType)	int	The value of tmnxNatPlyStatsType indicates the type of NAT usage statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatPlyStatsVal)	long	The value of the object tmnxNatPlyStatsVal indicates the value of the statistics contained in this conceptual row.
<p>NatPoolL2AwStats</p> <p>MIB entry name: tmnxNatPIL2AwEntry</p> <p>Entry description: Each conceptual row represents a Layer-2-Aware NAT address pool. Entries in this table are automatically created and deleted by the system.</p> <p>Table description (for tmnxNatPIL2AwTable): The tmnxNatPIL2AwTable contains information about the Layer-2-Aware NAT address pools.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.NatPool</p>		
blkUsage [Blk Usage] (tmnxNatPIL2AwBlockUsage)	long	The value of the object tmnxNatPIL2AwBlockUsage indicates the block usage of this Layer-2-Aware NAT address pool.
blkUsageHi [Blk Usage Hi] (tmnxNatPIL2AwBlockUsageHi)	boolean	The value of the object tmnxNatPIL2AwBlockUsage indicates if the block usage of this Layer-2-Aware NAT address pool is high according to the values of the objects tmnxNatPIWatermarkHigh and tmnxNatPIWatermarkLow.
natPIName [Nat PI Name] (tmnxNatPIName)	String	The value of tmnxNatPIName specifies the name of this NAT address pool.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vrtrId [Vrtr Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>NatPoolLsnStats</p> <p>MIB entry name: tmnxNatPILsnMemberEntry</p> <p>Entry description: Each conceptual row represents Large Scale NAT address pool information in a NAT ISA group member. Entries in this table are automatically created and deleted by the system.</p> <p>Table description (for tmnxNatPILsnMemberTable): The tmnxNatPILsnMemberTable contains information about the Large Scale NAT address pools per ISA group member.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.NatPool</p>		
mbrBlockUsage [Mbr Block Usage] (tmnxNatPILsnMemberBlockUsage)	long	The value of the object tmnxNatPILsnMemberBlockUsage indicates the block usage of this Large Scale NAT address pool.
mbrBlockUsageHi [Mbr Block Usage Hi] (tmnxNatPILsnMemberBlockUsageHi)	boolean	The value of the object tmnxNatPILsnMemberBlockUsage indicates if the block usage of this Large Scale NAT address pool is high according to the values of the objects tmnxNatPIWatermarkHigh and tmnxNatPIWatermarkLow.
mbrIsaGrpId [Mbr Isa Grp Id] (tmnxNatPILsnMemberIsaGrpId)	int	The value of the object tmnxNatPILsnMemberIsaGrpId indicates the identifier of the NAT Integrated Service Adaptor group where this member belongs to.
natIsaMbrID [Nat Isa Mbr ID] (tmnxNatIsaMemberId)	int	The value of the object tmnxNatIsaMemberId indicates the identifier of this NAT ISA Group member.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
natPIName [Nat PI Name] (tmnxNatPIName)	String	The value of tmnxNatPIName specifies the name of this NAT address pool.
vrtrId [Vrtr Id] (vRtrID)	long	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>NatReassemblyStats MIB entry name: tmnxNatReassemblyStatsEntry Entry description: Each conceptual row contains reassembly statistics information about a member of a NAT-capable ISA Group. Entries in this table are created and removed automatically by the system. Table description (for tmnxNatReassemblyStatsTable): The tmnxNatReassemblyStatsTable contains statistics information about IP datagram reassembly on NAT-capable ISA Groups. Note that the IP reassembly function can be activated while the NAT function is not. Supports realtime plotting Supports scheduled collection Monitored class: nat.IsaMember</p>		
statsName [Stats Name] (tmnxNatReassemblyStatsName)	String	The value of the object tmnxNatReassemblyStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
statsType [Stats Type] (tmnxNatReassemblyStatsType)	int	The value of tmnxNatReassemblyStatsType indicates the type of IP datagram reassembly statistics contained in this conceptual row.
statsValue [Stats Value] (tmnxNatReassemblyStatsVal)	java. math. BigInteger	The value of the object tmnxNatReassemblyStatsVal indicates the statistics value contained in this conceptual row.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PcpServerInterfaceStats</p> <p>MIB entry name: vRtrIfEntry</p> <p>Entry description: Each row entry represents a virtual router interface in the system. Entries can be created and deleted via SNMP SET operations using the vRtrIfRowStatus variable.</p> <p>Table description (for vRtrIfTable): The vRtrIfTable has an entry for each router interface configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: nat.PcpServerInterface</p>		
pcpSrvIfIndex [Pcp Srv If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the TmNx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pcpSrvIfStatsName [Pcp Srv If Stats Name] (tmnxNatPcpSrvIfStatsName)	String	The value of the object tmnxNatPcpSrvIfStatsName indicates the human-readable identifier of the statistics contained in this conceptual row.
pcpSrvIfStatsType [Pcp Srv If Stats Type] (tmnxNatPcpSrvIfStatsType)	int	The value of tmnxNatPcpSrvIfStatsType indicates the type of PCP statistics contained in this conceptual row. It is merely a numerical index, the meaning of the PCP statistics in this conceptual row is indicated by the value of the object tmnxNatPcpSrvIfStatsName.
pcpSrvIfStatsVal [Pcp Srv If Stats Val] (tmnxNatPcpSrvIfStatsVal)	java. math. BigInteger	The value of the object tmnxNatPcpSrvIfStatsVal indicates the value of the statistics contained in this conceptual row.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pcpSrvName [Pcp Srv Name] (tmnxNatPcpSrvName)	String	The value of tmnxNatPcpSrvName specifies the name of this PCP server.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
<p>QueryBasedLsnSubscriberStats</p> <p>MIB entry name: tmnxNatQryLsnSubResEntry</p> <p>Entry description: Each conceptual row represents a Large Scale NAT subscriber. Conceptual rows in this table are created and destroyed automatically by the system. Conceptual rows in this table are volatile: they are lost upon reboot or switchover. The system creates rows in this table as a result of the creation of a row in the query table tmnxNatQryLsnSubTable, and destroys them when that row is destroyed.</p> <p>Table description (for tmnxNatQryLsnSubResTable): The tmnxNatQryLsnSubResTable contains the results of one or more queries for LSN subscribers.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • nat.ClassicLsnHost • nat.DsLiteSubscriber • nat.Nat64Subscriber 		
icmpPortUsage [Icmp Port Usage] (tmnxNatQryLsnSubResIcmpPortUsg)	int	The value of the object tmnxNatQryLsnSubResIcmpPortUsg indicates the ICMP port usage of this NAT subscriber and policy.
icmpPortUsageHi [Icmp Port Usage Hi] (tmnxNatQryLsnSubResIcmpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResIcmpPortUsgHi indicates if the ICMP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lsnSubId [Lsn Sub Id] (tmnxNatQryLsnSubResId)	long	The value of tmnxNatQryLsnSubResId indicates the identifier of this Large Scale NAT subscriber.
sessionUsage [Session Usage] (tmnxNatQryLsnSubResSessionUsg)	int	The value of the object tmnxNatQryLsnSubResSessionUsg indicates the session usage of this NAT subscriber and policy.
sessionUsageHi [Session Usage Hi] (tmnxNatQryLsnSubResSessionUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResSessionUsgHi indicates if the session usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcySessionWatermarkHigh and tmnxNatPlcySessionWatermarkLow.
sessions [Sessions] (tmnxNatQryLsnSubResSessions)	int	The value of tmnxNatQryLsnSubResSessions indicates the current number of active sessions of this NAT subscriber and policy. In other words, it is the number of ports in use out of the nonreserved range.
sessionsPeak [Sessions Peak] (tmnxNatQryLsnSubResSessionsPeak)	int	The value of tmnxNatQryLsnSubResSessionsPeak indicates the maximum number of sessions that were active together up to this point in time.
sessionsPrio [Sessions Prio] (tmnxNatQryLsnSubResSessionsPrio)	int	The value of tmnxNatQryLsnSubResSessionsPrio indicates the current number of active prioritized sessions of this subscriber and policy. In other words, it is the number of reserved ports in use.
tcpPortUsage [Tcp Port Usage] (tmnxNatQryLsnSubResTcpPortUsg)	int	The value of the object tmnxNatQryLsnSubResTcpPortUsg indicates the TCP port usage of this NAT subscriber and policy.
tcpPortUsageHi [Tcp Port Usage Hi] (tmnxNatQryLsnSubResTcpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResTcpPortUsgHi indicates if the TCP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 559 nat statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
udpPortUsage [Udp Port Usage] (tmnxNatQryLsnSubResUdpPortUsg)	int	The value of the object tmnxNatQryLsnSubResUdpPortUsg indicates the UDP port usage of this NAT subscriber and policy.
udpPortUsageHi [Udp Port Usage Hi] (tmnxNatQryLsnSubResUdpPortUsgHi)	boolean	The value of the object tmnxNatQryLsnSubResUdpPortUsgHi indicates if the UDP port usage of this NAT subscriber and policy is high according to the values of the objects tmnxNatPlcyPortWatermarkHigh and tmnxNatPlcyPortWatermarkLow.

Table 560 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 560 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 560 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 561 openflow statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFChannelStats</p> <p>MIB entry name: tmnxOFChannelStatsEntry</p> <p>Entry description: The value of tmnxOFChannelStatsEntry specifies statistics information for the various packets exchanged between an open-flow switch and the controller.</p> <p>Table description (for tmnxOFChannelStatsTable): The tmnxOFChannelStatsTable contains channel statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFChannelTable</p>		
pktsErr [Pkts Err] (tmnxOFChannelPacketErr)	java. math. BigInteger	The value of tmnxOFChannelPacketErr indicates the total number of error packets exchanged by open-flow switch specified by tmnxOFSwitchName with the controller.
pktsRx [Pkts Rx] (tmnxOFChannelPacketRx)	java. math. BigInteger	The value of tmnxOFChannelPacketRx indicates the total number of packets received by an open-flow switch specified by tmnxOFSwitchName.
pktsTx [Pkts Tx] (tmnxOFChannelPacketTx)	java. math. BigInteger	The value of tmnxOFChannelPacketTx indicates the total number of packets transmitted by an open-flow switch specified by tmnxOFSwitchName.
pktsType [Pkts Type] (tmnxOFChannelPacketType)	int	The value of tmnxOFChannelPacketType specifies the packet type exchanged between an open-flow switch and the controller.

Table 561 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFPortStats</p> <p>MIB entry name: tmnxOFPortStatsEntry</p> <p>Entry description: The value of tmnxOFPortStatsEntry specifies statistics information related to port associated with an open-flow switch.</p> <p>Table description (for tmnxOFPortStatsTable): The tmnxOFPortStatsTable contains port statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFPortDescription</p>		
portId [Port Id] (tmnxOFPortID)	long	The value of tmnxOFPortID specifies the port identifier for uniquely identifying a port within an open-flow switch instance specified by tmnxOFSwitchName.
portName [Port Name] (tmnxOFPortName)	String	The value of tmnxOFPortName specifies the textual name of the interface. The value of this object should be the name of the interface as assigned by the open-flow switch.
portTxBytes [Port Tx Bytes] (tmnxOFPortTxBytes)	java. math. BigInteger	The value of tmnxOFPortTxBytes indicates the total number of bytes transmitted by this open-flow port.
portTxPkts [Port Tx Pkts] (tmnxOFPortTxPackets)	java. math. BigInteger	The value of tmnxOFPortTxPackets indicates the total number of packets transmitted by this open-flow port.

Table 561 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portType [Port Type] (tmnxOFPortType)	int	The value of tmnxOFPortType indicates the port-type for port identifier specified by tmnxOFPortID. openFlowPhysicalPort (1) - corresponds to hardware interface of an open-flow switch. openFlowLogicalPort (2) - corresponds to higher level abstractions defined by an open-flow switch (e.g. link aggregation groups, tunnels, loopback interfaces). openFlowReservedPort (3) - specifies generic forwarding actions such as sending to the controller, flooding, or forwarding using non open-flow methods, such as 'normal' switch processing.

Table 562 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkNeighborGeneralStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkReceiveStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervls)	long	The value of tmnxOspfVirtIfBadHelloIntervls indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 562 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 563 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 563 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 563 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 563 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 563 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 563 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 564 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertizements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertizements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertizements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertizement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertizements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTL Drops [Tx Register TTL Drops] (vRtrPimNgGenStatTxRegTTL Drops)	long	The value of vRtrPimNgGenStatTxRegTTL Drops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats MIB entry name: vRtrPimNgGrpSrcStatEntry Entry description: An entry in the vRtrPimNgGrpSrcStatTable. Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 564 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmtch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmtch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpflIndex.

Table 565 ppp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppStats</p> <p>MIB entry name: tmnxPppEntry</p> <p>Entry description: Each row entry represents a port from the tmnxPortTable that is configured for PPP. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxPppTable): The tmnxPppTable has an entry for each port in the system that is configured for PPP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ppp.Interface</p>		
keepaliveEchoReplyPacketsReceived [Keepalive Echo Reply Packets Received] (tmnxPppKaInPktCount)	long	The number of echo-reply packets received.
keepaliveEchoRequestPacketsSent [Keepalive Echo Request Packets Sent] (tmnxPppKaOutPktCount)	long	The number of echo-request packets sent.
keepaliveThresholdExceedsCount [Keepalive Threshold Exceeds Count] (tmnxPppKaThresholdExceedsCount)	long	The number of times that tmnxPppKaDropCount was reached.
lqmInRate [Lqm In Rate] (tmnxPppLqmInRate)	long	The average of 'SaveInPackets'/'PeerOutPackets' in the last five consecutive LQRs received.
lqmLqrPacketsReceived [Lqm Lqr Packets Received] (tmnxPppLqmInPktCount)	long	The number of LQR packets received.
lqmLqrPacketsSent [Lqm Lqr Packets Sent] (tmnxPppLqmOutPktCount)	long	The number of LQR packets sent.

Table 565 ppp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lqmOutRate [Lqm Out Rate] (tmnxPppLqmOutRate)	long	The average of 'PeerInPackets'/'LastOutPackets' in the last five consecutive LQRs received.
lqmThresholdExceedsCount [Lqm Threshold Exceeds Count] (tmnxPppLqmThresholdExceedsCount)	long	The number of times that either tmnxPppLqmInRate or tmnxPppLqmOutRate falls below the specified quality percentage when PPP quality or LQM is enforced.

Table 566 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsTimeStampCpm [Ptp Clk Pkt Stats Time Stamp Cpm] (tmnxPtpClkPktStatsTimeStampCpm)	long	The value of tmnxPtpClkPktStatsTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpClkPktStatsTimeStampPort [Ptp Clk Pkt Stats Time Stamp Port] (tmnxPtpClkPktStatsTimeStampPort)	long	The value of tmnxPtpClkPktStatsTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicate the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicate the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicate the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicate the number of seconds that the clock recovery system has been in the phase tracking state.
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStat-DropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.

Table 566 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 567 radiusaccounting statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAcctPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber RADIUS accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyStatsTable): The tmnxSubAcctPlcyStatsTable has an entry for each subscriber RADIUS accounting policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.Policy</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRxResponses)	long	The value of tmnxSubAcctPlcyRxResponses indicates the number of accounting responses received for this policy.
requestRetries [Request Retries] (tmnxSubAcctPlcySendRetries)	long	The value of tmnxSubAcctPlcySendRetries indicates the number of retries to a different server for a single accounting request for this policy.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyReqTimeouts)	long	The value of tmnxSubAcctPlcyReqTimeouts indicates the number of accounting requests which have timed out for this policy.
requestsFail [Requests Fail] (tmnxSubAcctPlcySendFail)	long	The value of tmnxSubAcctPlcySendFail indicates how many accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyTxRequests)	long	The value of tmnxSubAcctPlcyTxRequests indicates the number of accounting requests transmitted for this policy.

Table 567 radiusaccounting statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAcctPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific RADIUS server in a subscriber accounting policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAcctPlcyRadStatsTable): The tmnxSubAcctPlcyRadStatsTable has an entry for each RADIUS accounting server configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: radiusaccounting.RadiusEntry</p>		
receiveResponses [Receive Responses] (tmnxSubAcctPlcyRadRxResponses)	long	The value of tmnxSubAcctPlcyRadRxResponses indicates the number of accounting responses received for this server.
requestTimeOut [Request Time Out] (tmnxSubAcctPlcyRadReqTimeouts)	long	The value of tmnxSubAcctPlcyRadReqTimeouts indicates the number of accounting requests which have timed out for this server.
requestsFail [Requests Fail] (tmnxSubAcctPlcyRadReqSendFail)	long	The value of tmnxSubAcctPlcyRadReqSendFail indicates the number of accounting requests failed because the packet could not be sent out.
transferRequests [Transfer Requests] (tmnxSubAcctPlcyRadTxRequests)	long	The value of tmnxSubAcctPlcyRadTxRequests indicates the number of accounting requests transmitted for this server.

Table 568 resubscr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxAaSubUsageMonEntry</p> <p>Entry description: The value of object tmnxBsxAaSubUsageMonEntry specifies an entry which stores the Application Assurance usage monitoring statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. An entry is added when a new rule is sent from the policy server. As protocols are not supported by Application Assurance usage monitoring, the tmnxBsxStatAaType value of 'protocol (1)' will never appear as part of the index. As only snapshot statistics collection is supported by Application Assurance usage monitoring, the tmnxBsxAaSubStatsInterval value of 'snapshot (2)' will always appear as part of the index.</p> <p>Table description (for tmnxBsxAaSubUsageMonTable): The value of object tmnxBsxAaSubUsageMonTable specifies an entry for each Application-Assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the Application Assurance usage monitoring statistics collected for the subscriber, based on configuration in tmnxBsxStatAaSubCfgTable. Entries are based on Policy and Charging Control (PCC) rules received from the policy server which contain subscriber, and statistic type/name information. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. The typical usage of this table is to fill in the part of the index that identifies a subscriber (tmnxBsxAaGrpPartIndex, tmnxBsxAaSubStatsInterval, tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber), and perform a partial walk to retrieve the usage information. In order to prevent real-time issues, an SNMP get next request which results in a change in subscriber will return not-found.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecAppUsageMonStats</p> <p>MIB entry name: tmnxBsxAaSubUsageMonEntry</p> <p>Entry description: The value of object tmnxBsxAaSubUsageMonEntry specifies an entry which stores the Application Assurance usage monitoring statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. An entry is added when a new rule is sent from the policy server. As protocols are not supported by Application Assurance usage monitoring, the tmnxBsxStatAaType value of 'protocol (1)' will never appear as part of the index. As only snapshot statistics collection is supported by Application Assurance usage monitoring, the tmnxBsxAaSubStatsInterval value of 'snapshot (2)' will always appear as part of the index.</p> <p>Table description (for tmnxBsxAaSubUsageMonTable): The value of object tmnxBsxAaSubUsageMonTable specifies an entry for each Application-Assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the Application Assurance usage monitoring statistics collected for the subscriber, based on configuration in tmnxBsxStatAaSubCfgTable. Entries are based on Policy and Charging Control (PCC) rules received from the policy server which contain subscriber, and statistic type/name information. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. The typical usage of this table is to fill in the part of the index that identifies a subscriber (tmnxBsxAaGrpPartIndex, tmnxBsxAaSubStatsInterval, tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber), and perform a partial walk to retrieve the usage information. In order to prevent real-time issues, an SNMP get next request which results in a change in subscriber will return not-found.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecChargingGrpUsageMonStats</p> <p>MIB entry name: tmnxBsxAaSubUsageMonEntry</p> <p>Entry description: The value of object tmnxBsxAaSubUsageMonEntry specifies an entry which stores the Application Assurance usage monitoring statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. An entry is added when a new rule is sent from the policy server. As protocols are not supported by Application Assurance usage monitoring, the tmnxBsxStatAaType value of 'protocol (1)' will never appear as part of the index. As only snapshot statistics collection is supported by Application Assurance usage monitoring, the tmnxBsxAaSubStatsInterval value of 'snapshot (2)' will always appear as part of the index.</p> <p>Table description (for tmnxBsxAaSubUsageMonTable): The value of object tmnxBsxAaSubUsageMonTable specifies an entry for each Application-Assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the Application Assurance usage monitoring statistics collected for the subscriber, based on configuration in tmnxBsxStatAaSubCfgTable. Entries are based on Policy and Charging Control (PCC) rules received from the policy server which contain subscriber, and statistic type/name information. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. The typical usage of this table is to fill in the part of the index that identifies a subscriber (tmnxBsxAaGrpPartIndex, tmnxBsxAaSubStatsInterval, tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber), and perform a partial walk to retrieve the usage information. In order to prevent real-time issues, an SNMP get next request which results in a change in subscriber will return not-found.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
operationStatus [Operation Status] (tmnxBsxAaSubUMOperStatus)	int	The value of tmnxBsxAaSubUMOperStatus indicates the operational state for the usage monitor. When 'active (2)', a rule has been received and credits have been sent from policy server. When 'inactive (1)', a rule has been received but no credits have been sent from policy server. When 'adminDisabled (0)', a rule has been 'shutdown' on the policy server.
umBothGrantCredit [Um Both Grant Credit] (tmnxBsxAaSubUMBothGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothGrantCredit indicates the amount of credits allocated by the policy server for either direction.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
umBothGrantStatus [Um Both Grant Status] (tmnxBsxAaSubUMBothGrantStatus)	int	The value of tmnxBsxAaSubUMBothGrantStatus indicates grant status for the network to subscriber direction.
umBothUsedCredit [Um Both Used Credit] (tmnxBsxAaSubUMBothUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMBothUsedCredit indicates the amount of credits used by either direction.
umFromSubGrantCredit [Um From Sub Grant Credit] (tmnxBsxAaSubUMFmSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubGrantCredit indicates the amount of credits allocated by the policy server for the subscriber to network direction.
umFromSubGrantStatus [Um From Sub Grant Status] (tmnxBsxAaSubUMFmSubGrantStatus)	int	The value of tmnxBsxAaSubUMFmSubGrantStatus indicates grant status for the subscriber to network direction.
umFromSubUsedCredit [Um From Sub Used Credit] (tmnxBsxAaSubUMFmSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMFmSubUsedCredit indicates the amount of credits used by the subscriber to network direction.
umToSubGrantCredit [Um To Sub Grant Credit] (tmnxBsxAaSubUMToSubGrantCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubGrantCredit indicates the amount of credits allocated by the policy server for the network to subscriber direction.
umToSubGrantStatus [Um To Sub Grant Status] (tmnxBsxAaSubUMToSubGrantStatus)	int	The value of tmnxBsxAaSubUMToSubGrantStatus indicates grant status for the network to subscriber direction.
umToSubUsedCredit [Um To Sub Used Credit] (tmnxBsxAaSubUMToSubUsedCredit)	java. math. BigInteger	The value of tmnxBsxAaSubUMToSubUsedCredit indicates the amount of credits used by the network to subscriber direction.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSubCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSubStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSubStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
HostTrackStats MIB entry name: sapBaselInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaselInfoTable): A table that contains basic SAP information. Supports realtime plotting Does not support scheduled collection Monitored class: resubscr.ResidentialSubscriberInstance		
sapInnerEncapValue [Sap Inner Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
sapPortId [Sap Port Id] (sapPortId)	String	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
statsType [Stats Type] (tmnxSubHostTrkStatsType)	int	The value of tmnxSubHostTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostTrkStatsVal.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsValue [Stats Value] (tmnxSubHostTrkStatsVal)	long	The value of tmnxSubHostTrkStatsType indicates the value of the host tracking statistics of the type indicated by tmnxSubHostTrkStatsType, for this subscriber host.
subscrIdent [Subscr Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.
<p>HostTrackStatsOnSap</p> <p>MIB entry name: tmnxSubHostSapTrkStatsEntry</p> <p>Entry description: Each row entry represents host tracking status and statistics information about a particular host. Rows are created or removed automatically by the system. Rows are only created where the statistics value is nonzero; this allows faster walking through this table; hence, it is recommended to perform only get-next-request operations to retrieve information from this table.</p> <p>Table description (for tmnxSubHostSapTrkStatsTable): The tmnxSubHostSapTrkStatsTable shows statistics information about the video viewership of hosts, ordered by SAP.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.AbstractL2AccessInterface • vprn.ServiceAccessPoint 		

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsType [Stats Type] (tmnxSubHostSapTrkStatsType)	int	The value of tmnxSubHostSapTrkStatsType indicates the type of host tracking statistics contained in tmnxSubHostSapTrkStatsVal.
statsValue [Stats Value] (tmnxSubHostSapTrkStatsVal)	long	The value of tmnxSubHostSapTrkStatsType indicates the value of the host tracking statistics of the type indicated by tmnxSubHostSapTrkStatsType, for this host.
subscriberHostAddress [Subscriber Host Address] (tmnxSubHostSapTrkHostAddr)	String	The value of tmnxSubHostSapTrkHostAddr indicates the address of the host.
subscriberHostAddressType [Subscriber Host Address Type] (tmnxSubHostSapTrkHostAddrType)	int	The value of tmnxSubHostSapTrkHostAddrType indicates the address type of tmnxSubHostSapTrkHostAddr.
<p>PppSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppSvcTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP in a specific service. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppSvcTypeTable): The tmnxSubPppSvcTypeTable has information for each each type of subscriber PPP Session, ordered per service.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.Site • vprn.Site 		
pPPType [PPPType] (tmnxSubPppSvcTypeIndex)	int	The value of the object tmnxSubPppSvcTypeIndex indicates the type of subscriber PPP.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pPPoL2tp [PPPo L2 tp] (tmnxSubPppSvcTypeSessions)	long	The value of the object tmnxSubPppSvcTypeSessions indicates the actual number of PPP session of this type.
<p>SLAEgrQoS SchedStats</p> <p>MIB entry name: tmnxSPIEgrQoS SchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS scheduler.</p> <p>Table description (for tmnxSPIEgrQoS SchedStatsTable): The tmnxSPIEgrQoS SchedStatsTable contains egress QoS scheduler statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQoS SchedStatsFwdOctets [Egr Qos Sched Stats Fwd Octets] (tmnxSPIEgrQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSPIEgrQoS SchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the SLA profile instance egress scheduler policy.
egrQoS SchedStatsFwdPkts [Egr Qos Sched Stats Fwd Pkts] (tmnxSPIEgrQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSPIEgrQoS SchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the SLA profile instance egress scheduler policy.
egrQoS SchedStatsName [Egr Qos Sched Stats Name] (tmnxSPIEgrQoS SchedStatsName)	String	The value of tmnxSPIEgrQoS SchedStatsName specifies the egress QoS scheduler of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
subIdent [Sub Ident] (tmnxSubInfoSubIdent)	String	The value of tmnxSubInfoSubIdent specifies the subscriber identification of this subscriber.
<p>SLAProfInstEgrPStats</p> <p>MIB entry name: tmnxSLAProfInstEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstEgrPStatsTable): The tmnxSLAProfInstEgrPStatsTable contains egress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrPolicerId [Egr Policer Id] (tmnxSPIEgrPStatsPolId)	long	The value of tmnxSPIEgrPStatsPolId specifies the index of the egress QoS policer of this SLA profile instance.
spiEgrPStatsDrpInProfOctsH [Spi Egr PStats Drp In Prof Octs H] (tmnxSPIEgrPStatsDrpInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpInProfOcts.
spiEgrPStatsDrpInProfOctsL [Spi Egr PStats Drp In Prof Octs L] (tmnxSPIEgrPStatsDrpInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpInProfOcts.
spiEgrPStatsDrpInProfPktsH [Spi Egr PStats Drp In Prof Pkts H] (tmnxSPIEgrPStatsDrpInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpInProfPkts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpInProfPktsL [Spi Egr PStats Drp In Prof Pkts L] (tmnxSPIEgrPStatsDrpInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpInProfPkts.
spiEgrPStatsDrpOutProfOctsH [Spi Egr PStats Drp Out Prof Octs H] (tmnxSPIEgrPStatsDrpOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpOutProfOcts.
spiEgrPStatsDrpOutProfOctsL [Spi Egr PStats Drp Out Prof Octs L] (tmnxSPIEgrPStatsDrpOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpOutProfOcts.
spiEgrPStatsDrpOutProfPktsH [Spi Egr PStats Drp Out Prof Pkts H] (tmnxSPIEgrPStatsDrpOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsDrpOutProfPkts.
spiEgrPStatsDrpOutProfPktsL [Spi Egr PStats Drp Out Prof Pkts L] (tmnxSPIEgrPStatsDrpOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsDrpOutProfPkts.
spiEgrPStatsFwdInProfOctsH [Spi Egr PStats Fwd In Prof Octs H] (tmnxSPIEgrPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdInProfOcts.
spiEgrPStatsFwdInProfOctsL [Spi Egr PStats Fwd In Prof Octs L] (tmnxSPIEgrPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdInProfOcts.
spiEgrPStatsFwdInProfPktsH [Spi Egr PStats Fwd In Prof Pkts H] (tmnxSPIEgrPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdInProfPkts.
spiEgrPStatsFwdInProfPktsL [Spi Egr PStats Fwd In Prof Pkts L] (tmnxSPIEgrPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdInProfPkts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsFwdOutProfOctsH [Spi Egr PStats Fwd Out Prof Octs H] (tmnxSPIEgrPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdOutProfOcts.
spiEgrPStatsFwdOutProfOctsL [Spi Egr PStats Fwd Out Prof Octs L] (tmnxSPIEgrPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdOutProfOcts.
spiEgrPStatsFwdOutProfPktsH [Spi Egr PStats Fwd Out Prof Pkts H] (tmnxSPIEgrPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsFwdOutProfPkts.
spiEgrPStatsFwdOutProfPktsL [Spi Egr PStats Fwd Out Prof Pkts L] (tmnxSPIEgrPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsFwdOutProfPkts.
spiEgrPStatsMode [Spi Egr PStats Mode] (tmnxSPIEgrPStatsMode)	int	The value of tmnxSPIEgrPStatsMode indicates the stat mode used by the policer.
spiEgrPStatsOffInProfOctsH [Spi Egr PStats Off In Prof Octs H] (tmnxSPIEgrPStatsOffInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffInProfOcts.
spiEgrPStatsOffInProfOctsL [Spi Egr PStats Off In Prof Octs L] (tmnxSPIEgrPStatsOffInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffInProfOcts.
spiEgrPStatsOffInProfPktsH [Spi Egr PStats Off In Prof Pkts H] (tmnxSPIEgrPStatsOffInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffInProfPkts.
spiEgrPStatsOffInProfPktsL [Spi Egr PStats Off In Prof Pkts L] (tmnxSPIEgrPStatsOffInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffInProfPkts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffOutProfOctsH [Spi Egr PStats Off Out Prof Octs H] (tmnxSPIEgrPStatsOffOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffOutProfOcts.
spiEgrPStatsOffOutProfOctsL [Spi Egr PStats Off Out Prof Octs L] (tmnxSPIEgrPStatsOffOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffOutProfOcts.
spiEgrPStatsOffOutProfPktsH [Spi Egr PStats Off Out Prof Pkts H] (tmnxSPIEgrPStatsOffOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.
spiEgrPStatsOffOutProfPktsL [Spi Egr PStats Off Out Prof Pkts L] (tmnxSPIEgrPStatsOffOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffOutProfPkts.
spiEgrPStatsOffUncolOcts [Spi Egr PStats Off Uncol Octs] (tmnxSPIEgrPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffUncolOcts indicates the number of uncolored octets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffUncolOctsH [Spi Egr PStats Off Uncol Octs H] (tmnxSPIEgrPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffUncolOcts.
spiEgrPStatsOffUncolOctsL [Spi Egr PStats Off Uncol Octs L] (tmnxSPIEgrPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffUncolOcts.
spiEgrPStatsOffUncolPkts [Spi Egr PStats Off Uncol Pkts] (tmnxSPIEgrPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffUncolPkts indicates the number of uncolored packets (rate above CIR) offered by the egress Pchip.

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffUncolPktsH [Spi Egr PStats Off Uncol Pkts H] (tmnxSPIEgrPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSPIEgrPStatsOffUncolPkts.
spiEgrPStatsOffUncolPktsL [Spi Egr PStats Off Uncol Pkts L] (tmnxSPIEgrPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSPIEgrPStatsOffUncolPkts.
<p>SLAProfInstEgrPV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstEgrPStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstEgrPStatsTable): The tmnxSLAProfInstEgrPStatsTable contains egress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
egrPolicerId [Egr Policer Id] (tmnxSPIEgrPStatsPolId)	long	The value of tmnxSPIEgrPStatsPolId specifies the index of the egress QoS policer of this SLA profile instance.
spiEgrPStatsDrpV4Octs [Spi Egr PStats Drp V4 Octs] (tmnxSPIEgrPStatsDrpInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInProfOcts indicates the number of in-profile octets (rate below CIR) dropped by the egress Pchip.
spiEgrPStatsDrpV4Pkts [Spi Egr PStats Drp V4 Pkts] (tmnxSPIEgrPStatsDrpInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpInProfPkts indicates the number of in-profile packets (rate below CIR) dropped by the egress Pchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsDrpV6Octs [Spi Egr PStats Drp V6 Octs] (tmnxSPIEgrPStatsDrpOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpOutProfOcts indicates the number of out-of-profile octets (rate above CIR) dropped by the egress Pchip.
spiEgrPStatsDrpV6Pkts [Spi Egr PStats Drp V6 Pkts] (tmnxSPIEgrPStatsDrpOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsDrpOutProfPkts indicates the number of out-of-profile packets (rate above CIR) dropped by the egress Pchip.
spiEgrPStatsFwdV4Octs [Spi Egr PStats Fwd V4 Octs] (tmnxSPIEgrPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV4Pkts [Spi Egr PStats Fwd V4 Pkts] (tmnxSPIEgrPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV6Octs [Spi Egr PStats Fwd V6 Octs] (tmnxSPIEgrPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
spiEgrPStatsFwdV6Pkts [Spi Egr PStats Fwd V6 Pkts] (tmnxSPIEgrPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
spiEgrPStatsMode [Spi Egr PStats Mode] (tmnxSPIEgrPStatsMode)	int	The value of tmnxSPIEgrPStatsMode indicates the stat mode used by the policer.
spiEgrPStatsOffV4Octs [Spi Egr PStats Off V4 Octs] (tmnxSPIEgrPStatsOffInProfOcts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiEgrPStatsOffV4Pkts [Spi Egr PStats Off V4 Pkts] (tmnxSPIEgrPStatsOffInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffInProfPkts indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
spiEgrPStatsOffV6Pkts [Spi Egr PStats Off V6 Pkts] (tmnxSPIEgrPStatsOffOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffOutProfPkts indicates the number of out-of-profile octets (rate above CIR) offered by the egress Pchip.
spiEgrPStatsOffV6Pkts [Spi Egr PStats Off V6 Pkts] (tmnxSPIEgrPStatsOffOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrPStatsOffOutProfPkts indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
<p>SLAProfInstEgrQStats</p> <p>MIB entry name: tmnxSLAProfInstEgrQStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue.</p> <p>Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
<p>SLAProfInstEgrQV4V6Stats MIB entry name: tmnxSLAProfInstEgrQStatsEntry Entry description: Each row entry contains egress statistics about a particular SLA profile instance QoS queue. Table description (for tmnxSLAProfInstEgrQStatsTable): The tmnxSLAProfInstEgrQStatsTable contains egress QoS queue statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Does not support realtime plotting Supports scheduled collection Monitored class: resubscr.ResidentialSubscriberInstance</p>		
egrQStatsDropV4Octets [Egr QStats Drop V4 Octets] (tmnxSPIEgrQStatsDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfOctets indicates the number of in-profile octets discarded by the egress Qchip.
egrQStatsDropV4Packets [Egr QStats Drop V4 Packets] (tmnxSPIEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropInProfPkts indicates the number of in-profile packets discarded by the egress Qchip.
egrQStatsDropV6Octets [Egr QStats Drop V6 Octets] (tmnxSPIEgrQStatsDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfOctets indicates the number of out-of-profile octets discarded by the egress Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQStatsDropV6Packets [Egr QStats Drop V6 Packets] (tmnxSPIEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsDropOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip.
egrQStatsFwdV4Octets [Egr QStats Fwd V4 Octets] (tmnxSPIEgrQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egrQStatsFwdV4Packets [Egr QStats Fwd V4 Packets] (tmnxSPIEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQStatsFwdV6Octets [Egr QStats Fwd V6 Octets] (tmnxSPIEgrQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQStatsFwdV6Packets [Egr QStats Fwd V6 Packets] (tmnxSPIEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQStatsQueueId [Egr QStats Queue Id] (tmnxSPIEgrQStatsQueueId)	long	The value of tmnxSPIEgrQStatsQueueId specifies the index of the egress QoS queue of this SLA profile instance.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
<p>SLAProfInstIngPStats</p> <p>MIB entry name: tmnxSLAProfInstIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstIngPStatsTable): The tmnxSLAProfInstIngPStatsTable contains ingress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
ingPolicerId [Ing Policer Id] (tmnxSPIngpStatsPolId)	long	The value of tmnxSPIngpStatsPolId specifies the index of the ingress QoS policer of this SLA profile instance.
spiIngPStatsDrpHiPrioOctsH [Spi Ing PStats Drp Hi Prio Octs H] (tmnxSPIngpStatsDrpHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPIngpStatsDrpHiPrioOcts.
spiIngPStatsDrpHiPrioOctsL [Spi Ing PStats Drp Hi Prio Octs L] (tmnxSPIngpStatsDrpHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPIngpStatsDrpHiPrioOcts.
spiIngPStatsDrpHiPrioPktsH [Spi Ing PStats Drp Hi Prio Pkts H] (tmnxSPIngpStatsDrpHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPIngpStatsDrpHiPrioPkts.
spiIngPStatsDrpHiPrioPktsL [Spi Ing PStats Drp Hi Prio Pkts L] (tmnxSPIngpStatsDrpHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPIngpStatsDrpHiPrioPkts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsDrpLoPrioOctsH [Spi Ing PStats Drp Lo Prio Octs H] (tmnxSPllngPStatsDrpLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsDrpLoPrioOcts.
spilngPStatsDrpLoPrioOctsL [Spi Ing PStats Drp Lo Prio Octs L] (tmnxSPllngPStatsDrpLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsDrpLoPrioOcts.
spilngPStatsDrpLoPrioPktsH [Spi Ing PStats Drp Lo Prio Pkts H] (tmnxSPllngPStatsDrpLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsDrpLoPrioPkts.
spilngPStatsDrpLoPrioPktsL [Spi Ing PStats Drp Lo Prio Pkts L] (tmnxSPllngPStatsDrpLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsDrpLoPrioPkts.
spilngPStatsFwdInProfOctsH [Spi Ing PStats Fwd In Prof Octs H] (tmnxSPllngPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdInProfOcts.
spilngPStatsFwdInProfOctsL [Spi Ing PStats Fwd In Prof Octs L] (tmnxSPllngPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdInProfOcts.
spilngPStatsFwdInProfPktsH [Spi Ing PStats Fwd In Prof Pkts H] (tmnxSPllngPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdInProfPkts.
spilngPStatsFwdInProfPktsL [Spi Ing PStats Fwd In Prof Pkts L] (tmnxSPllngPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdInProfPkts.
spilngPStatsFwdOutProfOctsH [Spi Ing PStats Fwd Out Prof Octs H] (tmnxSPllngPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdOutProfOcts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsFwdOutProfOctsL [Spi lng PStats Fwd Out Prof Octs L] (tmnxSPllngPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdOutProfOcts.
spilngPStatsFwdOutProfPktsH [Spi lng PStats Fwd Out Prof Pkts H] (tmnxSPllngPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsFwdOutProfPkts.
spilngPStatsFwdOutProfPktsL [Spi lng PStats Fwd Out Prof Pkts L] (tmnxSPllngPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsFwdOutProfPkts.
spilngPStatsMode [Spi lng PStats Mode] (tmnxSPllngPStatsMode)	int	The value of tmnxSPllngPStatsMode indicates the stat mode used by the policer.
spilngPStatsOffHiPrioOctsH [Spi lng PStats Off Hi Prio Octs H] (tmnxSPllngPStatsOffHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffHiPrioOcts.
spilngPStatsOffHiPrioOctsL [Spi lng PStats Off Hi Prio Octs L] (tmnxSPllngPStatsOffHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffHiPrioOcts.
spilngPStatsOffHiPrioPktsH [Spi lng PStats Off Hi Prio Pkts H] (tmnxSPllngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffHiPrioPkts.
spilngPStatsOffHiPrioPktsL [Spi lng PStats Off Hi Prio Pkts L] (tmnxSPllngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffHiPrioPkts.
spilngPStatsOffLoPrioOctsH [Spi lng PStats Off Lo Prio Octs H] (tmnxSPllngPStatsOffLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffLoPrioOcts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsOffLoPrioOctsL [Spi Ing PStats Off Lo Prio Octs L] (tmnxSPllngPStatsOffLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffLoPrioOcts.
spilngPStatsOffLoPrioPktsH [Spi Ing PStats Off Lo Prio Pkts H] (tmnxSPllngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffLoPrioPkts.
spilngPStatsOffLoPrioPktsL [Spi Ing PStats Off Lo Prio Pkts L] (tmnxSPllngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffLoPrioPkts.
spilngPStatsOffUncolOcts [Spi Ing PStats Off Uncol Octs] (tmnxSPllngPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffUncolOcts indicates the number of uncolored octets offered to the ingress Pchip.
spilngPStatsOffUncolOctsH [Spi Ing PStats Off Uncol Octs H] (tmnxSPllngPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffUncolOcts.
spilngPStatsOffUncolOctsL [Spi Ing PStats Off Uncol Octs L] (tmnxSPllngPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffUncolOcts.
spilngPStatsOffUncolPkts [Spi Ing PStats Off Uncol Pkts] (tmnxSPllngPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Pchip.
spilngPStatsOffUncolPktsH [Spi Ing PStats Off Uncol Pkts H] (tmnxSPllngPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSPllngPStatsOffUncolPkts.

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiIngPStatsOffUncolPktsL [Spi Ing PStats Off Uncol Pkts L] (tmnxSPllngPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSPllngPStatsOffUncolPkts.
<p>SLAProfInstngPV4V6Stats</p> <p>MIB entry name: tmnxSLAProfInstngPStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SLA profile instance QoS policer.</p> <p>Table description (for tmnxSLAProfInstngPStatsTable): The tmnxSLAProfInstngPStatsTable contains ingress QoS policer statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
ingPolicerId [Ing Policer Id] (tmnxSPllngPStatsPolId)	long	The value of tmnxSPllngPStatsPolId specifies the index of the ingress QoS policer of this SLA profile instance.
spiIngPStatsDrpV4Octs [Spi Ing PStats Drp V4 Octs] (tmnxSPllngPStatsDrpHiPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsDrpHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
spiIngPStatsDrpV4Pkts [Spi Ing PStats Drp V4 Pkts] (tmnxSPllngPStatsDrpHiPrioPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsDrpHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
spiIngPStatsDrpV6Octs [Spi Ing PStats Drp V6 Octs] (tmnxSPllngPStatsDrpLoPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsDrpLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spilngPStatsDrpV6Pkts [Spi Ing PStats Drp V6 Pkts] (tmnxSPllngPStatsDrpLoPrioPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsDrpLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Pchip.
spilngPStatsFwdV4Octs [Spi Ing PStats Fwd V4 Octs] (tmnxSPllngPStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV4Pkts [Spi Ing PStats Fwd V4 Pkts] (tmnxSPllngPStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV6Octs [Spi Ing PStats Fwd V6 Octs] (tmnxSPllngPStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
spilngPStatsFwdV6Pkts [Spi Ing PStats Fwd V6 Pkts] (tmnxSPllngPStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
spilngPStatsMode [Spi Ing PStats Mode] (tmnxSPllngPStatsMode)	int	The value of tmnxSPllngPStatsMode indicates the stat mode used by the policer.
spilngPStatsOffV4Octs [Spi Ing PStats Off V4 Octs] (tmnxSPllngPStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffHiPrioOcts indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
spilngPStatsOffV4Pkts [Spi Ing PStats Off V4 Pkts] (tmnxSPllngPStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPllngPStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spiIngPStatsOffV6Octs [Spi Ing PStats Off V6 Octets] (tmnxSPIIngPStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSPIIngPStatsOffLoPrioOcts indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
spiIngPStatsOffV6Pkts [Spi Ing PStats Off V6 Pkts] (tmnxSPIIngPStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIIngPStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
SLAProfInstngQStats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance		
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPIIngQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIIngQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPIIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIIngQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPIIngQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIIngQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffUncoloredOctets [Ing QStats Off Uncolored Octets] (tmnxSPIngQStatsOffUncolOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffUncolOctets indicates the number of uncolored octets offered to the ingress Qchip.
ingQStatsOffUncoloredPackets [Ing QStats Off Uncolored Packets] (tmnxSPIngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPIngQStatsQueueId)	long	The value of tmnxSPIngQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.
<p>SLAProfInstIngQV4V6Stats MIB entry name: sapBaseInfoEntry Entry description: Information about a specific SAP. Table description (for sapBaseInfoTable): A table that contains basic SAP information. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingQStatsDropV4Octets [Ing QStats Drop V4 Octets] (tmnxSPInQStatsDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsDropHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV4Packets [Ing QStats Drop V4 Packets] (tmnxSPInQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsDropHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV6Octets [Ing QStats Drop V6 Octets] (tmnxSPInQStatsDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPInQStatsDropLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsDropV6Packets [Ing QStats Drop V6 Packets] (tmnxSPInQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPInQStatsDropLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQStatsFwdV4Octets [Ing QStats Fwd V4 Octets] (tmnxSPInQStatsFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPInQStatsFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdV4Packets [Ing QStats Fwd V4 Packets] (tmnxSPInQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPInQStatsFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingQStatsFwdV6Octets [Ing QStats Fwd V6 Octets] (tmnxSPInQStatsFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPInQStatsFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQStatsFwdV6Packets [Ing QStats Fwd V6 Packets] (tmnxSPIngQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingQStatsOffHiPriorityOctets [Ing QStats Off Hi Priority Octets] (tmnxSPIngQStatsOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffHiPrioOctets indicates the number of high priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffHiPriorityPackets [Ing QStats Off Hi Priority Packets] (tmnxSPIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffHiPrioPkts indicates the number of high priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityOctets [Ing QStats Off Lo Priority Octets] (tmnxSPIngQStatsOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioOctets indicates the number of low priority octets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsOffLoPriorityPackets [Ing QStats Off Lo Priority Packets] (tmnxSPIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIngQStatsOffLoPrioPkts indicates the number of low priority packets, as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingQStatsQueueId [Ing QStats Queue Id] (tmnxSPIngQStatsQueueId)	long	The value of tmnxSPIngQStatsQueueId specifies the index of the ingress QoS queue of this SLA profile instance.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SLAProfInstStats</p> <p>MIB entry name: tmnxSLAProfInstStatsEntry</p> <p>Entry description: Each row entry contains basic statistics about a particular SLA profile instance.</p> <p>Table description (for tmnxSLAProfInstStatsTable): The tmnxSLAProfInstStatsTable contains basic statistics about SLA profile instances. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
egrQchipDropInProfileOctets [Egr Qchip Drop In Profile Octets] (tmnxSPIStatsEgrQchipDropInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfOctets indicates the number of in-profile octets dropped by the egress Qchip.
egrQchipDropInProfilePackets [Egr Qchip Drop In Profile Packets] (tmnxSPIStatsEgrQchipDropInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropInProfPkts indicates the number of in-profile packets dropped by the egress Qchip.
egrQchipDropOutProfileOctets [Egr Qchip Drop Out Profile Octets] (tmnxSPIStatsEgrQchipDropOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfOctets indicates the number of out-of-profile octets dropped by the egress Qchip.
egrQchipDropOutProfilePackets [Egr Qchip Drop Out Profile Packets] (tmnxSPIStatsEgrQchipDropOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropOutProfPkts indicates the number of out-of-profile packets dropped by the egress Qchip.
egrQchipDropV4Octets [Egr Qchip Drop V4 Octets] (tmnxSPIStatsEgrQchipDropV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV4Octets indicates the number of V4 octets dropped by the egress Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipDropV4Packets [Egr Qchip Drop V4 Packets] (tmnxSPIStatsEgrQchipDropV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV4Pkts indicates the number of V4 packets dropped by the egress Qchip.
egrQchipDropV6Octets [Egr Qchip Drop V6 Octets] (tmnxSPIStatsEgrQchipDropV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV6Octets indicates the number of V6 octets dropped by the egress Qchip.
egrQchipDropV6Packets [Egr Qchip Drop V6 Packets] (tmnxSPIStatsEgrQchipDropV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipDropV6Pkts indicates the number of V6 packets dropped by the egress Qchip.
egrQchipFwdInProfileOctets [Egr Qchip Fwd In Profile Octets] (tmnxSPIStatsEgrQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdInProfilePackets [Egr Qchip Fwd In Profile Packets] (tmnxSPIStatsEgrQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfileOctets [Egr Qchip Fwd Out Profile Octets] (tmnxSPIStatsEgrQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdOutProfilePackets [Egr Qchip Fwd Out Profile Packets] (tmnxSPIStatsEgrQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
egrQchipFwdV4Octets [Egr Qchip Fwd V4 Octets] (tmnxSPIStatsEgrQchipFwdV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV4Octets indicates the number of V4 octets forwarded by the egress Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQchipFwdV4Packets [Egr Qchip Fwd V4 Packets] (tmnxSPIStatsEgrQchipFwdV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV4Pkts indicates the number of V4 packets forwarded by the egress Qchip.
egrQchipFwdV6Octets [Egr Qchip Fwd V6 Octets] (tmnxSPIStatsEgrQchipFwdV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV6Octets indicates the number of V6 octets forwarded by the egress Qchip.
egrQchipFwdV6Packets [Egr Qchip Fwd V6 Packets] (tmnxSPIStatsEgrQchipFwdV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsEgrQchipFwdV6Pkts indicates the number of V6 packets forwarded by the egress Qchip.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
ingPchipOffHiPriorityOctets [Ing Pchip Off Hi Priority Octets] (tmnxSPIStatsIngPchipOffHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffHiPriorityPackets [Ing Pchip Off Hi Priority Packets] (tmnxSPIStatsIngPchipOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityOctets [Ing Pchip Off Lo Priority Octets] (tmnxSPIStatsIngPchipOffLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffLoPriorityPackets [Ing Pchip Off Lo Priority Packets] (tmnxSPIStatsIngPchipOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPchipOffUncoloredOctets [Ing Pchip Off Uncolored Octets] (tmnxSPIStatsIngPchipOffUncolOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolOctets indicates the number of uncolored octets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffUncoloredPackets [Ing Pchip Off Uncolored Packets] (tmnxSPIStatsIngPchipOffUncolPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffUncolPkts indicates the number of uncolored packets as determined by the SLA profile ingress QoS policy, offered by the Pchip to the Qchip.
ingPchipOffV4Octets [Ing Pchip Off V4 Octets] (tmnxSPIStatsIngPchipOffV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV4Octets indicates the number of V4 octets offered by the Pchip to the Qchip.
ingPchipOffV4Packets [Ing Pchip Off V4 Packets] (tmnxSPIStatsIngPchipOffV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV4Pkts indicates the number of V4 packets offered by the Pchip to the Qchip.
ingPchipOffV6Octets [Ing Pchip Off V6 Octets] (tmnxSPIStatsIngPchipOffV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV6Octets indicates the number of V6 octets offered by the Pchip to the Qchip.
ingPchipOffV6Packets [Ing Pchip Off V6 Packets] (tmnxSPIStatsIngPchipOffV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngPchipOffV6Pkts indicates the number of V6 packets offered by the Pchip to the Qchip.
ingQchipDropHiPriorityOctets [Ing Qchip Drop Hi Priority Octets] (tmnxSPIStatsIngQchipDropHiPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioOctets indicates the number of high priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropHiPriorityPackets [Ing Qchip Drop Hi Priority Packets] (tmnxSPIStatsIngQchipDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropHiPrioPkts indicates the number of high priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipDropLoPriorityOctets [Ing Qchip Drop Lo Priority Octets] (tmnxSPIStatsIngQchipDropLoPrioOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioOctets indicates the number of low priority octets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropLoPriorityPackets [Ing Qchip Drop Lo Priority Packets] (tmnxSPIStatsIngQchipDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropLoPrioPkts indicates the number of low priority packets as determined by the SLA profile ingress QoS policy, dropped by the Qchip.
ingQchipDropV4Octets [Ing Qchip Drop V4 Octets] (tmnxSPIStatsIngQchipDropV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV4Octets indicates the number of V4 octets dropped by the ingress Qchip.
ingQchipDropV4Packets [Ing Qchip Drop V4 Packets] (tmnxSPIStatsIngQchipDropV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV4Pkts indicates the number of V4 packets dropped by the ingress Qchip.
ingQchipDropV6Octets [Ing Qchip Drop V6 Octets] (tmnxSPIStatsIngQchipDropV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV6Octets indicates the number of V6 octets dropped by the ingress Qchip.
ingQchipDropV6Packets [Ing Qchip Drop V6 Packets] (tmnxSPIStatsIngQchipDropV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipDropV6Pkts indicates the number of V6 packets dropped by the ingress Qchip.
ingQchipFwdInProfileOctets [Ing Qchip Fwd In Profile Octets] (tmnxSPIStatsIngQchipFwdInProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingQchipFwdInProfilePackets [Ing Qchip Fwd In Profile Packets] (tmnxSPIStatsIngQchipFwdInProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQchipFwdOutProfileOctets [Ing Qchip Fwd Out Profile Octets] (tmnxSPIStatsIngQchipFwdOutProfOctets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdOutProfilePackets [Ing Qchip Fwd Out Profile Packets] (tmnxSPIStatsIngQchipFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingQchipFwdV4Octets [Ing Qchip Fwd V4 Octets] (tmnxSPIStatsIngQchipFwdV4Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV4Octets indicates the number of V4 octets forwarded by the ingress Qchip.
ingQchipFwdV4Packets [Ing Qchip Fwd V4 Packets] (tmnxSPIStatsIngQchipFwdV4Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV4Pkts indicates the number of V4 packets forwarded by the ingress Qchip.
ingQchipFwdV6Octets [Ing Qchip Fwd V6 Octets] (tmnxSPIStatsIngQchipFwdV6Octets)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV6Octets indicates the number of V6 octets forwarded by the ingress Qchip.
ingQchipFwdV6Packets [Ing Qchip Fwd V6 Packets] (tmnxSPIStatsIngQchipFwdV6Pkts)	java. math. BigInteger	The value of tmnxSPIStatsIngQchipFwdV6Pkts indicates the number of V6 packets forwarded by the ingress Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
slaProfileName [Sla Profile Name] (tmnxSLAProfName)	String	The value of tmnxSLAProfName specifies the name of the SLA profile.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubEgrQosArbiterStats</p> <p>MIB entry name: tmnxSubEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular subscriber QoS arbiter.</p> <p>Table description (for tmnxSubEgrQosArbitStatsTable): The tmnxSubEgrQosArbitStatsTable contains egress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
arbiterName [Arbiter Name] (tmnxSubEgrQosArbitStatsName)	String	The value of tmnxSubEgrQosArbitStatsName specifies the egress QoS arbiter of this subscriber.
subEgrQosArbitStatsFwdOcts [Sub Egr Qos Arbit Stats Fwd Octs] (tmnxSubEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
subEgrQosArbitStatsFwdPkts [Sub Egr Qos Arbit Stats Fwd Pkts] (tmnxSubEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber egress policer control policy, offered by the Pchip to the Qchip.
<p>SubEgrQoSchedStats</p> <p>MIB entry name: tmnxSubEgrQosSchedStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubEgrQoSchedStatsTable): The tmnxSubEgrQoSchedStatsTable contains egress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrQoSchedName [Egr QoS Sched Name] (tmnxSubEgrQoS SchedStatsName)	String	The value of tmnxSubEgrQoS SchedStatsName specifies the egress QoS scheduler of this subscriber.
forwardedOctets [Forwarded Octets] (tmnxSubEgrQoS SchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubEgrQoS SchedStatsFwdOctets indicates the number of forwarded octets by the egress Qchip, as determined by the subscriber egress scheduler policy.
forwardedPackets [Forwarded Packets] (tmnxSubEgrQoS SchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubEgrQoS SchedStatsFwdPkts indicates the number of forwarded packets by the egress Qchip, as determined by the subscriber egress scheduler policy.
<p>SubIngQoSArbiterStats</p> <p>MIB entry name: tmnxSubIngQoSArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS arbiter.</p> <p>Table description (for tmnxSubIngQoSArbitStatsTable): The tmnxSubIngQoSArbitStatsTable contains ingress QoS arbiter statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
arbiterName [Arbiter Name] (tmnxSubIngQoSArbitStatsName)	String	The value of tmnxSubIngQoSArbitStatsName specifies the ingress QoS arbiter of this subscriber.
subIngQoSArbitStatsFwdOcts [Sub Ing QoS Arbit Stats Fwd Octs] (tmnxSubIngQoSArbitStatsFwdOcts)	java. math. BigInteger	The value of tmnxSubIngQoSArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQosArbitStatsFwdPkts [Sub Ing Qos Arbit Stats Fwd Pkts] (tmnxSubIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress policer control policy, offered by the Pchip to the Qchip.
<p>SubIngQoSchedStats</p> <p>MIB entry name: tmnxSubIngQoSchedStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular subscriber QoS scheduler.</p> <p>Table description (for tmnxSubIngQoSchedStatsTable): The tmnxSubIngQoSchedStatsTable contains ingress QoS scheduler statistics about subscribers. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
forwardedOctets [Forwarded Octets] (tmnxSubIngQoSchedStatsFwdOctets)	java. math. BigInteger	The value of tmnxSubIngQoSchedStatsFwdOctets indicates the number of forwarded octets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (tmnxSubIngQoSchedStatsFwdPkts)	java. math. BigInteger	The value of tmnxSubIngQoSchedStatsFwdPkts indicates the number of forwarded packets, as determined by the subscriber ingress scheduler policy, offered by the Pchip to the Qchip.
ingQoSchedName [Ing Qos Sched Name] (tmnxSubIngQoSchedStatsName)	String	The value of tmnxSubIngQoSchedStatsName specifies the ingress QoS scheduler of this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberEgrOverrideCounterStats</p> <p>MIB entry name: tmnxSubEgrOverrideCounterEntry</p> <p>Entry description: Egress statistics about a specific subscriber's HSMDA counter.</p> <p>Table description (for tmnxSubEgrOverrideCounterTable): A table that contains egress HSMDA counter subscriber statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrOvrCounterId [Sub Egr Ovr Counter Id] (tmnxSubEgrOvrCntrlId)	long	The value of tmnxSubEgrOvrCntrlId indicates the counter ID for the statistics.
subEgrOvrCounterSubPortId [Sub Egr Ovr Counter Sub Port Id] (tmnxSubEgrOvrCntrlSubPortId)	long	The value of tmnxSubEgrOvrCntrlSubPortId indicates the access port for this entry.
<p>SubscriberEgrOverrideCounterV4V6Stats</p> <p>MIB entry name: tmnxSubEgrOverrideCounterEntry</p> <p>Entry description: Egress statistics about a specific subscriber's HSMDA counter.</p> <p>Table description (for tmnxSubEgrOverrideCounterTable): A table that contains egress HSMDA counter subscriber statistics.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subEgrOvrCounterDropV4Octets [Sub Egr Ovr Counter Drop V4 Octets] (tmnxSubEgrOvrCntrlDropInProfOctets)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrlDropInProfOctets indicates the number of high-priority octets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrlId, on this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrOvrCounterDropV4Packets [Sub Egr Ovr Counter Drop V4 Packets] (tmnxSubEgrOvrCntrDropInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropInProfPkts indicates the number of high-priority packets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterDropV6Octets [Sub Egr Ovr Counter Drop V6 Octets] (tmnxSubEgrOvrCntrDropOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropOutProfOcts indicates the number of low-priority octets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterDropV6Packets [Sub Egr Ovr Counter Drop V6 Packets] (tmnxSubEgrOvrCntrDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrDropOutProfPkts indicates the number of low-priority packets dropped for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV4Octets [Sub Egr Ovr Counter Fwd V4 Octets] (tmnxSubEgrOvrCntrFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdInProfOcts indicates the number of in-profile octets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV4Packets [Sub Egr Ovr Counter Fwd V4 Packets] (tmnxSubEgrOvrCntrFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdInProfPkts indicates the number of in-profile packets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV6Octets [Sub Egr Ovr Counter Fwd V6 Octets] (tmnxSubEgrOvrCntrFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdOutProfOcts indicates the number of out-of-profile octets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterFwdV6Packets [Sub Egr Ovr Counter Fwd V6 Packets] (tmnxSubEgrOvrCntrFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrOvrCntrFwdOutProfPkts indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index tmnxSubEgrOvrCntrId, on this subscriber.
subEgrOvrCounterId [Sub Egr Ovr Counter Id] (tmnxSubEgrOvrCntrId)	long	The value of tmnxSubEgrOvrCntrId indicates the counter ID for the statistics.

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrOvrCounterSubPortId [Sub Egr Ovr Counter Sub Port Id] (tmnxSubEgrOvrCntrSubPortId)	long	The value of tmnxSubEgrOvrCntrSubPortId indicates the access port for this entry.
<p>SubscriberEgrQStats</p> <p>MIB entry name: tmnxSubscriberEgrQStatsEntry</p> <p>Entry description: Egress statistics about a specific subscriber's HSMDA queue.</p> <p>Table description (for tmnxSubscriberEgrQStatsTable): A table that contains subscriber egress HSMDA queue statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
subEgrQStatsHsmdaQueueId [Sub Egr QStats Hsmda Queue Id] (tmnxSubEgrQStatsQueueId)	long	The value of tmnxSubEgrQStatsQueueId index specifies the Hsmda egress queue for this entry.
subEgrQStatsSubPortId [Sub Egr QStats Sub Port Id] (tmnxSubEgrQStatsSubPortId)	long	The value of tmnxSubEgrQStatsSubPortId indicates the access port for this entry.
<p>SubscriberEgrQV4V6Stats</p> <p>MIB entry name: tmnxSubscriberEgrQStatsEntry</p> <p>Entry description: Egress statistics about a specific subscriber's HSMDA queue.</p> <p>Table description (for tmnxSubscriberEgrQStatsTable): A table that contains subscriber egress HSMDA queue statistics.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
subEgrQStatsDropV4Octets [Sub Egr QStats Drop V4 Octets] (tmnxSubEgrQStatsDropInProfOcts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropInProfOcts indicates the number of high-priority octets dropped on egress on this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrQStatsDropV4Packets [Sub Egr QStats Drop V4 Packets] (tmnxSubEgrQStatsDropInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropInProfPkts indicates the number of high-priority packets dropped on egress on this subscriber.
subEgrQStatsDropV6Octets [Sub Egr QStats Drop V6 Octets] (tmnxSubEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropOutProfPkts indicates the number of low-priority octets dropped on egress on this subscriber.
subEgrQStatsDropV6Packets [Sub Egr QStats Drop V6 Packets] (tmnxSubEgrQStatsDropOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsDropOutProfPkts indicates the number of low-priority packets dropped on egress on this subscriber.
subEgrQStatsFwdV4Octets [Sub Egr QStats Fwd V4 Octets] (tmnxSubEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdInProfPkts indicates the number of out-of-profile octets forwarded on egress on this subscriber.
subEgrQStatsFwdV4Packets [Sub Egr QStats Fwd V4 Packets] (tmnxSubEgrQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdInProfPkts indicates the number of in-profile packets forwarded on egress on this subscriber.
subEgrQStatsFwdV6Octets [Sub Egr QStats Fwd V6 Octets] (tmnxSubEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdOutProfPkts indicates the number of out-of-profile octets forwarded on egress on this subscriber.
subEgrQStatsFwdV6Packets [Sub Egr QStats Fwd V6 Packets] (tmnxSubEgrQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubEgrQStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded on egress on this subscriber.
subEgrQStatsHsmdaQueueId [Sub Egr QStats Hsmda Queue Id] (tmnxSubEgrQStatsQueueId)	long	The value of tmnxSubEgrQStatsQueueId index specifies the Hsmda egress queue for this entry.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrQStatsSubPortId [Sub Egr QStats Sub Port Id] (tmnxSubEgrQStatsSubPortId)	long	The value of tmnxSubEgrQStatsSubPortId indicates the access port for this entry.
<p>SubscriberHsmdaStats MIB entry name: tmnxSubscriberHsmdaStatsEntry Entry description: HSMDA statistics for a specific subscriber. Table description (for tmnxSubscriberHsmdaStatsTable): A table that contains HSMDA subscriber statistics. Supports realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
hsmdaStatsSubPortId [Hsmda Stats Sub Port Id] (tmnxSubHsmdaStSubPortId)	long	The value of tmnxSubHsmdaStSubPortId indicates the access port for this entry.
subEgrDropInProfileOctets [Sub Egr Drop In Profile Octets] (tmnxSubHsmdaStEgrDropInProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropInProfOct indicates the number of high-priority octets discarded by the egress Qchip for this subscriber.
subEgrDropInProfilePackets [Sub Egr Drop In Profile Packets] (tmnxSubHsmdaStEgrDropInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropInProfPkt indicates the number of high-priority packets discarded by the egress Qchip for this subscriber.
subEgrDropOutProfileOctets [Sub Egr Drop Out Profile Octets] (tmnxSubHsmdaStEgrDropOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropOutProfOct indicates the number of low-priority octets discarded by the egress Qchip for this subscriber.
subEgrDropOutProfilePackets [Sub Egr Drop Out Profile Packets] (tmnxSubHsmdaStEgrDropOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropOutProfPkt indicates the number of low-priority packets discarded by the egress Qchip for this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrFwdInProfilePackets [Sub Egr Fwd In Profile Packets] (tmnxSubHsmdaStEgrFwdInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdInProfPkt indicates the number of in-profile packets forwarded by the egress Qchip for this subscriber.
subEgrFwdOutProfileOctets [Sub Egr Fwd Out Profile Octets] (tmnxSubHsmdaStEgrFwdOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdOutProfOct indicates the number of out-of-profile octets forwarded by the egress Qchip for this subscriber.
subEgrFwdOutProfilePackets [Sub Egr Fwd Out Profile Packets] (tmnxSubHsmdaStEgrFwdOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdOutProfPkt indicates the number of out-of-profile packets forwarded by the egress Qchip for this subscriber.
subIngDropHiPriorityOctets [Sub Ing Drop Hi Priority Octets] (tmnxSubHsmdaStIngDropHiPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropHiPrioOct indicates the number of high-priority octets discarded by the ingress Qchip for this subscriber.
subIngDropHiPriorityPackets [Sub Ing Drop Hi Priority Packets] (tmnxSubHsmdaStIngDropHiPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropHiPrioPkt indicates the number of high-priority packets discarded by the ingress Qchip for this subscriber.
subIngDropLoPriorityOctets [Sub Ing Drop Lo Priority Octets] (tmnxSubHsmdaStIngDropLoPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropLoPrioOct indicates the number of low-priority octets discarded by the ingress Qchip for this subscriber.
subIngDropLoPriorityPackets [Sub Ing Drop Lo Priority Packets] (tmnxSubHsmdaStIngDropLoPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropLoPrioPkt indicates the number of low-priority packets discarded by the ingress Qchip for this subscriber.
subIngFwdInProfileOctets [Sub Ing Fwd In Profile Octets] (tmnxSubHsmdaStIngFwdInProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdInProfOct indicates the number of out-of-profile octets forwarded by the ingress Qchip for this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngFwdInProfilePackets [Sub Ing Fwd In Profile Packets] (tmnxSubHsmdaStIngFwdInProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdInProfPkt indicates the number of in-profile packets forwarded by the ingress Qchip for this subscriber.
subIngFwdOutProfileOctets [Sub Ing Fwd Out Profile Octets] (tmnxSubHsmdaStIngFwdOutProfOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdOutProfOct indicates the number of out-of-profile octets forwarded by the ingress Qchip for this subscriber.
subIngFwdOutProfilePackets [Sub Ing Fwd Out Profile Packets] (tmnxSubHsmdaStIngFwdOutProfPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdOutProfPkt indicates the number of out-of-profile packets forwarded by the ingress Qchip for this subscriber.
subIngOffHiPrioOct [Sub Ing Off Hi Prio Oct] (tmnxSubHsmdaStIngOffHiPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffHiPrioOct indicates the number of high priority octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffHiPrioOctHw [Sub Ing Off Hi Prio Oct Hw] (tmnxSubHsmdaStIngOffHiPrioOctHw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioOct.
subIngOffHiPrioOctLw [Sub Ing Off Hi Prio Oct Lw] (tmnxSubHsmdaStIngOffHiPrioOctLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioOct.
subIngOffHiPrioPkt [Sub Ing Off Hi Prio Pkt] (tmnxSubHsmdaStIngOffHiPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffHiPrioPkt indicates the number of high priority packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffHiPrioPktHw [Sub Ing Off Hi Prio Pkt Hw] (tmnxSubHsmdaStIngOffHiPrioPktHw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioPkt.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngOffHiPrioPktLw [Sub Ing Off Hi Prio Pkt Lw] (tmnxSubHsmdaStIngOffHiPrioPktLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffHiPrioPkt.
subIngOffLoPrioOct [Sub Ing Off Lo Prio Oct] (tmnxSubHsmdaStIngOffLoPrioOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffLoPrioOct indicates the number of low priority octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffLoPrioOctHw [Sub Ing Off Lo Prio Oct Hw] (tmnxSubHsmdaStIngOffLoPrioOctHw)	long	The value of tmnxSubHsmdaStIngOffLoPrioOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioOct.
subIngOffLoPrioOctLw [Sub Ing Off Lo Prio Oct Lw] (tmnxSubHsmdaStIngOffLoPrioOctLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioOct.
subIngOffLoPrioPkt [Sub Ing Off Lo Prio Pkt] (tmnxSubHsmdaStIngOffLoPrioPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffLoPrioPkt indicates the number of low priority packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffLoPrioPktHw [Sub Ing Off Lo Prio Pkt Hw] (tmnxSubHsmdaStIngOffLoPrioPktHw)	long	The value of tmnxSubHsmdaStIngOffLoPrioPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioPkt.
subIngOffLoPrioPktLw [Sub Ing Off Lo Prio Pkt Lw] (tmnxSubHsmdaStIngOffLoPrioPktLw)	long	The value of tmnxSubHsmdaStIngOffHiPrioPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffLoPrioPkt.
subIngOffTotalOctets [Sub Ing Off Total Octets] (tmnxSubHsmdaStIngOffTotalOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffTotalOct indicates the total number of octets offered on ingress for this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngOffTotalPackets [Sub Ing Off Total Packets] (tmnxSubHsmdaStIngOffTotalPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffTotalPkt indicates the total number of packets offered on ingress for this subscriber.
subIngOffUncolOct [Sub Ing Off Uncol Oct] (tmnxSubHsmdaStIngOffUncolOct)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffUncolOct indicates the number of uncolored octets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffUncolOctHw [Sub Ing Off Uncol Oct Hw] (tmnxSubHsmdaStIngOffUncolOctHw)	long	The value of tmnxSubHsmdaStIngOffUncolOctHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffUncolOct.
subIngOffUncolOctLw [Sub Ing Off Uncol Oct Lw] (tmnxSubHsmdaStIngOffUncolOctLw)	long	The value of tmnxSubHsmdaStIngOffUncolOctLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffUncolOct.
subIngOffUncolPkt [Sub Ing Off Uncol Pkt] (tmnxSubHsmdaStIngOffUncolPkt)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffUncolPkt indicates the number of uncolored packets offered by the Pchip to the Qchip for this subscriber. This is only supported for subscribers on an HSM DA-2.
subIngOffUncolPktHw [Sub Ing Off Uncol Pkt Hw] (tmnxSubHsmdaStIngOffUncolPktHw)	long	The value of tmnxSubHsmdaStIngOffUncolPktHw indicates the higher 32-bits word of the value of tmnxSubHsmdaStIngOffUncolPkt.
subIngOffUncolPktLw [Sub Ing Off Uncol Pkt Lw] (tmnxSubHsmdaStIngOffUncolPktLw)	long	The value of tmnxSubHsmdaStIngOffUncolPktLw indicates the lower 32-bits word of the value of tmnxSubHsmdaStIngOffUncolPkt.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberHsmdaV4V6Stats</p> <p>MIB entry name: tmnxSubscriberHsmdaStatsEntry</p> <p>Entry description: HSMDA statistics for a specific subscriber.</p> <p>Table description (for tmnxSubscriberHsmdaStatsTable): A table that contains HSMDA subscriber statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
hsmdaStatsSubPortId [Hsmda Stats Sub Port Id] (tmnxSubHsmdaStSubPortId)	long	The value of tmnxSubHsmdaStSubPortId indicates the access port for this entry.
subEgrDropV4Octets [Sub Egr Drop V4 Octets] (tmnxSubHsmdaStEgrDropV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV4Octets indicates the number of IPv4 octets discarded by the egress Qchip for this subscriber.
subEgrDropV4Packets [Sub Egr Drop V4 Packets] (tmnxSubHsmdaStEgrDropV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV4Packets indicates the number of IPv4 packets discarded by the egress Qchip for this subscriber.
subEgrDropV6Octets [Sub Egr Drop V6 Octets] (tmnxSubHsmdaStEgrDropV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV6Octets indicates the number of IPv6 octets discarded by the egress Qchip for this subscriber.
subEgrDropV6Packets [Sub Egr Drop V6 Packets] (tmnxSubHsmdaStEgrDropV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrDropV6Packets indicates the number of IPv6 packets discarded by the egress Qchip for this subscriber.
subEgrFwdV4Octets [Sub Egr Fwd V4 Octets] (tmnxSubHsmdaStEgrFwdV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV4Octets indicates the number of IPv4 octets forwarded by the egress Qchip for this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subEgrFwdV4Packets [Sub Egr Fwd V4 Packets] (tmnxSubHsmdaStEgrFwdV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV4Packets indicates the number of IPv4 packets forwarded by the egress Qchip for this subscriber.
subEgrFwdV6Octets [Sub Egr Fwd V6 Octets] (tmnxSubHsmdaStEgrFwdV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV6Octets indicates the number of IPv6 octets forwarded by the egress Qchip for this subscriber.
subEgrFwdV6Packets [Sub Egr Fwd V6 Packets] (tmnxSubHsmdaStEgrFwdV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStEgrFwdV6Packets indicates the number of IPv6 packets forwarded by the egress Qchip for this subscriber.
subIngDropV4Octets [Sub Ing Drop V4 Octets] (tmnxSubHsmdaStIngDropV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV4Octets indicates the number of IPv4 octets discarded by the ingress Qchip for this subscriber.
subIngDropV4Packets [Sub Ing Drop V4 Packets] (tmnxSubHsmdaStIngDropV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV4Packets indicates the number of IPv4 packets discarded by the ingress Qchip for this subscriber.
subIngDropV6Octets [Sub Ing Drop V6 Octets] (tmnxSubHsmdaStIngDropV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV6Octets indicates the number of IPv6 octets discarded by the ingress Qchip for this subscriber.
subIngDropV6Packets [Sub Ing Drop V6 Packets] (tmnxSubHsmdaStIngDropV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngDropV6Packets indicates the number of IPv6 packets discarded by the ingress Qchip for this subscriber.
subIngFwdV4Octets [Sub Ing Fwd V4 Octets] (tmnxSubHsmdaStIngFwdV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV4Octets indicates the number of IPv4 octets forwarded by the ingress Qchip for this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngFwdV4Packets [Sub Ing Fwd V4 Packets] (tmnxSubHsmdaStIngFwdV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV4Packets indicates the number of IPv4 packets forwarded by the ingress Qchip for this subscriber.
subIngFwdV6Octets [Sub Ing Fwd V6 Octets] (tmnxSubHsmdaStIngFwdV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV6Octets indicates the number of IPv6 octets forwarded by the ingress Qchip for this subscriber.
subIngFwdV6Packets [Sub Ing Fwd V6 Packets] (tmnxSubHsmdaStIngFwdV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngFwdV6Packets indicates the number of IPv6 packets forwarded by the ingress Qchip for this subscriber.
subIngOffV4Octets [Sub Ing Off V4 Octets] (tmnxSubHsmdaStIngOffV4Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV4Octets indicates the number of IPv4 octets offered on ingress for this subscriber.
subIngOffV4Packets [Sub Ing Off V4 Packets] (tmnxSubHsmdaStIngOffV4Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV4Packets indicates the number of IPv4 packets offered on ingress for this subscriber.
subIngOffV6Octets [Sub Ing Off V6 Octets] (tmnxSubHsmdaStIngOffV6Octets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV6Octets indicates the number of IPv6 octets offered on ingress for this subscriber.
subIngOffV6Packets [Sub Ing Off V6 Packets] (tmnxSubHsmdaStIngOffV6Packets)	java. math. BigInteger	The value of tmnxSubHsmdaStIngOffV6Packets indicates the number of IPv6 packets offered on ingress for this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberIngPStats</p> <p>MIB entry name: tmnxSubIngPStatsEntry</p> <p>Entry description: Each row entry contains ingress QoS policer statistics about a particular HSMDA-2 subscriber and policer. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Table description (for tmnxSubIngPStatsTable): The tmnxSubIngPStatsTable contains ingress QoS policer statistics about HSMDA-2 subscribers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngPStatsDrpHiPrioOctsH [Sub Ing PStats Drp Hi Prio Octs H] (tmnxSubIngPStatsDrpHiPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpHiPrioOcts.
subIngPStatsDrpHiPrioOctsL [Sub Ing PStats Drp Hi Prio Octs L] (tmnxSubIngPStatsDrpHiPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpHiPrioOcts.
subIngPStatsDrpHiPrioPktsH [Sub Ing PStats Drp Hi Prio Pkts H] (tmnxSubIngPStatsDrpHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpHiPrioPkts.
subIngPStatsDrpHiPrioPktsL [Sub Ing PStats Drp Hi Prio Pkts L] (tmnxSubIngPStatsDrpHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpHiPrioPkts.
subIngPStatsDrpLoPrioOctsH [Sub Ing PStats Drp Lo Prio Octs H] (tmnxSubIngPStatsDrpLoPrioOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpLoPrioOcts.
subIngPStatsDrpLoPrioOctsL [Sub Ing PStats Drp Lo Prio Octs L] (tmnxSubIngPStatsDrpLoPrioOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpLoPrioOcts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsDrpLoPrioPktsH [Sub Ing PStats Drp Lo Prio Pkts H] (tmnxSubIngPStatsDrpLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsDrpLoPrioPkts.
subIngPStatsDrpLoPrioPktsL [Sub Ing PStats Drp Lo Prio Pkts L] (tmnxSubIngPStatsDrpLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsDrpLoPrioPkts.
subIngPStatsFwdInProfOctsH [Sub Ing PStats Fwd In Prof Octs H] (tmnxSubIngPStatsFwdInProfOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdInProfOcts.
subIngPStatsFwdInProfOctsL [Sub Ing PStats Fwd In Prof Octs L] (tmnxSubIngPStatsFwdInProfOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdInProfOcts.
subIngPStatsFwdInProfPktsH [Sub Ing PStats Fwd In Prof Pkts H] (tmnxSubIngPStatsFwdInProfPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdInProfPkts.
subIngPStatsFwdInProfPktsL [Sub Ing PStats Fwd In Prof Pkts L] (tmnxSubIngPStatsFwdInProfPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdInProfPkts.
subIngPStatsFwdOutProfOctsH [Sub Ing PStats Fwd Out Prof Octs H] (tmnxSubIngPStatsFwdOutProfOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdOutProfOcts.
subIngPStatsFwdOutProfOctsL [Sub Ing PStats Fwd Out Prof Octs L] (tmnxSubIngPStatsFwdOutProfOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdOutProfOcts.
subIngPStatsFwdOutProfPktsH [Sub Ing PStats Fwd Out Prof Pkts H] (tmnxSubIngPStatsFwdOutProfPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsFwdOutProfPkts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsFwdOutProfPktsL [Sub Ing PStats Fwd Out Prof Pkts L] (tmnxSubIngPStatsFwdOutProfPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsFwdOutProfPkts.
subIngPStatsMode [Sub Ing PStats Mode] (tmnxSubIngPStatsMode)	int	The value of tmnxSPIngpStatsMode indicates the stat mode used by the policer.
subIngPStatsOffHiPrioPktsH [Sub Ing PStats Off Hi Prio Pkts H] (tmnxSubIngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffHiPrioPktsL [Sub Ing PStats Off Hi Prio Pkts L] (tmnxSubIngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffHiPrioPktsH [Sub Ing PStats Off Hi Prio Pkts H] (tmnxSubIngPStatsOffHiPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffHiPrioPktsL [Sub Ing PStats Off Hi Prio Pkts L] (tmnxSubIngPStatsOffHiPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffHiPrioPkts.
subIngPStatsOffLoPrioPktsH [Sub Ing PStats Off Lo Prio Pkts H] (tmnxSubIngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffLoPrioPkts.
subIngPStatsOffLoPrioPktsL [Sub Ing PStats Off Lo Prio Pkts L] (tmnxSubIngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffLoPrioPkts.
subIngPStatsOffLoPrioPktsH [Sub Ing PStats Off Lo Prio Pkts H] (tmnxSubIngPStatsOffLoPrioPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffLoPrioPkts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngPStatsOffLoPrioPktsL [Sub Ing PStats Off Lo Prio Pkts L] (tmnxSubIngPStatsOffLoPrioPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffLoPrioPkts.
subIngPStatsOffUncolOcts [Sub Ing PStats Off Uncol Octs] (tmnxSubIngPStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffUncolOcts indicates the number of uncolored octets offered to the ingress Pchip.
subIngPStatsOffUncolOctsH [Sub Ing PStats Off Uncol Octs H] (tmnxSubIngPStatsOffUncolOctsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffUncolOcts.
subIngPStatsOffUncolOctsL [Sub Ing PStats Off Uncol Octs L] (tmnxSubIngPStatsOffUncolOctsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffUncolOcts.
subIngPStatsOffUncolPkts [Sub Ing PStats Off Uncol Pkts] (tmnxSubIngPStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSubIngPStatsOffUncolPkts indicates the number of uncolored packets offered to the ingress Pchip.
subIngPStatsOffUncolPktsH [Sub Ing PStats Off Uncol Pkts H] (tmnxSubIngPStatsOffUncolPktsH)	long	Indicates the upper 32 bits of tmnxSubIngPStatsOffUncolPkts.
subIngPStatsOffUncolPktsL [Sub Ing PStats Off Uncol Pkts L] (tmnxSubIngPStatsOffUncolPktsL)	long	Indicates the lower 32 bits of tmnxSubIngPStatsOffUncolPkts.

Table 568 resubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SubscriberIngQStats</p> <p>MIB entry name: tmnxSubscriberIngQStatsEntry</p> <p>Entry description: Ingress statistics about a specific subscriber's HSMDA queue.</p> <p>Table description (for tmnxSubscriberIngQStatsTable): A table that contains subscriber ingress HSMDA queue statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: resubscr.ResidentialSubscriberInstance</p>		
subIngQStatsHsmdaQueueId [Sub Ing QStats Hsmda Queue Id] (tmnxSubIngQStatsQueueId)	long	The value of tmnxSubIngQStatsQueueId index specifies the Hsmda ingress queue for this entry.
subIngQStatsOffHiPrioOctsHw [Sub Ing QStats Off Hi Prio Octs Hw] (tmnxSubIngQStatsOffHiPrioOctsHw)	long	The value of tmnxSubIngQStatsOffHiPrioOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffHiPrioOcts.
subIngQStatsOffHiPrioOctsLw [Sub Ing QStats Off Hi Prio Octs Lw] (tmnxSubIngQStatsOffHiPrioOctsLw)	long	The value of tmnxSubIngQStatsOffHiPrioOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffHiPrioOcts.
subIngQStatsOffHiPrioPktsHw [Sub Ing QStats Off Hi Prio Pkts Hw] (tmnxSubIngQStatsOffHiPrioPktsHw)	long	The value of tmnxSubIngQStatsOffHiPrioPkts indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffHiPrioPkts.
subIngQStatsOffHiPrioPktsLw [Sub Ing QStats Off Hi Prio Pkts Lw] (tmnxSubIngQStatsOffHiPrioPktsLw)	long	The value of tmnxSubIngQStatsOffHiPrioPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffHiPrioPkts.
subIngQStatsOffLoPrioOctsHw [Sub Ing QStats Off Lo Prio Octs Hw] (tmnxSubIngQStatsOffLoPrioOctsHw)	long	The value of tmnxSubIngQStatsOffLoPrioOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffLoPrioOcts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffLoPrioOctsLw [Sub Ing QStats Off Lo Prio Octs Lw] (tmnxSubIngQStatsOffLoPrioOctsLw)	long	The value of tmnxSubIngQStatsOffLoPrioOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffLoPrioOcts.
subIngQStatsOffLoPrioPktsHw [Sub Ing QStats Off Lo Prio Pkts Hw] (tmnxSubIngQStatsOffLoPrioPktsHw)	long	The value of tmnxSubIngQStatsOffLoPrioPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffLoPrioPkts.
subIngQStatsOffLoPrioPktsLw [Sub Ing QStats Off Lo Prio Pkts Lw] (tmnxSubIngQStatsOffLoPrioPktsLw)	long	The value of tmnxSubIngQStatsOffLoPrioPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffLoPrioPkts.
subIngQStatsOffTotalOctets [Sub Ing QStats Off Total Octets] (tmnxSubIngQStatsOffTotalOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffTotalOcts indicates the total number of octets offered on ingress on this subscriber.
subIngQStatsOffTotalPackets [Sub Ing QStats Off Total Packets] (tmnxSubIngQStatsOffTotalPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffTotalPkts indicates the total number of packets offered for this subscriber.
subIngQStatsOffUncolOcts [Sub Ing QStats Off Uncol Octs] (tmnxSubIngQStatsOffUncolOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffUncolOcts indicates the number of uncolored octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffUncolOctsHw [Sub Ing QStats Off Uncol Octs Hw] (tmnxSubIngQStatsOffUncolOctsHw)	long	The value of tmnxSubIngQStatsOffUncolOctsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffUncolOcts.
subIngQStatsOffUncolOctsLw [Sub Ing QStats Off Uncol Octs Lw] (tmnxSubIngQStatsOffUncolOctsLw)	long	The value of tmnxSubIngQStatsOffUncolOctsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffUncolOcts.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffUncolPkts [Sub Ing QStats Off Uncol Pkts] (tmnxSubIngQStatsOffUncolPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffUncolPkts indicates the number of uncolored packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffUncolPktsHw [Sub Ing QStats Off Uncol Pkts Hw] (tmnxSubIngQStatsOffUncolPktsHw)	long	The value of tmnxSubIngQStatsOffUncolPktsHw indicates the higher 32-bits word of the value of tmnxSubIngQStatsOffUncolPkts.
subIngQStatsOffUncolPktsLw [Sub Ing QStats Off Uncol Pkts Lw] (tmnxSubIngQStatsOffUncolPktsLw)	long	The value of tmnxSubIngQStatsOffUncolPktsLw indicates the lower 32-bits word of the value of tmnxSubIngQStatsOffUncolPkts.
subIngQStatsSubPortId [Sub Ing QStats Sub Port Id] (tmnxSubIngQStatsSubPortId)	long	The value of tmnxSubIngQStatsSubPortId indicates the access port for this entry.
<p>SubscriberIngQV4V6Stats MIB entry name: tmnxSubscriberIngQStatsEntry Entry description: Ingress statistics about a specific subscriber's HSMDA queue. Table description (for tmnxSubscriberIngQStatsTable): A table that contains subscriber ingress HSMDA queue statistics. Does not support realtime plotting Supports scheduled collection Monitored class: ressubscr.ResidentialSubscriberInstance</p>		
subIngQStatsDropV4Octets [Sub Ing QStats Drop V4 Octets] (tmnxSubIngQStatsDropHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropHiPrioOcts indicates the number of high-priority octets dropped on ingress on this subscriber.
subIngQStatsDropV4Packets [Sub Ing QStats Drop V4 Packets] (tmnxSubIngQStatsDropHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropHiPrioPkts indicates the number of high-priority packets dropped on ingress on this subscriber.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsDropV6Octets [Sub Ing QStats Drop V6 Octets] (tmnxSubIngQStatsDropLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropLoPrioOcts indicates the number of low-priority octets dropped on ingress on this subscriber.
subIngQStatsDropV6Packets [Sub Ing QStats Drop V6 Packets] (tmnxSubIngQStatsDropLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsDropLoPrioPkts indicates the number of low-priority packets dropped on ingress on this subscriber.
subIngQStatsFwdV4Octets [Sub Ing QStats Fwd V4 Octets] (tmnxSubIngQStatsFwdInProfOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdInProfOcts indicates the number of out-of-profile octets forwarded on ingress on this subscriber.
subIngQStatsFwdV4Packets [Sub Ing QStats Fwd V4 Packets] (tmnxSubIngQStatsFwdInProfPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdInProfPkts indicates the number of in-profile packets forwarded on ingress on this subscriber.
subIngQStatsFwdV6Octets [Sub Ing QStats Fwd V6 Octets] (tmnxSubIngQStatsFwdOutProfOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdOutProfOcts indicates the number of out-of-profile octets forwarded on ingress on this subscriber.
subIngQStatsFwdV6Packets [Sub Ing QStats Fwd V6 Packets] (tmnxSubIngQStatsFwdOutProfPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsFwdOutProfPkts indicates the number of out-of-profile packets forwarded on ingress on this subscriber.
subIngQStatsHsmdaQueueId [Sub Ing QStats Hsmda Queue Id] (tmnxSubIngQStatsQueueId)	long	The value of tmnxSubIngQStatsQueueId index specifies the Hsmda ingress queue for this entry.
subIngQStatsOffV4Octs [Sub Ing QStats Off V4 Octs] (tmnxSubIngQStatsOffHiPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffHiPrioOcts indicates the number of high-priority octets offered by the Pchip to the Qchip for this subscriber and this HSMDDA-2 queue.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subIngQStatsOffV4Pkts [Sub Ing QStats Off V4 Pkts] (tmnxSubIngQStatsOffHiPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffHiPrioPkts indicates the number of high-priority packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV6Octs [Sub Ing QStats Off V6 Octs] (tmnxSubIngQStatsOffLoPrioOcts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffLoPrioOcts indicates the number of low-priority octets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsOffV6Pkts [Sub Ing QStats Off V6 Pkts] (tmnxSubIngQStatsOffLoPrioPkts)	java. math. BigInteger	The value of tmnxSubIngQStatsOffLoPrioPkts indicates the number of low-priority packets offered by the Pchip to the Qchip for this subscriber and this HSMDA-2 queue.
subIngQStatsSubPortId [Sub Ing QStats Sub Port Id] (tmnxSubIngQStatsSubPortId)	long	The value of tmnxSubIngQStatsSubPortId indicates the access port for this entry.
<p>SubscriberServiceStats</p> <p>MIB entry name: tmnxSubHostInfoV2Entry</p> <p>Entry description: Each row entry contains information about a particular subscriber host available in the system.</p> <p>Table description (for tmnxSubHostInfoV2Table): The tmnxSubHostInfoV2Table has an entry for each subscriber host found in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ressubscr.SubscriberService</p>		
ipAddress [Ip Address] (tmnxSubHostInfoV2IpAddress)	String	The value of tmnxSubHostInfoV2IpAddress specifies the IP address of this subscriber host.
ipAddressType [Ip Address Type] (tmnxSubHostInfoV2IpAddressType)	int	The value of tmnxSubHostInfoV2IpAddressType specifies the type of address stored in tmnxSubHostInfoV2IpAddress.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
macAddress [Mac Address] (tmnxSubHostInfoV2MacAddress)	String	The value of tmnxSubHostInfoV2MacAddress specifies the MAC address of this subscriber host.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
pppoeSessionId [Pppoe Session Id] (tmnxSubHostInfoV2PppoeSessionId)	long	The value of tmnxSubHostInfoV2PppoeSessionId specifies the PPPoE session id of this subscriber host.
sapEncapValue [Sap Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
subSvcId [Sub Svc Id] (tmnxSubSvcId)	long	The value of tmnxSubSvcId indicates the identifier of this subscriber service.
subSvcInOcts [Sub Svc In Octs] (tmnxSubSvcInOcts)	java. math. BigInteger	The value of tmnxSubSvcInOcts indicates the number of ingress octets sent for this subscriber service.
subSvcInPkts [Sub Svc In Pkts] (tmnxSubSvcInPkts)	java. math. BigInteger	The value of tmnxSubSvcInPkts indicates the number of ingress packets sent for this subscriber service.
subSvcOutOcts [Sub Svc Out Octs] (tmnxSubSvcOutOcts)	java. math. BigInteger	The value of tmnxSubSvcOutOcts indicates the number of egress octets sent for this subscriber service.

Table 568 ressubscr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subSvcOutPckts [Sub Svc Out Pckts] (tmnxSubSvcOutPckts)	java. math. BigInteger	The value of tmnxSubSvcOutPckts indicates the number of egress packets sent for this subscriber service.
svclId [Svc Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>TotalPppSubscrSessionStats</p> <p>MIB entry name: tmnxSubPppTypeEntry</p> <p>Entry description: Each conceptual row represents information about a specific type of subscriber PPP. Entries in this table are created and destroyed by the system.</p> <p>Table description (for tmnxSubPppTypeTable): The tmnxSubPppTypeTable has an entry for each each type of subscriber PPP Session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: netw.NetworkElement</p>		
pPpType [PPPTType] (tmnxSubPppTypeIndex)	int	The value of the object tmnxSubPppTypeIndex indicates the type of subscriber PPP.
pPpL2tp [PPPo L2 tp] (tmnxSubPppTypeSessions)	long	The value of the object tmnxSubPppTypeSessions indicates the actual number of PPP session of this type.

Table 569 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceReceiveStats MIB entry name: tmnxRipNgIfStatEntry Entry description: tmnxRipNgIfStatEntry is an entry (conceptual row) in the tmnxRipNgIfStatTable. Each entry represents statistical information for a RIP/RIP-NG interface. Table description (for tmnxRipNgIfStatTable): tmnxRipNgIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP/RIP-NG. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		
badPackets [Bad Packets] (tmnxRipNgIfStatAllRcvBadPkts)	long	tmnxRipNgIfStatAllRcvBadPkts is the number of RIPv1/RIP-NG updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (tmnxRipNgIfStatV1BadRoutes)	long	tmnxRipNgIfStatV1BadRoutes is the number of routes, in valid RIPv1/RIP-NG packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (tmnxRipNgIfStatV1RcvRequests)	long	tmnxRipNgIfStatV1RcvRequests is the number of RIPv1/RIP-NG request packets received.
v1RequestsIgnored [V1 Requests Ignored] (tmnxRipNgIfStatV1BadRequests)	long	tmnxRipNgIfStatV1BadRequests is the number of RIPv1/RIP-NG request packets received that were subsequently discarded for any reason.
v1Updates [V1 Updates] (tmnxRipNgIfStatV1RcvUpdates)	long	tmnxRipNgIfStatV1RcvUpdates is the number of RIPv1/RIP-NG response packets received.
v1UpdatesIgnored [V1 Updates Ignored] (tmnxRipNgIfStatV1BadUpdates)	long	tmnxRipNgIfStatV1BadUpdates is the number of RIPv1/RIP-NG response packets received which were subsequently discarded for any reason.

Table 569 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (tmnxRipNgIfStatAuthErrors)	long	tmnxRipNgIfStatAuthErrors is the number of RIPv2 packets received which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (tmnxRipNgIfStatV2BadRoutes)	long	tmnxRipNgIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (tmnxRipNgIfStatV2RcvRequests)	long	tmnxRipNgIfStatV2RcvRequests is the number of RIPv2 request packets received.
v2RequestsIgnored [V2 Requests Ignored] (tmnxRipNgIfStatV2BadRequests)	long	tmnxRipNgIfStatV2BadRequests is the number of RIPv2 request packets received that were subsequently discarded for any reason.
v2Updates [V2 Updates] (tmnxRipNgIfStatV2RcvUpdates)	long	tmnxRipNgIfStatV2RcvUpdates is the number of RIPv2 response packets received.
v2UpdatesIgnored [V2 Updates Ignored] (tmnxRipNgIfStatV2BadUpdates)	long	tmnxRipNgIfStatV2BadUpdates is the number of RIPv2 response packets received which were subsequently discarded for any reason.
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxRipNgIfStatEntry</p> <p>Entry description: tmnxRipNgIfStatEntry is an entry (conceptual row) in the tmnxRipNgIfStatTable. Each entry represents statistical information for a RIP/RIP-NG interface.</p> <p>Table description (for tmnxRipNgIfStatTable): tmnxRipNgIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP/RIP-NG.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		

Table 569 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (tmnxRipNgIfStatAllSentUpdates)	long	tmnxRipNgIfStatAllSentUpdates is the number of all RIPv1/RIP-NG updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (tmnxRipNgIfStatAllTrigUpdates)	long	tmnxRipNgIfStatAllTrigUpdates is the number of triggered RIPv1/RIP-NG updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 570 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
RsvpInterfaceStats MIB entry name: vRtrRsvplfEntry Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation. Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB. Supports realtime plotting Supports scheduled collection Monitored class: rsvp.Interface		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth specifies the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 570 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 571 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>Dhcp6DropStats</p> <p>MIB entry name: vRtrDHCP6DropStatEntry</p> <p>Entry description: Each row entry represents a collection of DHCP6 drop reason statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrDHCP6DropStatTable): The vRtrDHCP6DropStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
dropByDhcpFilterPktsDropped [Drop By Dhcp Filter Pkts Dropped] (vRtrDHCP6DropStatPktsDropped)	long	The value of vRtrDHCP6DropStatPktsDropped indicates the number of DHCP6 packets were dropped for the reason described in vRtrDHCP6DropStatReason.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dhcp6Stats</p> <p>MIB entry name: vRtrDHCP6MsgStatEntry</p> <p>Entry description: Each row entry represents a collection of counters for each DHCP6 message type for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrDHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
dhcp6MsgTypeRelayReplyDrpPkts [Dhcp 6 Msg Type Relay Reply Drp Pkts] (vRtrDHCP6MsgStatsDropped)	long	The value of vRtrDHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.
dhcp6MsgTypeRelayReplyRxPkts [Dhcp 6 Msg Type Relay Reply Rx Pkts] (vRtrDHCP6MsgStatsRcvd)	long	The value of vRtrDHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.
dhcp6MsgTypeRelayReplyTxPkts [Dhcp 6 Msg Type Relay Reply Tx Pkts] (vRtrDHCP6MsgStatsSent)	long	The value of vRtrDHCP6MsgStatsSent indicates the number of DHCP6 packets were sent of the DHCP6 message type indicated by vRtrDHCP6MsgStatsMsgType.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
clientPktsProxUDB [Client Pkts Prox UDB] (vRtrIfDHCPRelayClientPktsProxUDB)	long	vRtrIfDHCPRelayClientPktsProxUDB indicates the total number of client packets proxied by the DHCP relay agent based on the local user database.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>DhcpRelayV6Stats MIB entry name: svclfdHCP6MsgStatEntry Entry description: Each row entry represents a collection of counters for each DHCP6 message type for an interface in a service. Entries cannot be created and deleted via SNMP SET operations. Table description (for svclfdHCP6MsgStatTable): The vRtrDHCP6MsgStatTable has an entry for each interface defined in a service for which DHCP6 can be enabled. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayV6Configuration • rtr.DhcpRelayV6ProxyServer 		
droppedPackets [Dropped Packets] (svclfdHCP6MsgStatsDropped)	long	The value of svclfdHCP6MsgStatsDropped indicates the number of DHCP6 packets were dropped on this service interface.
receivedPackets [Received Packets] (svclfdHCP6MsgStatsRcvd)	long	The value of svclfdHCP6MsgStatsRcvd indicates the number of DHCP6 packets were received on this service interface.
transmittedPackets [Transmitted Packets] (svclfdHCP6MsgStatsSent)	long	The value of svclfdHCP6MsgStatsSent indicates the number of DHCP6 packets were sent on this service interface.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpInterfaceAdditionalStats</p> <p>MIB entry name: vRtrIfStatsExtEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsExtTable): The vRtrIfStatsExtTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • service.GroupInterface • service.L3AccessInterface • vprn.NetworkInterface 		
txBytes [Tx Bytes] (vRtrIfTxBytes)	java. math. BigInteger	The value of vRtrIfTxBytes indicates the number of total bytes sent by this interface.
txBytesHigh32 [Tx Bytes High 32] (vRtrIfTxBytesHigh32)	long	The value of vRtrIfTxBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxBytes.
txBytesLow32 [Tx Bytes Low 32] (vRtrIfTxBytesLow32)	long	The value of vRtrIfTxBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxBytes.
txPkts [Tx Pkts] (vRtrIfTxPkts)	java. math. BigInteger	The value of vRtrIfTxPkts indicates the number of total packets sent by this interface.
txPktsHigh32 [Tx Pkts High 32] (vRtrIfTxPktsHigh32)	long	The value of vRtrIfTxPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxPkts.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPktsLow32 [Tx Pkts Low 32] (vRtrIfTxPktsLow32)	long	The value of vRtrIfTxPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxPkts.
<p>IpInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>MacAccountingStats MIB entry name: vRtrIfMacAccountingStatsEntry Entry description: Each row entry represents the MAC statistics per virtual router interface. Table description (for vRtrIfMacAccountingStatsTable): The vRtrIfMacAccountingStatsTable table contains MAC statistics per virtual router interface. Does not support realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.NetworkInterface • service.L3AccessInterface </p>		
inFrames [In Frames] (vRtrIfMacAccountingInFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInFrames indicates the number of total frames received in this MAC Address.
inFramesHigh32 [In Frames High 32] (vRtrIfMacAccountingInFramesH)	long	The value of vRtrIfMacAccountingInFramesH indicates the higher 32 bits of vRtrIfMacAccountingInFrames.
inFramesLow32 [In Frames Low 32] (vRtrIfMacAccountingInFramesL)	long	The value of vRtrIfMacAccountingInFramesL indicates the lower 32 bits of vRtrIfMacAccountingInFrames.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOctets [In Octets] (vRtrIfMacAccountingInOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInOctets indicates the number of total octets received in this MAC Address.
inOctetsHigh32 [In Octets High 32] (vRtrIfMacAccountingInOctetsH)	long	The value of vRtrIfMacAccountingInOctetsH indicates the higher 32 bits of vRtrIfMacAccountingInOctets.
inOctetsLow32 [In Octets Low 32] (vRtrIfMacAccountingInOctetsL)	long	The value of vRtrIfMacAccountingInOctetsL indicates the lower 32 bits of vRtrIfMacAccountingInOctets.
macAddress [Mac Address] (vRtrIfSourceMacAddress)	String	The value of the object vRtrIfSourceMacAddress indicates the source MAC address.
outFrames [Out Frames] (vRtrIfMacAccountingOutFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutFrames indicates the number of total frames transmitted in this MAC Address.
outFramesHigh32 [Out Frames High 32] (vRtrIfMacAccountingOutFramesH)	long	The value of vRtrIfMacAccountingOutFramesH indicates the higher 32 bits of vRtrIfMacAccountingOutFrames.
outFramesLow32 [Out Frames Low 32] (vRtrIfMacAccountingOutFramesL)	long	The value of vRtrIfMacAccountingOutFramesL indicates the lower 32 bits of vRtrIfMacAccountingOutFrames.
outOctets [Out Octets] (vRtrIfMacAccountingOutOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutOctets indicates the number of total octets transmitted in this MAC Address.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOctetsHigh32 [Out Octets High 32] (vRtrIfMacAccountingOutOctetsH)	long	The value of vRtrIfMacAccountingOutOctetsH indicates the higher 32 bits of vRtrIfMacAccountingOutOctets.
outOctetsLow32 [Out Octets Low 32] (vRtrIfMacAccountingOutOctetsL)	long	The value of vRtrIfMacAccountingOutOctetsL indicates the lower 32 bits of vRtrIfMacAccountingOutOctets.
<p>NetworkInterfaceReasStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.L3AccessInterface </p>		
ipReasBytesRx [Ip Reas Bytes Rx] (vRtrIfIpReasBytesRx)	java. math. BigInteger	The value of vRtrIfIpReasBytesRx indicates the number of total bytes received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasBytesRxHigh32 [Ip Reas Bytes Rx High 32] (vRtrIfIpReasBytesRxHigh32)	long	The value of vRtrIfIpReasBytesRxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasBytesRx.
ipReasBytesRxLow32 [Ip Reas Bytes Rx Low 32] (vRtrIfIpReasBytesRxLow32)	long	The value of vRtrIfIpReasBytesRxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasBytesRx.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasBytesTx [Ip Reas Bytes Tx] (vRtrIfIpReasBytesTx)	java. math. BigInteger	The value of vRtrIfIpReasBytesTx indicates the number of total bytes sent from this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasBytesTxHigh32 [Ip Reas Bytes Tx High 32] (vRtrIfIpReasBytesTxHigh32)	long	The value of vRtrIfIpReasBytesTxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasBytesTx.
ipReasBytesTxLow32 [Ip Reas Bytes Tx Low 32] (vRtrIfIpReasBytesTxLow32)	long	The value of vRtrIfIpReasBytesTxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasBytesTx.
ipReasFragBytesRcvd [Ip Reas Frag Bytes Rcvd] (vRtrIfIpReasFragBytesRcvd)	java. math. BigInteger	The value of vRtrIfIpReasFragBytesRcvd indicates the number of fragmented bytes received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasFragBytesRcvdHigh32 [Ip Reas Frag Bytes Rcvd High 32] (vRtrIfIpReasFragBytesRcvdHigh32)	long	The value of vRtrIfIpReasFragBytesRcvdHigh32 indicates the high 32 bits of the value of vRtrIfIpReasFragBytesRcvd.
ipReasFragBytesRcvdLow32 [Ip Reas Frag Bytes Rcvd Low 32] (vRtrIfIpReasFragBytesRcvdLow32)	long	The value of vRtrIfIpReasFragBytesRcvdLow32 indicates the lower 32 bits of the value of vRtrIfIpReasFragBytesRcvd.
ipReasFragBytesReas [Ip Reas Frag Bytes Reas] (vRtrIfIpReasFragBytesReas)	java. math. BigInteger	The value of vRtrIfIpReasFragBytesReas indicates the number of fragmented bytes reassembled on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasFragBytesReasHigh32 [Ip Reas Frag Bytes Reas High 32] (vRtrIfIpReasFragBytesReasHigh32)	long	The value of vRtrIfIpReasFragBytesReasHigh32 indicates the high 32 bits of the value of vRtrIfIpReasFragBytesReas.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasFragBytesReasLow32 [Ip Reas Frag Bytes Reas Low 32] (vRtrIfIpReasFragBytesReasLow32)	long	The value of vRtrIfIpReasFragBytesReasLow32 indicates the lower 32 bits of the value of vRtrIfIpReasFragBytesReas.
ipReasFragDisc [Ip Reas Frag Disc] (vRtrIfIpReasFragDisc)	java. math. BigInteger	The value of vRtrIfIpReasFragDisc indicates the number of packets reassembly discarded due to the timeout on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasFragDiscHigh32 [Ip Reas Frag Disc High 32] (vRtrIfIpReasFragDiscHigh32)	long	The value of vRtrIfIpReasFragDiscHigh32 indicates the high 32 bits of the value of vRtrIfIpReasFragDisc.
ipReasFragDiscLow32 [Ip Reas Frag Disc Low 32] (vRtrIfIpReasFragDiscLow32)	long	The value of vRtrIfIpReasFragDiscLow32 indicates the lower 32 bits of the value of vRtrIfIpReasFragDisc.
ipReasFragPktsRcvd [Ip Reas Frag Pkts Rcvd] (vRtrIfIpReasFragPktsRcvd)	java. math. BigInteger	The value of vRtrIfIpReasFragPktsRcvd indicates the number of fragmented packets received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasFragPktsRcvdHigh32 [Ip Reas Frag Pkts Rcvd High 32] (vRtrIfIpReasFragPktsRcvdHigh32)	long	The value of vRtrIfIpReasFragPktsRcvdHigh32 indicates the high 32 bits of the value of vRtrIfIpReasFragPktsRcvd.
ipReasFragPktsRcvdLow32 [Ip Reas Frag Pkts Rcvd Low 32] (vRtrIfIpReasFragPktsRcvdLow32)	long	The value of vRtrIfIpReasFragPktsRcvdLow32 indicates the lower 32 bits of the value of vRtrIfIpReasFragPktsRcvd.
ipReasFragPktsReas [Ip Reas Frag Pkts Reas] (vRtrIfIpReasFragPktsReas)	java. math. BigInteger	The value of vRtrIfIpReasFragPktsReas indicates the number of fragmented packets reassembled on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasFragPktsReasHigh32 [Ip Reas Frag Pkts Reas High 32] (vRtrIfIpReasFragPktsReasHigh32)	long	The value of vRtrIfIpReasFragPktsReasHigh32 indicates the high 32 bits of the value of vRtrIfIpReasFragPktsRcvd.
ipReasFragPktsReasLow32 [Ip Reas Frag Pkts Reas Low 32] (vRtrIfIpReasFragPktsReasLow32)	long	The value of vRtrIfIpReasFragPktsReasLow32 indicates the lower 32 bits of the value of vRtrIfIpReasFragPktsReas.
ipReasFragReasErrors [Ip Reas Frag Reas Errors] (vRtrIfIpReasFragReasErrors)	java. math. BigInteger	The value of vRtrIfIpReasFragReasErrors indicates the number of reassembly errors ocured on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasFragReasErrorsHigh32 [Ip Reas Frag Reas Errors High 32] (vRtrIfIpReasFragReasErrorsHigh32)	long	The value of vRtrIfIpReasFragReasErrorsHigh32 indicates the high 32 bits of the value of vRtrIfIpReasFragReasErrors.
ipReasFragReasErrorsLow32 [Ip Reas Frag Reas Errors Low 32] (vRtrIfIpReasFragReasErrorsLow32)	long	The value of vRtrIfIpReasFragReasErrorsLow32 indicates the lower 32 bits of the value of vRtrIfIpReasFragReasErrors.
ipReasOutBufRes [Ip Reas Out Buf Res] (vRtrIfIpReasOutBufRes)	java. math. BigInteger	The value of vRtrIfIpReasOutBufRes indicates the number of times out of buffer resources happend while reassembly on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasOutBufResHigh32 [Ip Reas Out Buf Res High 32] (vRtrIfIpReasOutBufResHigh32)	long	The value of vRtrIfIpReasOutBufResHigh32 indicates the high 32 bits of the value of vRtrIfIpReasOutBufRes.
ipReasOutBufResLow32 [Ip Reas Out Buf Res Low 32] (vRtrIfIpReasOutBufResLow32)	long	The value of vRtrIfIpReasOutBufResLow32 indicates the lower 32 bits of the value of vRtrIfIpReasOutBufRes.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasPktsRx [Ip Reas Pkts Rx] (vRtrIfIpReasPktsRx)	java. math. BigInteger	The value of vRtrIfIpReasPktsRx indicates the number of total packets received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasPktsRxHigh32 [Ip Reas Pkts Rx High 32] (vRtrIfIpReasPktsRxHigh32)	long	The value of vRtrIfIpReasPktsRxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasPktsRx.
ipReasPktsRxLow32 [Ip Reas Pkts Rx Low 32] (vRtrIfIpReasPktsRxLow32)	long	The value of vRtrIfIpReasPktsRxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasPktsRx.
ipReasPktsTx [Ip Reas Pkts Tx] (vRtrIfIpReasPktsTx)	java. math. BigInteger	The value of vRtrIfIpReasPktsTx indicates the number of total packets sent from this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasPktsTxHigh32 [Ip Reas Pkts Tx High 32] (vRtrIfIpReasPktsTxHigh32)	long	The value of vRtrIfIpReasPktsTxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasPktsTx.
ipReasPktsTxLow32 [Ip Reas Pkts Tx Low 32] (vRtrIfIpReasPktsTxLow32)	long	The value of vRtrIfIpReasPktsTxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasPktsTx.
ipReasV6BytesRx [Ip Reas V6 Bytes Rx] (vRtrIfIpReasV6BytesRx)	java. math. BigInteger	The value of vRtrIfIpReasV6BytesRx indicates the number of total IPv6 bytes received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6BytesRxHigh32 [Ip Reas V6 Bytes Rx High 32] (vRtrIfIpReasV6BytesRxHigh32)	long	The value of vRtrIfIpReasV6BytesRxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6BytesRx.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasV6BytesRxLow32 [Ip Reas V6 Bytes Rx Low 32] (vRtrIfIpReasV6BytesRxLow32)	long	The value of vRtrIfIpReasV6BytesRxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6BytesRx.
ipReasV6BytesTx [Ip Reas V6 Bytes Tx] (vRtrIfIpReasV6BytesTx)	java. math. BigInteger	The value of vRtrIfIpReasV6BytesTx indicates the number of total IPv6 bytes sent from this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6BytesTxHigh32 [Ip Reas V6 Bytes Tx High 32] (vRtrIfIpReasV6BytesTxHigh32)	long	The value of vRtrIfIpReasV6BytesTxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6BytesTx.
ipReasV6BytesTxLow32 [Ip Reas V6 Bytes Tx Low 32] (vRtrIfIpReasV6BytesTxLow32)	long	The value of vRtrIfIpReasV6BytesTxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6BytesTx.
ipReasV6FragBytesRcvd [Ip Reas V6 Frag Bytes Rcvd] (vRtrIfIpReasV6FragBytesRcvd)	java. math. BigInteger	The value of vRtrIfIpReasV6FragBytesRcvd indicates the number of IPv6 fragmented bytes received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6FragBytesRcvdH32 [Ip Reas V6 Frag Bytes Rcvd H32] (vRtrIfIpReasV6FragBytesRcvdH32)	long	The value of vRtrIfIpReasV6FragBytesRcvdH32 indicates the high 32 bits of the value of vRtrIfIpReasV6FragBytesRcvd.
ipReasV6FragBytesRcvdL32 [Ip Reas V6 Frag Bytes Rcvd L32] (vRtrIfIpReasV6FragBytesRcvdL32)	long	The value of vRtrIfIpReasV6FragBytesRcvdL32 indicates the lower 32 bits of the value of vRtrIfIpReasV6FragBytesRcvd.
ipReasV6FragBytesReas [Ip Reas V6 Frag Bytes Reas] (vRtrIfIpReasV6FragBytesReas)	java. math. BigInteger	The value of vRtrIfIpReasV6FragBytesReas indicates the number of IPv6 fragmented bytes reassembled on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasV6FragBytesReasH32 [Ip Reas V6 Frag Bytes Reas H32] (vRtrIfIpReasV6FragBytesReasH32)	long	The value of vRtrIfIpReasV6FragBytesReasH32 indicates the high 32 bits of the value of vRtrIfIpReasV6FragBytesReas.
ipReasV6FragBytesReasL32 [Ip Reas V6 Frag Bytes Reas L32] (vRtrIfIpReasV6FragBytesReasL32)	long	The value of vRtrIfIpReasV6FragBytesReasL32 indicates the lower 32 bits of the value of vRtrIfIpReasV6FragBytesReas.
ipReasV6FragDisc [Ip Reas V6 Frag Disc] (vRtrIfIpReasV6FragDisc)	java. math. BigInteger	The value of vRtrIfIpReasV6FragDisc indicates the number of IPv6 packets reassembly discarded due to the timeout on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6FragDiscHigh32 [Ip Reas V6 Frag Disc High 32] (vRtrIfIpReasV6FragDiscHigh32)	long	The value of vRtrIfIpReasV6FragDiscHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6FragDisc.
ipReasV6FragDiscLow32 [Ip Reas V6 Frag Disc Low 32] (vRtrIfIpReasV6FragDiscLow32)	long	The value of vRtrIfIpReasV6FragDiscLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6FragDisc.
ipReasV6FragPktsRcvd [Ip Reas V6 Frag Pkts Rcvd] (vRtrIfIpReasV6FragPktsRcvd)	java. math. BigInteger	The value of vRtrIfIpReasV6FragPktsRcvd indicates the number of IPv6 fragmented packets received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6FragPktsRcvdHigh32 [Ip Reas V6 Frag Pkts Rcvd High 32] (vRtrIfIpReasV6FragPktsRcvdHigh32)	long	The value of vRtrIfIpReasV6FragPktsRcvdHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6FragPktsRcvd.
ipReasV6FragPktsRcvdLow32 [Ip Reas V6 Frag Pkts Rcvd Low 32] (vRtrIfIpReasV6FragPktsRcvdLow32)	long	The value of vRtrIfIpReasV6FragPktsRcvdLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6FragPktsRcvd.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasV6FragPktsReas [Ip Reas V6 Frag Pkts Reas] (vRtrIfIpReasV6FragPktsReas)	java. math. BigInteger	The value of vRtrIfIpReasV6FragPktsReas indicates the number of IPv6 fragmented packets reassembled on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6FragPktsReasHigh32 [Ip Reas V6 Frag Pkts Reas High 32] (vRtrIfIpReasV6FragPktsReasHigh32)	long	The value of vRtrIfIpReasV6FragPktsReasHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6FragPktsRcvd.
ipReasV6FragPktsReasLow32 [Ip Reas V6 Frag Pkts Reas Low 32] (vRtrIfIpReasV6FragPktsReasLow32)	long	The value of vRtrIfIpReasV6FragPktsReasLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6FragPktsReas.
ipReasV6FragReasErrors [Ip Reas V6 Frag Reas Errors] (vRtrIfIpReasV6FragReasErrors)	java. math. BigInteger	The value of vRtrIfIpReasV6FragReasErrors indicates the number of IPv6 reassembly errors occurred on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6FragReasErrorsH32 [Ip Reas V6 Frag Reas Errors H32] (vRtrIfIpReasV6FragReasErrorsH32)	long	The value of vRtrIfIpReasV6FragReasErrorsH32 indicates the high 32 bits of the value of vRtrIfIpReasV6FragReasErrors.
ipReasV6FragReasErrorsL32 [Ip Reas V6 Frag Reas Errors L32] (vRtrIfIpReasV6FragReasErrorsL32)	long	The value of vRtrIfIpReasV6FragReasErrorsL32 indicates the lower 32 bits of the value of vRtrIfIpReasV6FragReasErrors.
ipReasV6OutBufRes [Ip Reas V6 Out Buf Res] (vRtrIfIpReasV6OutBufRes)	java. math. BigInteger	The value of vRtrIfIpReasV6OutBufRes indicates the number of times out of buffer resources happened while IPv6 reassembly on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6OutBufResHigh32 [Ip Reas V6 Out Buf Res High 32] (vRtrIfIpReasV6OutBufResHigh32)	long	The value of vRtrIfIpReasV6OutBufResHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6OutBufRes.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipReasV6OutBufResLow32 [Ip Reas V6 Out Buf Res Low 32] (vRtrIfIpReasV6OutBufResLow32)	long	The value of vRtrIfIpReasV6OutBufResLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6OutBufRes.
ipReasV6PktsRx [Ip Reas V6 Pkts Rx] (vRtrIfIpReasV6PktsRx)	java. math. BigInteger	The value of vRtrIfIpReasV6PktsRx indicates the number of total IPv6 packets received on this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6PktsRxHigh32 [Ip Reas V6 Pkts Rx High 32] (vRtrIfIpReasV6PktsRxHigh32)	long	The value of vRtrIfIpReasV6PktsRxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6PktsRx.
ipReasV6PktsRxLow32 [Ip Reas V6 Pkts Rx Low 32] (vRtrIfIpReasV6PktsRxLow32)	long	The value of vRtrIfIpReasV6PktsRxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6PktsRx.
ipReasV6PktsTx [Ip Reas V6 Pkts Tx] (vRtrIfIpReasV6PktsTx)	java. math. BigInteger	The value of vRtrIfIpReasV6PktsTx indicates the number of total IPv6 packets sent from this interface. The value of the object is '0' if the MDA type is not 'isa-ip-reas'.
ipReasV6PktsTxHigh32 [Ip Reas V6 Pkts Tx High 32] (vRtrIfIpReasV6PktsTxHigh32)	long	The value of vRtrIfIpReasV6PktsTxHigh32 indicates the high 32 bits of the value of vRtrIfIpReasV6PktsTx.
ipReasV6PktsTxLow32 [Ip Reas V6 Pkts Tx Low 32] (vRtrIfIpReasV6PktsTxLow32)	long	The value of vRtrIfIpReasV6PktsTxLow32 indicates the lower 32 bits of the value of vRtrIfIpReasV6PktsTx.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NetworkInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>PolicyAccountInterfaceStats</p> <p>MIB entry name: vRtrPlcyAcctInterfaceStatsEntry</p> <p>Entry description: Each row entry in the vRtrPlcyAcctInterfaceStatsTable represents statistics related to the vRtrPlcyAcctSrcClassTable and vRtrPlcyAcctDestClassTable.</p> <p>Table description (for vRtrPlcyAcctInterfaceStatsTable): The vRtrPlcyAcctInterfaceStatsTable has stats for each source class and dest class associated with an interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • ies.IPsecInterface • ies.L3AccessInterface • rtr.NetworkInterface • vprn.GroupInterface • vprn.IPsecInterface • vprn.L3AccessInterface 		
forwardBytes [Forward Bytes] (vRtrPlcyAcctRxFwdBytes)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdBytes indicates the total number of bytes received for this vRtrPlcyAcctIndex associated with the interface.
forwardPackets [Forward Packets] (vRtrPlcyAcctRxFwdPkts)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdPkts indicates the total number of packets received for this vRtrPlcyAcctIndex associated with the interface.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
incompleteCount [Incomplete Count] (vRtrPlyAcctRxIncompleteCnt)	boolean	The value of the object vRtrPlyAcctRxIncompleteCnt indicates whether the count of vRtrPlyAcctRxFwdBytes and vRtrPlyAcctRxFwdPkts is incomplete or not. When the value of vRtrPlyAcctRxIncompleteCnt is 'true', both vRtrPlyAcctRxFwdBytes and vRtrPlyAcctRxFwdPkts will be incomplete.
RouteStats MIB entry name: vRtrStatEntry Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEnties [Active ARPEnties] (vRtrStatActiveARPEnties)	long	vRtrStatActiveARPEnties indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'bgp'.
activeMplsTpTunnels [Active Mpls Tp Tunnels] (vRtrStatActiveMplsTpTunnels)	long	vRtrStatActiveMplsTpTunnels indicates the current number of active MPLS-TP tunnels.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeRsvpTunnels [Active Rsvp Tunnels] (vRtrStatActiveRsvpTunnels)	long	The value of vRtrStatActiveRsvpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'rsvp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAciveRoutes)	long	vRtrBGPAciveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynamicArpEntries [Dynamic Arp Entries] (vRtrStatDynamicARPEntries)	long	The value of vRtrStatDynamicARPEntries indicates the total number of active and inactive dynamic ARP entries for the specified virtual router in the system.
hostActiveRoutes [Host Active Routes] (vRtrHostActiveRoutes)	long	The value of vRtrHostActiveRoutes indicates the current number of active direct routes with prefix value 32 for this instance of the route table.
hostRoutes [Host Routes] (vRtrHostRoutes)	long	The value of vRtrHostRoutes indicates the current number of direct routes with prefix value 32 for this instance of the route table.
iPsecActiveRoutes [IPsec Active Routes] (vRtrIPsecActiveRoutes)	long	The value of the object vRtrIPsecActiveRoutes indicates the current number of active IPsec routes for this instance of the route table.
iPsecRoutes [IPsec Routes] (vRtrIPsecRoutes)	long	The value of the object vRtrIPsecRoutes indicates the current number of IPsec routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
internalArpEntries [Internal Arp Entries] (vRtrStatInternalARPEntries)	long	The value of vRtrStatInternalARPEntries indicates the total number of active and inactive internal ARP entries for the specified virtual router in the system.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpActiveRoutes [Ldp Active Routes] (vRtrLDPActiveRoutes)	long	vRtrLDPActiveRoutes indicates the current number of active ldp routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.
ldpRoutes [Ldp Routes] (vRtrLDPRoutes)	long	vRtrLDPRoutes indicates the current number of ldp routes for this instance of the route table.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
localArpEntries [Local Arp Entries] (vRtrStatLocalARPEntries)	long	The value of vRtrStatLocalARPEntries indicates the total number of active and inactive local ARP entries for the specified virtual router in the system.
managedActiveRoutes [Managed Active Routes] (vRtrManagedActiveRoutes)	long	The value of vRtrManagedActiveRoutes indicates the total number of active managed routes for the specified virtual router in the system.
managedArpEntries [Managed Arp Entries] (vRtrStatManagedARPEntries)	long	The value of vRtrStatManagedARPEntries indicates the total number of active and inactive managed ARP entries for the specified virtual router in the system.
managedRoutes [Managed Routes] (vRtrManagedRoutes)	long	The value of vRtrManagedRoutes indicates the total number of active and inactive managed routes for the specified virtual router in the system.
mcastIpv4StatBGPEvpnActvRts [Mcast Ipv 4 Stat BGPEvpn Actv Rts] (vRtrMcastIpv4StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv4StatBGPEvpnActvRts indicates the total number of active IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcastIpv4StatBGPEvpnRoutes [Mcast Ipv 4 Stat BGPEvpn Routes] (vRtrMcastIpv4StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv4StatBGPEvpnRoutes indicates the total number of IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
natActiveRoutes [Nat Active Routes] (vRtrNatActiveRoutes)	long	The value of vRtrNatActiveRoutes indicates the current number of IPv4 NAT routes for this instance of the route table.
natRoutes [Nat Routes] (vRtrNatRoutes)	long	The value of vRtrNatRoutes indicates the current number of IPv4 NAT (Network Address Translation) routes for this instance of the route table.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
perActiveRoutes [Per Active Routes] (vRtrPeriodicActiveRoutes)	long	The value of vRtrPeriodicActiveRoutes indicates the current number of active periodic routes for this instance of the route table.
perRoutes [Per Routes] (vRtrPeriodicRoutes)	long	The value of vRtrPeriodicRoutes indicates the current number of periodic routes for this instance of the route table.
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
statBGPEVPNARPEntries [Stat BGPEVPNARPEntries] (vRtrStatBGPEVPNARPEntries)	long	The value of vRtrStatBGPEVPNARPEntries indicates the total number of BGP EVPN ARP entries for the specified virtual router in the system.
statBGPEvpnActiveRoutes [Stat BGPEvpn Active Routes] (vRtrStatBGPEvpnActiveRoutes)	long	The value of vRtrStatBGPEvpnActiveRoutes indicates the total number of active IPv4 BGP EVPN route entries for the specified virtual router in the system.
statBGPEvpnRoutes [Stat BGPEvpn Routes] (vRtrStatBGPEvpnRoutes)	long	The value of vRtrStatBGPEvpnRoutes indicates the total number of IPv4 BGP EVPN route entries for the specified virtual router in the system.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticArpEntries [Static Arp Entries] (vRtrStatStaticARPEntries)	long	The value of vRtrStatStaticARPEntries indicates the total number of active and inactive static ARP entries for the specified virtual router in the system.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
subMgmtActiveRoutes [Sub Mgmt Active Routes] (vRtrSubMgmtActiveRoutes)	long	The value of vRtrSubMgmtActiveRoutes indicates the number of active subscriber management routes.
subMgmtRoutes [Sub Mgmt Routes] (vRtrSubMgmtRoutes)	long	The value of vRtrSubMgmtRoutes indicates the total number of subscriber management routes in the route Table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.
totalMplsTpTunnels [Total Mpls Tp Tunnels] (vRtrStatTotalMplsTpTunnels)	long	vRtrStatTotalMplsTpTunnels indicates the current number of both active and inactive MPLS-TP tunnels.
totalRsvpTunnels [Total Rsvp Tunnels] (vRtrStatTotalRsvpTunnels)	long	The value of vRtrStatTotalRsvpTunnels indicates the current number of both active and inactive RSVP tunnels.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnLeakActiveRoutes [Vpn Leak Active Routes] (vRtrVPNLeakActiveRoutes)	long	vRtrVPNLeakActiveRoutes indicates the current number of active VPN Leak routes for this instance of the route table.
vpnLeakRoutes [Vpn Leak Routes] (vRtrVPNLeakRoutes)	long	vRtrVPNLeakRoutes indicates the current number of VPN Leak routes for this instance of the route table.
<p>V6RouteStats MIB entry name: vRtrStatEntry Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
v6ActiveNbrEntries [V6 Active Nbr Entries] (vRtrV6StatActiveNbrEntries)	long	vRtrV6StatActiveNbrEntries indicates the number of active V6 neighbor discovery entries for the specified virtual router in the system.
v6ActiveRsvpTunnels [V6 Active Rsvp Tunnels] (vRtrV6StatActiveRsvpTunnels)	long	The value of vRtrV6StatActiveRsvpTunnels indicates the current number of IPv6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'rsvp'.
v6AggregateActiveRoutes [V6 Aggregate Active Routes] (vRtrV6AggregateActiveRoutes)	long	vRtrV6AggregateActiveRoutes indicates the current number of active v6 aggregate routes for this instance of the route table.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6AggregateRoutes [V6 Aggregate Routes] (vRtrV6AggregateRoutes)	long	vRtrV6AggregateRoutes indicates the current number of v6 aggregate routes for this instance of the route table.
v6BgpActiveRoutes [V6 Bgp Active Routes] (vRtrV6BGPAActiveRoutes)	long	vRtrV6BGPAActiveRoutes indicates the current number of v6 active bgp routes for this instance of the route table.
v6BgpRoutes [V6 Bgp Routes] (vRtrV6BGPRoutes)	long	vRtrV6BGPRoutes indicates the current number of v6 bgp routes for this instance of the route table.
v6BgpVpnActiveRoutes [V6 Bgp Vpn Active Routes] (vRtrV6StatBGPVpnActiveRoutes)	long	vRtrV6StatBGPVpnActiveRoutes indicates the current number of active VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6BgpVpnRoutes [V6 Bgp Vpn Routes] (vRtrV6StatBGPVpnRoutes)	long	vRtrV6StatBGPVpnRoutes indicates the current number of VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6Dhcpv6NaActiveRoutes [V6 Dhcpv 6 Na Active Routes] (vRtrV6Dhcpv6NaActiveRoutes)	long	The value of vRtrV6Dhcpv6NaActiveRoutes indicates the current number of active IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6NaRoutes [V6 Dhcpv 6 Na Routes] (vRtrV6Dhcpv6NaRoutes)	long	The value of vRtrV6Dhcpv6NaRoutes indicates the current number of IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6PdActiveRoutes [V6 Dhcpv 6 Pd Active Routes] (vRtrV6Dhcpv6PdActiveRoutes)	long	The value of vRtrV6Dhcpv6PdActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6PdExclActiveRoutes [V6 Dhcpv 6 Pd Excl Active Routes] (vRtrV6Dhcpv6PdExclActiveRoutes)	long	The value of vRtrV6Dhcpv6PdExclActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6Dhcpv6PdExclRoutes [V6 Dhcpv 6 Pd Excl Routes] (vRtrV6Dhcpv6PdExclRoutes)	long	The value of vRtrV6Dhcpv6PdExclRoutes indicates the current number of IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdRoutes [V6 Dhcpv 6 Pd Routes] (vRtrV6Dhcpv6PdRoutes)	long	The value of vRtrV6Dhcpv6PdRoutes indicates the current number of IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6TaActiveRoutes [V6 Dhcpv 6 Ta Active Routes] (vRtrV6Dhcpv6TaActiveRoutes)	long	The value of vRtrV6Dhcpv6TaActiveRoutes indicates the current number of active IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6Dhcpv6TaRoutes [V6 Dhcpv 6 Ta Routes] (vRtrV6Dhcpv6TaRoutes)	long	The value of vRtrV6Dhcpv6TaRoutes indicates the current number of IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6DirectActiveRoutes [V6 Direct Active Routes] (vRtrV6DirectActiveRoutes)	long	vRtrV6DirectActiveRoutes indicates the current number of v6 active direct routes for this instance of the route table.
v6DirectRoutes [V6 Direct Routes] (vRtrV6DirectRoutes)	long	vRtrV6DirectRoutes indicates the current number of v6 direct routes for this instance of the route table.
v6HostActiveRoutes [V6 Host Active Routes] (vRtrV6HostActiveRoutes)	long	The value of vRtrV6HostActiveRoutes indicates the current number of v6 active direct routes with prefix value 128 for this instance of the route table.
v6HostRoutes [V6 Host Routes] (vRtrV6HostRoutes)	long	The value of vRtrV6HostRoutes indicates the current number of v6 direct routes with prefix value 128 for this instance of the route table.
v6IllegalLabelsReceived [V6 Illegal Labels Received] (vRtrV6StatIllegalLabels)	long	vRtrV6StatIllegalLabels indicates the number of illegally received v6 labels on this virtual router.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6IsisActiveRoutes [V6 Isis Active Routes] (vRtrV6IsisActiveRoutes)	long	vRtrV6IsisActiveRoutes indicates the current number of v6 active isis routes for this instance of the route table.
v6IsisRoutes [V6 Isis Routes] (vRtrV6IsisRoutes)	long	vRtrV6IsisRoutes indicates the current number of v6 isis routes for this instance of the route table.
v6LdpActiveTunnels [V6 Ldp Active Tunnels] (vRtrV6StatActiveLdpTunnels)	long	vRtrV6StatActiveLdpTunnels indicates the current number of v6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.
v6LdpTunnels [V6 Ldp Tunnels] (vRtrV6StatTotalLdpTunnels)	long	vRtrV6StatTotalLdpTunnels indicates the current number of both active and inactive v6 LDP tunnels.
v6ManagedActiveRoutes [V6 Managed Active Routes] (vRtrV6ManagedActiveRoutes)	long	The value of vRtrV6ManagedActiveRoutes indicates the total number of active IPv6 managed routes for the specified virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrV6ManagedRoutes)	long	The value of vRtrV6ManagedRoutes indicates the total number of active and inactive IPv6 managed routes for the specified virtual router.
v6MulticastRoutes [V6 Multicast Routes] (vRtrV6MulticastRoutes)	long	vRtrV6MulticastRoutes indicates the current number of v6 rows in the vRtrPimNgGrpSrcTable.
v6MulticastStatBGPEvpnActiveRoutes [V6 Multicast Stat BGPEvpn Active Routes] (vRtrMcastIpv6StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv6StatBGPEvpnActvRts indicates the total number of active IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6MulticastStatBGPEvpnRoutes [V6 Multicast Stat BGPEvpn Routes] (vRtrMcastIpv6StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv6StatBGPEvpnRoutes indicates the total number of IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6NatActiveRoutes [V6 Nat Active Routes] (vRtrV6NatActiveRoutes)	long	The value of vRtrV6NatActiveRoutes indicates the current number of IPv6 active NAT routes for this instance of the route table.
v6NatRoutes [V6 Nat Routes] (vRtrV6NatRoutes)	long	The value of vRtrV6NatRoutes indicates the current number of IPv6 NAT routes for this instance of the route table.
v6OspfActiveRoutes [V6 Ospf Active Routes] (vRtrV6OSPFActiveRoutes)	long	vRtrV6OSPFActiveRoutes indicates the current number of v6 active ospf routes for this instance of the route table.
v6OspfRoutes [V6 Ospf Routes] (vRtrV6OSPFRoutes)	long	vRtrV6OSPFRoutes indicates the current number of v6 ospf routes for this instance of the route table.
v6PerActiveRoutes [V6 Per Active Routes] (vRtrV6PeriodicActiveRoutes)	long	The value of vRtrV6PeriodicActiveRoutes indicates the current number of active IPv6 periodic routes for this instance of the route table.
v6PerRoutes [V6 Per Routes] (vRtrV6PeriodicRoutes)	long	The value of vRtrV6PeriodicRoutes indicates the current number of IPv6 periodic routes for this instance of the route table.
v6RipActiveRoutes [V6 Rip Active Routes] (vRtrV6RIPActiveRoutes)	long	vRtrV6RIPActiveRoutes indicates the current number of active v6 rip routes for this instance of the route table.
v6RipRoutes [V6 Rip Routes] (vRtrV6RIPRoutes)	long	vRtrV6RIPRoutes indicates the current number of v6 rip routes for this instance of the route table.
v6RouterInterfacesActive [V6 Router Interfaces Active] (vRtrV6StatActiveIfs)	long	vRtrV6StatActiveIfs indicates the current number of v6 router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RouterInterfacesConfigured [V6 Router Interfaces Configured] (vRtrV6StatConfiguredIfs)	long	vRtrV6StatConfiguredIfs indicates the current number of v6 router interfaces configured on this virtual router.
v6RoutesInVrf [V6 Routes In Vrf] (vRtrV6StatCurrNumRoutes)	long	vRtrV6StatCurrNumRoutes indicates the current number of v6 routes in the VRF for this virtual router.
v6SdpActiveTunnels [V6 Sdp Active Tunnels] (vRtrV6StatActiveSdpTunnels)	long	vRtrV6StatActiveSdpTunnels indicates the current number of v6 rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
v6SdpTunnels [V6 Sdp Tunnels] (vRtrV6StatTotalSdpTunnels)	long	vRtrV6StatTotalSdpTunnels indicates the current number of both active and inactive v6 SDP tunnels.
v6StatBGPEvpnActiveRoutes [V6 Stat BGPEvpn Active Routes] (vRtrV6StatBGPEvpnActiveRoutes)	long	The value of vRtrV6StatBGPEvpnActiveRoutes indicates the total number of active IPv6 BGP EVPN route entries for the specified virtual router in the system.
v6StatBGPEvpnRoutes [V6 Stat BGPEvpn Routes] (vRtrV6StatBGPEvpnRoutes)	long	The value of vRtrV6StatBGPEvpnRoutes indicates the total number of IPv6 BGP EVPN route entries for the specified virtual router in the system.
v6StaticActiveRoutes [V6 Static Active Routes] (vRtrV6StaticActiveRoutes)	long	vRtrV6StaticActiveRoutes indicates the current number of v6 active static routes for this instance of the route table.
v6StaticRoutes [V6 Static Routes] (vRtrV6StaticRoutes)	long	vRtrV6StaticRoutes indicates the current number of v6 static routes for this instance of the route table.
v6SubMgmtActiveRoutes [V6 Sub Mgmt Active Routes] (vRtrV6SubMgmtActiveRoutes)	long	vRtrV6SubMgmtActiveRoutes indicates the current number of v6 active subscriber management routes for this instance of the route table.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrV6SubMgmtRoutes)	long	vRtrV6SubMgmtRoutes indicates the current number of v6 subscriber management routes for this instance of the route table.
v6TotalNbrEntries [V6 Total Nbr Entries] (vRtrV6StatTotalNbrEntries)	long	vRtrV6StatTotalNbrEntries indicates the total number of active and inactive v6 neighbor discovery entries for the specified virtual router in the system.
v6TotalRsvpTunnels [V6 Total Rsvp Tunnels] (vRtrV6StatTotalRsvpTunnels)	long	The value of vRtrV6StatTotalRsvpTunnels indicates the current number of both active and inactive IPv6 RSVP tunnels.
v6VpnLeakActiveRoutes [V6 Vpn Leak Active Routes] (vRtrV6VPNLeakActiveRoutes)	long	vRtrV6VPNLeakActiveRoutes indicates the current number of v6 active VPN Leak routes for this instance of the route table.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrV6VPNLeakRoutes)	long	vRtrV6VPNLeakRoutes indicates the current number of v6 VPN Leak routes for this instance of the route table.
<p>VRtrIfDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpDynDetectionTime)	long	The value of vRtrIfDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for given protocol.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (vRtrIfDcpFpDynHoldDown)	int	The value of vRtrIfDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for given protocol.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmrx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpDynAllocated)	boolean	The value of vRtrIfDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (vRtrIfDcpFpDynExcdCount)	java. math. BigInteger	The value of vRtrIfDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for a given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (vRtrIfDcpFpDynState)	int	The value of vRtrIfDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.
protocolName [Protocol Name] (vRtrIfDcpFpProtocol)	int	The value of vRtrIfDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpLocMonP1crStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpLocMonAllDynAlloc)	boolean	The value of vRtrIfDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (vRtrIfDcpFpLocMonExcdCount)	java.math.BigInteger	The value of vRtrIfDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpLocMonPlcrName)	String	The value of vRtrIfDcpFpLocMonPlcrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpLocMonState)	int	The value of vRtrIfDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpStaticDetectionTime)	long	The value of vRtrIfDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpStaticHoldDown)	int	The value of vRtrIfDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pktsExcd [Pkts Excd] (vRtrIfDcpFpStaticExcdCount)	java. math. BigInteger	The value of vRtrIfDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpStaticPlcrName)	String	The value of vRtrIfDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpStaticState)	int	The value of vRtrIfDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6InStats</p> <p>MIB entry name: vRtrIfIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIfIcmp6InNbrAdvertisements)	long	The value of vRtrIfIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIfIcmp6InNbrSolicits)	long	The value of vRtrIfIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats MIB entry name: vRtrIflcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted. Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface. Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIflcmp6OutGrpMembReductions)	long	The value of vRtrIflcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIflcmp6OutGrpMembResponses)	long	The value of vRtrIflcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIflcmp6OutNbrAdvertisements)	long	The value of vRtrIflcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIflcmp6OutNbrSolicits)	long	The value of vRtrIflcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIflcmp6OutPktTooBigs)	long	The value of vRtrIflcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIflcmp6OutRedirects)	long	The value of vRtrIflcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIflcmp6OutRtrAdvertisements)	long	The value of vRtrIflcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIflcmp6OutRtrSolicits)	long	The value of vRtrIflcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIflcmp6OutTimeExcds)	long	The value of vRtrIflcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.

Table 571 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 572 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. Delay Measurement and Synthetic Loss Measurement tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetoam.CfmDmmSession 		

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'inprogress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBInStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. A successful clear operation zeros all the statistics in the specified rows in this table.</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBIn</p>		

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwbIntwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction. A successful clear operation zeros all the statistics in the specified rows in this table.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		

Table 572 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
framesRx [Frames Rx] (tmnxOamPmStsTwIRflFramesRx)	long	The value of tmnxOamPmStsTwIRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwIRflFramesTx)	long	The value of tmnxOamPmStsTwIRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwIRflUpTime)	long	The value of tmnxOamPmStsTwIRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 573 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CemSapStats MIB entry name: sapCemStatsEntry Entry description: Statistics for a specific CEM SAP. Table description (for sapCemStatsTable): A table that contains CEM SAP statistics. Supports realtime plotting Supports scheduled collection Monitored class: service.L2AccessInterface</p>		
cemStatsEgressDroppedPkts [Cem Stats Egress Dropped Pkts] (sapCemStatsEgressDroppedPkts)	long	The value of sapCemStatsEgressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsEgressESs [Cem Stats Egress ESs] (sapCemStatsEgressESs)	long	The value of sapCemStatsEgressESs indicates the number of Error Seconds (ESs) encountered. Any malformed packet, seq. error, LOPS and similar are considered as error seconds.
cemStatsEgressFailureCounts [Cem Stats Egress Failure Counts] (sapCemStatsEgressFailureCounts)	long	The value of sapCemStatsEgressFailureCounts indicates the number failure events. A failure event begins when the LOPS failure is declared, and ends when the failure is cleared.
cemStatsEgressForwardedPkts [Cem Stats Egress Forwarded Pkts] (sapCemStatsEgressForwardedPkts)	long	The value of sapCemStatsEgressForwardedPkts indicates the number of packets that were successfully forwarded.
cemStatsEgressJtrBfrDepth [Cem Stats Egress Jtr Bfr Depth] (sapCemStatsEgressJtrBfrDepth)	long	The value of sapCemStatsEgressJtrBfrDepth indicates the current packet depth of the jitter buffer.
cemStatsEgressJtrBfrOverruns [Cem Stats Egress Jtr Bfr Overruns] (sapCemStatsEgressJtrBfrOverruns)	long	The value of sapCemStatsEgressJtrBfrOverruns indicates the number of times a packet was dropped because it could not fit in the jitter buffer.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressJtrBfrUnderruns [Cem Stats Egress Jtr Bfr Underruns] (sapCemStatsEgressJtrBfrUnderruns)	long	The value of sapCemStatsEgressJtrBfrUnderruns indicates the number of times a packet needed to be played out and the jitter buffer was empty.
cemStatsEgressLBitDropped [Cem Stats Egress LBit Dropped] (sapCemStatsEgressLBitDropped)	long	The value of sapCemStatsEgressLBitDropped indicates the number of packets dropped due to the L bit set by the far end.
cemStatsEgressMalformedPkts [Cem Stats Egress Malformed Pkts] (sapCemStatsEgressMalformedPkts)	long	The value of sapCemStatsEgressMalformedPkts indicates the number of packets detected with unexpected size, or bad headers' stack.
cemStatsEgressMisOrderDropped [Cem Stats Egress Mis Order Dropped] (sapCemStatsEgressMisOrderDropped)	long	The value of sapCemStatsEgressMisOrderDropped indicates the number of packets detected out of order (via control word sequence numbers), and could not be re-ordered, or could not be placed in the jitter buffer because it was out of the current window.
cemStatsEgressMissingPkts [Cem Stats Egress Missing Pkts] (sapCemStatsEgressMissingPkts)	long	The value of sapCemStatsEgressMissingPkts indicates the number of missing packets (as detected via control word sequence number gaps).
cemStatsEgressMultipleDropped [Cem Stats Egress Multiple Dropped] (sapCemStatsEgressMultipleDropped)	long	The value of sapCemStatsEgressMultipleDropped indicates the number of packets dropped due to multiple sequence numbers.
cemStatsEgressOverrunCounts [Cem Stats Egress Overrun Counts] (sapCemStatsEgressOverrunCounts)	long	The value of sapCemStatsEgressOverrunCounts indicates the number of times the jitter buffer went into an overrun state.
cemStatsEgressPktsReOrder [Cem Stats Egress Pkts Re Order] (sapCemStatsEgressPktsReOrder)	long	The value of sapCemStatsEgressPktsReOrder indicates the number of packets detected out of sequence (via control word sequence number), but successfully re-ordered.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cemStatsEgressSESSs [Cem Stats Egress SESSs] (sapCemStatsEgressSESSs)	long	The value of sapCemStatsEgressSESSs indicates the number of Severely Error Seconds (SESSs) encountered. This is when more than 30 percent of the packets within a one second window are missing.
cemStatsEgressUASs [Cem Stats Egress UASs] (sapCemStatsEgressUASs)	long	The value of sapCemStatsEgressUASs indicates the number of Unavailable Seconds (UASs) encountered. Any consecutive ten seconds of SESSs are counted as one UAS.
cemStatsEgressUnderrunCounts [Cem Stats Egress Underrun Counts] (sapCemStatsEgressUnderrunCounts)	long	The value of sapCemStatsEgressUnderrunCounts indicates the number of times the jitter buffer went into an underrun state.
cemStatsIngressDroppedPkts [Cem Stats Ingress Dropped Pkts] (sapCemStatsIngressDroppedPkts)	long	The value of sapCemStatsIngressDroppedPkts indicates the total number of packets that were dropped due to errors.
cemStatsIngressForwardedPkts [Cem Stats Ingress Forwarded Pkts] (sapCemStatsIngressForwardedPkts)	long	The value of sapCemStatsIngressForwardedPkts indicates the number of packets that were successfully forwarded.
<p>GroupInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • vprn.GroupInterface 		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>L3AccessInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored class: service.L3AccessInterface</p>		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PppoeSapStats MIB entry name: tmnxPppoeSapStatsEntry Entry description: PPPoE statistics about a SAP. Table description (for tmnxPppoeSapStatsTable): A table that contains statistics on PPPoE per SAP. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vpls.L2AccessInterface • vprn.ServiceAccessPoint 		
pppoeSapReceivedDropped [Pppoe Sap Received Dropped] (tmnxPppoeSapRxDropped)	long	The value of tmnxPppoeSapRxDropped indicates the number of dropped PPPoE packets.
pppoeSapReceivedInvalidAcCookie [Pppoe Sap Received Invalid Ac Cookie] (tmnxPppoeSapRxInvalidAcCookie)	long	The value of tmnxPppoeSapRxInvalidAcCookie indicates the number of PPPoE Active Discovery packets received with an invalid AC-Cookie tag.
pppoeSapReceivedInvalidCode [Pppoe Sap Received Invalid Code] (tmnxPppoeSapRxInvalidCode)	long	The value of tmnxPppoeSapRxInvalidCode indicates the number of PPPoE packets received with an invalid code field.
pppoeSapReceivedInvalidLen [Pppoe Sap Received Invalid Len] (tmnxPppoeSapRxInvalidLen)	long	The value of tmnxPppoeSapRxInvalidLen indicates the number of PPPoE packets received with an invalid length field.
pppoeSapReceivedInvalidMac [Pppoe Sap Received Invalid Mac] (tmnxPppoeSapRxInvalidMac)	long	The value of tmnxPppoeSapRxInvalidMac indicates the number of PPPoE packets received with an invalid MAC address.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapReceivedInvalidSession [Pppoe Sap Received Invalid Session] (tmnxPppoeSapRxInvalidSession)	long	The value of tmnxPppoeSapRxInvalidSession indicates the number of PPPoE packets received with an invalid session-id field.
pppoeSapReceivedInvalidTags [Pppoe Sap Received Invalid Tags] (tmnxPppoeSapRxInvalidTags)	long	The value of tmnxPppoeSapRxInvalidTags indicates the number of PPPoE Active Discovery packets received with invalid tags.
pppoeSapReceivedInvalidType [Pppoe Sap Received Invalid Type] (tmnxPppoeSapRxInvalidType)	long	The value of tmnxPppoeSapRxInvalidType indicates the number of PPPoE packets received with an invalid type field.
pppoeSapReceivedInvalidVersion [Pppoe Sap Received Invalid Version] (tmnxPppoeSapRxInvalidVersion)	long	The value of tmnxPppoeSapRxInvalidVersion indicates the number of PPPoE packets received with an invalid version field.
pppoeSapReceivedPADI [Pppoe Sap Received PADI] (tmnxPppoeSapRxPadi)	long	The value of tmnxPppoeSapRxPadi indicates the number of PADI (PPPoE Active Discovery Initiation) packets received on this SAP.
pppoeSapReceivedPADR [Pppoe Sap Received PADR] (tmnxPppoeSapRxPadr)	long	The value of tmnxPppoeSapRxPadr indicates the number of PADR (PPPoE Active Discovery Request) packets received on this SAP.
pppoeSapReceivedPADT [Pppoe Sap Received PADT] (tmnxPppoeSapRxPadt)	long	The value of tmnxPppoeSapRxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets received on this SAP.
pppoeSapReceivedSession [Pppoe Sap Received Session] (tmnxPppoeSapRxSession)	long	The value of tmnxPppoeSapRxSession indicates the number packets received during the PPP session stage on this SAP.
pppoeSapTransmittedPADO [Pppoe Sap Transmitted PADO] (tmnxPppoeSapTxPado)	long	The value of tmnxPppoeSapTxPado indicates the number of PADO (PPPoE Active Discovery Offer) packets transmitted on this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pppoeSapTransmittedPADS [Pppoe Sap Transmitted PADS] (tmnxPppoeSapTxPads)	long	The value of tmnxPppoeSapTxPads indicates the number of PADS (PPPoE Active Discovery Session) packets transmitted on this SAP.
pppoeSapTransmittedPADT [Pppoe Sap Transmitted PADT] (tmnxPppoeSapTxPadt)	long	The value of tmnxPppoeSapTxPadt indicates the number of PADT (PPPoE Active Discovery Terminate) packets transmitted on this SAP.
pppoeSapTransmittedSession [Pppoe Sap Transmitted Session] (tmnxPppoeSapTxSession)	long	The value of tmnxPppoeSapTxSession indicates the number packets transmitted during the PPP session stage on this SAP.
SapAtmPppStats MIB entry name: sapAtmPppStatsEntry Entry description: PPP statistics about a specific ATM SAP. Table description (for sapAtmPppStatsTable): A table that contains ATM SAP PPP statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 		
rxDropped [Rx Dropped] (sapAtmPppStatsRxDropped)	long	The value of sapAtmPppStatsRxDropped indicates the number of PPP packets dropped on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.
rxPackets [Rx Packets] (sapAtmPppStatsRxPackets)	long	The value of sapAtmPppStatsRxPackets indicates the number of PPP packets received on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPackets [Tx Packets] (sapAtmPppStatsTxPackets)	long	The value of sapAtmPppStatsRxPackets indicates the number of PPP packets transmitted on this ATM SAP since the last re-initialization of the local network management subsystem, or the last time the statistics were cleared.
<p>SapBaseStats MIB entry name: sapBaseStatsEntry Entry description: Basic statistics about a specific SAP. Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInte- ger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchip- DroppedPackets)	java. math. BigInte- ger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOf- feredHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOf- feredHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOf- feredLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOf- feredLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOf- feredUncoloredOctets)	java. math. BigInte- ger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectionTime [Detection Time] (sapDcpFpDynDetectionTime)	long	The value of sapDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for a given protocol.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpDynHoldDown)	int	The value of sapDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for a given protocol.
isAllocated [Is Allocated] (sapDcpFpDynAllocated)	boolean	The value of sapDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (sapDcpFpDynExcdCount)	java.math. BigInteger	The value of sapDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for the given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (sapDcpFpDynState)	int	The value of sapDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (sapDcpFpProtocol)	int	The value of sapDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpLocMonPlcrStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
isAllocated [Is Allocated] (sapDcpFpLocMonAllDynAlloc)	boolean	The value of sapDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (sapDcpFpLocMonExcdCount)	java.math.BigInteger	The value of sapDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpLocMonPlicrName)	String	The value of sapDcpFpLocMonPlicrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (sapDcpFpLocMonState)	int	The value of sapDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (eg. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (sapDcpFpStaticDetectionTime)	long	The value of sapDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpStaticHoldDown)	int	The value of sapDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
pktsExcd [Pkts Excd] (sapDcpFpStaticExcdCount)	java. math. BigInte- ger	The value of sapDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpStaticPlcrName)	String	The value of sapDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>policerState [Policer State] (sapDcpFpStaticState)</p>	int	The value of sapDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.
<p>portId [Port Id] (sapPortId)</p>	long	The ID of the access port where this SAP is defined.
<p>serviceId [Service Id] (svclId)</p>	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
<p>custId [Cust Id] (sapEgrEGBaseStCustId)</p>	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
<p>dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)</p>	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, gress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats MIB entry name: sapEgrEGMbrQueueStEntry Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP. Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats MIB entry name: sapEgrEGMbrSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP. Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats</p> <p>MIB entry name: sapEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP.</p> <p>Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octets] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosArbiterStats</p> <p>MIB entry name: sapEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapEgrQosArbitStatsTable): The sapEgrQosArbitStatsTable contains egress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (sapEgrQosArbitStatsName)	String	The value of sapEgrQosArbitStatsName specifies the egress QoS arbiter of this SAP.
sapEgrQosArbitStatsFwdOcts [Sap Egr Qos Arbit Stats Fwd Octs] (sapEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
sapEgrQosArbitStatsFwdPkts [Sap Egr Qos Arbit Stats Fwd Pkts] (sapEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
<p>SapEgrQosHsmdaCntrStats</p> <p>MIB entry name: sapEgrQosHsmdaCntrStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS HSMDA counter.</p> <p>Table description (for sapEgrQosHsmdaCntrStatsTable): A table that contains egress QoS HSMDA counter SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
sapEgrHsmdaCntrStCounterId [Sap Egr Hsmda Cntr St Counter Id] (sapEgrHsmdaCntrStCntrId)	long	The value of sapEgrHsmdaCntrStCntrId indicates the counter ID for the statistics.
sapEgrHsmdaCntrStCustomerId [Sap Egr Hsmda Cntr St Customer Id] (sapEgrHsmdaCntrStCustId)	long	The value of sapEgrHsmdaCntrStCustId indicates the customer ID for the statistics.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaCntrStInProfOctetsDropped [Sap Egr Hsmda Cntr St In Prof Octets Dropped] (sapEgrHsmdaCntrStInProfOctDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfOctDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfileOctetsFwd [Sap Egr Hsmda Cntr St In Profile Octets Fwd] (sapEgrHsmdaCntrStInProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfOctFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfilePacketsDropped [Sap Egr Hsmda Cntr St In Profile Packets Dropped] (sapEgrHsmdaCntrStInProfPktDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfPktDrop indicates the number of in-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStInProfilePacketsFwd [Sap Egr Hsmda Cntr St In Profile Packets Fwd] (sapEgrHsmdaCntrStInProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStInProfPktFwd indicates the number of in-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfileOctetsDropped [Sap Egr Hsmda Cntr St Out Profile Octets Dropped] (sapEgrHsmdaCntrStOutProfOctDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfOctDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfileOctetsFwd [Sap Egr Hsmda Cntr St Out Profile Octets Fwd] (sapEgrHsmdaCntrStOutProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfOctFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapIngHsmdaCntrStCntrlId, on this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaCntrStOutProfilePacketsDropped [Sap Egr Hsmda Cntr St Out Profile Packets Dropped] (sapEgrHsmdaCntrStOutProfPktDrop)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfPktDrop indicates the number of out-of-profile packets dropped for the egress counter, specified by the index sapInHsmdaCntrStCntrlId, on this SAP.
sapEgrHsmdaCntrStOutProfilePacketsFwd [Sap Egr Hsmda Cntr St Out Profile Packets Fwd] (sapEgrHsmdaCntrStOutProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaCntrStOutProfPktFwd indicates the number of out-of-profile packets forwarded for the egress counter, specified by the index sapInHsmdaCntrStCntrlId, on this SAP.
<p>SapEgrQosHsmdaQueueStats</p> <p>MIB entry name: sapEgrQosHsmdaQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS HSMDA queue.</p> <p>Table description (for sapEgrQosHsmdaQueueStatsTable): A table that contains egress QoS HSMDA queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
sapEgrHsmdaQStatCustomerId [Sap Egr Hsmda QStat Customer Id] (sapEgrHsmdaQStatCustId)	long	The value of sapEgrHsmdaQStatCustId indicates the customer ID for the statistics.
sapEgrHsmdaQStatInProfileOctetsDropped [Sap Egr Hsmda QStat In Profile Octets Dropped] (sapEgrHsmdaQStatInProfOctDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfOctDropd indicates the number of out-of-profile packets dropped on egress on this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaQStatInProfileOctetsFwd [Sap Egr Hsmda QStat In Profile Octets Fwd] (sapEgrHsmdaQStatInProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfOctFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatInProfilePacketsDropped [Sap Egr Hsmda QStat In Profile Packets Dropped] (sapEgrHsmdaQStatInProfPktDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfPktDropd indicates the number of in-profile packets dropped on egress on this SAP.
sapEgrHsmdaQStatInProfilePacketsFwd [Sap Egr Hsmda QStat In Profile Packets Fwd] (sapEgrHsmdaQStatInProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatInProfPktFwd indicates the number of in-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatOutProfileOctetsDropped [Sap Egr Hsmda QStat Out Profile Octets Dropped] (sapEgrHsmdaQStatOutProfOctDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfOctDropd indicates the number of out-of-profile packets dropped on egress on this SAP.
sapEgrHsmdaQStatOutProfileOctetsFwd [Sap Egr Hsmda QStat Out Profile Octets Fwd] (sapEgrHsmdaQStatOutProfOctFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfOctFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatOutProfilePacketsDropped [Sap Egr Hsmda QStat Out Profile Packets Dropped] (sapEgrHsmdaQStatOutProfPktDropd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfPktDropd indicates the number of out-of-profile packets dropped on egress on this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrHsmdaQStatOutProfilePacketsFwd [Sap Egr Hsmda QStat Out Profile Packets Fwd] (sapEgrHsmdaQStatOutProfPktFwd)	java. math. BigInteger	The value of sapEgrHsmdaQStatOutProfPktFwd indicates the number of out-of-profile packets forwarded on egress on this SAP.
sapEgrHsmdaQStatQueueId [Sap Egr Hsmda QStat Queue Id] (sapEgrQosHsmdaQueueId)	long	The value of sapEgrQosHsmdaQueueId index specifies the Hsmda egress queue which this override record will affect.
<p>SapEgrQosPlcyQueueStats</p> <p>MIB entry name: sapEgrQosPlcyQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapEgrQosPlcyQueueStatsTable): A table that contains egress QoS queue SAP statistics per Egress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyQueueStatsDroppedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfOctets indicates the number in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyQueueStatsDroppedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfPackets indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyQueueStatsDroppedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfOctets indicates the number out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyQueueStatsDroppedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfPackets indicates the number out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyQueueStatsForwardedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyQueueStatsForwardedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyQueuePolicyId)	long	The row index in the tSapEgressTable corresponding to this egress QoS policy.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
queueId [Queue Id] (sapEgQosPlcyQueueId)	long	The value of sapEgQosPlcyQueueId indicates index of the egress QoS queue of this SAP.
<p>SapEgrQosPlcyStats</p> <p>MIB entry name: sapEgrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Egress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapEgrQosPlcyStatsTable): A table that contains Egress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyDroppedInProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfOctets indicates the number of in-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyDroppedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfPackets indicates the number of in-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyDroppedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfOctets indicates the number of out-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyDroppedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfPackets indicates the number of out-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyId)	long	The value of the object sapEgQosPlcyId indicates the row index in the tSapEgressTable corresponding to this egress QoS policy, or one if no policy is specified.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPolicerStats</p> <p>MIB entry name: sapEgrQosPolicerStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS policer.</p> <p>Table description (for sapEgrQosPolicerStatsTable): A table that contains egress QoS policer SAP statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
sapEgrQosPStatsCustId [Sap Egr Qos PStats Cust Id] (sapEgrQosPStatsCustId)	long	The Customer ID for the associated service.
sapEgrQosPStatsMode [Sap Egr Qos PStats Mode] (sapEgrQosPStatsMode)	int	The value of sapEgrQosPStatsMode indicates the stat mode used by the policer.
sapEgrQosPStatsPolId [Sap Egr Qos PStats Pol Id] (sapEgrQosPStatsPolId)	long	The index of the egress QoS queue of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdEgrQosArbitStatsTable): The sapPortIdEgrQosArbitStatsTable contains egress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdEgrQosArbitName)	String	The value of sapPortIdEgrQosArbitName is used as an index of the egress QoS arbiter of this SAP.
sapEgrQosAssignmentPortId [Sap Egr Qos Assignment Port Id] (sapPortIdEgrPortId)	String	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
sapEgrQosPortIdArbitFwdOcts [Sap Egr Qos Port Id Arbit Fwd Octs] (sapPortIdEgrQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.
sapEgrQosPortIdArbitFwdPkts [Sap Egr Qos Port Id Arbit Fwd Pkts] (sapPortIdEgrQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats MIB entry name: sapEgrQosSchedStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlyPortStats</p> <p>MIB entry name: sapEgrSchedPlyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlyPortStatsTable): The sapEgrSchedPlyPortStatsTable contains egress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlyPortStatsFwdOct)	java. math. BigInteger	The value of sapEgrSchedPlyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlyPortStatsFwdPkt)	java. math. BigInteger	The value of sapEgrSchedPlyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyStats</p> <p>MIB entry name: sapEgrSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of octets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of packets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosArbiterStats</p> <p>MIB entry name: sapIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapIngQosArbitStatsTable): The sapIngQosArbitStatsTable contains ingress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapIngQosArbitStatsName)	String	The value of sapIngQosArbitStatsName specifies the ingress QoS arbiter of this SAP.
sapIngQosArbitStatsFwdOcts [Sap Ing Qos Arbit Stats Fwd Octs] (sapIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.
sapIngQosArbitStatsFwdPkts [Sap Ing Qos Arbit Stats Fwd Pkts] (sapIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPlcyQueueStats</p> <p>MIB entry name: sapIngQosPlcyQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue for a given Qos policy.</p> <p>Table description (for sapIngQosPlcyQueueStatsTable): A table that contains ingress QoS queue SAP statistics, per Ingress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosPlcyQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosPlcyQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosPlcyQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosPlcyQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedInProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedInProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
policyId [Policy Id] (sapIlgQosPlcyQueuePlcyId)	long	The value of the object sapIlgQosPlcyQueuePlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy.
queueId [Queue Id] (sapIlgQosPlcyQueueId)	long	The index of the ingress QoS queue of this SAP used by the policy indicated by sapIlgQosPlcyQueuePlcyId.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncoloredOctetsOffered indicates the number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncoloredPacketsOffered indicates the number of uncolored packets offered to the ingress Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngrQosPlcyStats</p> <p>MIB entry name: sapIngrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Ingress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapIngrQosPlcyStatsTable): A table that contains Ingress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIlgQosPlcyDroppedHiPrioOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIlgQosPlcyDroppedHiPrioPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIlgQosPlcyDroppedLoPrioOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIlgQosPlcyDroppedLoPrioPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
policyId [Policy Id] (sapIlgQosPlcyId)	long	The value of the object sapIlgQosPlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy, or one if no policy is specified.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdIngQosArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdIngQosArbitStatsTable): The sapPortIdIngQosArbitStatsTable contains ingress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdIngQosArbitName)	String	The value of sapPortIdIngQosArbitName is used as an index of the ingress QoS arbiter of this SAP.
sapIngQosPortIdArbitFwdOcts [Sap Ing Qos Port Id Arbit Fwd Octs] (sapPortIdIngQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.
sapIngQosPortIdArbitFwdPkts [Sap Ing Qos Port Id Arbit Fwd Pkts] (sapPortIdIngQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosQueueStats MIB entry name: sapIngQosQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLo- PrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLo- PrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncolore- dOctetsOffered)	java. math. BigInte- ger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncolored- PacketsOffered)	java. math. BigInte- ger	The number of uncolored packets offered to the ingress Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosSchedStats</p> <p>MIB entry name: sapIngQosSchedStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
qoS Sched Name [Qos Sched Name] (sapIngQosSchedName)	String	The index of the ingress QoS scheduler of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlcyPortStats</p> <p>MIB entry name: sapIngSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyPortStatsTable): The sapIngSchedPlcyPortStatsTable contains ingress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlcyStats</p> <p>MIB entry name: sapIngSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyStatsTable): A table that contains ingress QoS queue statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
SapPortIdEgrEGSchedStats MIB entry name: sapPortIdEgrEGSchedStEntry Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group. Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup		

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.
TmsInterfaceAdditionalStats MIB entry name: vRtrIfStatsExtEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsExtTable): The vRtrIfStatsExtTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ies.TmsInterface • vprn.TmsInterface 		
txBytes [Tx Bytes] (vRtrIfTxBytes)	java. math. BigInteger	The value of vRtrIfTxBytes indicates the number of total bytes sent by this interface.
txPkts [Tx Pkts] (vRtrIfTxPkts)	java. math. BigInteger	The value of vRtrIfTxPkts indicates the number of total packets sent by this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TmsInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.TmsInterface • vprn.TmsInterface 		
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
txDiscardPkts [Tx Discard Pkts] (vRtrIfTxV4DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV4DiscardPkts indicates the number of total IPv4 transmit packets discarded by this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VdoGrpSrcAdiStats</p> <p>MIB entry name: tmnxVdoSGAdiStatEntry</p> <p>Entry description: An entry in the tmnxVdoSGAdiStatTable. Each entry represents a Ad Insert (ADI) server for the corresponding multicast group.</p> <p>Table description (for tmnxVdoSGAdiStatTable): The tmnxVdoSGAdiStatTable has an entry for each Ad Insert (ADI) server on the channel. This table contains ad server information and statistics.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.ZoneAdiChl</p>		
vdoSGAdiAbortReq [Vdo SGAdi Abort Req] (tmnxVdoSGAdiAbortReq)	long	The value of tmnxVdoSGAdiAbortReq indicates the total number of abort requests received from the Ad Insert (ADI) server.
vdoSGAdiAliveReq [Vdo SGAdi Alive Req] (tmnxVdoSGAdiAliveReq)	long	The value of tmnxVdoSGAdiAliveReq indicates the total number of alive messages received from the Ad Insert (ADI) server.
vdoSGAdiCueReq [Vdo SGAdi Cue Req] (tmnxVdoSGAdiCueReq)	long	The value of tmnxVdoSGAdiCueReq indicates the total number of total number of cue requests sent to the Ad Insert (ADI) server.
vdoSGAdiInitReq [Vdo SGAdi Init Req] (tmnxVdoSGAdiInitReq)	long	The value of tmnxVdoSGAdiInitReq indicates the total number of init requests received from the Ad Insert (ADI) server.
vdoSGAdiMaxPort [Vdo SGAdi Max Port] (tmnxVdoSGAdiMaxPort)	long	The value of tmnxVdoSGAdiMinPort indicates the maximum ip port number where the Ad Insert (ADI) server's insertion stream is connected.
vdoSGAdiMinPort [Vdo SGAdi Min Port] (tmnxVdoSGAdiMinPort)	long	The value of tmnxVdoSGAdiMinPort indicates the minimum ip port number where the Ad Insert (ADI) server's insertion stream is connected.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiServerAddr [Vdo SGAdi Server Addr] (tmnxVdoSGAdiServerAddr)	String	The value of tmnxVdoSGAdiServerAddr indicates the address of Ad Insert (ADI) server on this channel.
vdoSGAdiServerAddrType [Vdo SGAdi Server Addr Type] (tmnxVdoSGAdiServerAddrType)	int	The value of tmnxVdoSGAdiServerAddrType indicates the type of Ad Insert (ADI) server address represented by tmnxVdoSGAdiServerAddr.
vdoSGAdiServerUptime [Vdo SGAdi Server Uptime] (tmnxVdoSGAdiServerUptime)	long	The value of tmnxVdoSGAdiServerUptime indicates the time in seconds since the connection with Ad Insert (ADI) server was established.
vdoSGAdiSpliceReq [Vdo SGAdi Splice Req] (tmnxVdoSGAdiSpliceReq)	long	The value of tmnxVdoSGAdiSpliceReq indicates the total number of splice requests received from the Ad Insert (ADI) server.
vdoSGAdiSucAbortResp [Vdo SGAdi Suc Abort Resp] (tmnxVdoSGAdiSucAbortResp)	long	The value of tmnxVdoSGAdiSucAbortResp indicates the total number of successful abort responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucAliveResp [Vdo SGAdi Suc Alive Resp] (tmnxVdoSGAdiSucAliveResp)	long	The value of tmnxVdoSGAdiSucAliveResp indicates the total number of successful alive messages sent to the Ad Insert (ADI) server.
vdoSGAdiSucCueResp [Vdo SGAdi Suc Cue Resp] (tmnxVdoSGAdiSucCueResp)	long	The value of tmnxVdoSGAdiSucCueResp indicates the total number of successful cue responses received from the Ad Insert (ADI) server.
vdoSGAdiSucInitResp [Vdo SGAdi Suc Init Resp] (tmnxVdoSGAdiSucInitResp)	long	The value of tmnxVdoSGAdiSucInitResp indicates the total number of successful init responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucSpliceInCompResp [Vdo SGAdi Suc Splice In Comp Resp] (tmnxVdoSGAdiSucSpliceInCompResp)	long	The value of tmnxVdoSGAdiSucSpliceInCompResp indicates the total number of successful splice-in complete responses sent to the Ad Insert (ADI) server.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiSucSpliceOutCompResp [Vdo SGAdi Suc Splice Out Comp Resp] (tmnxVdoSGAdiSucSpliceOutCompResp)	long	The value of tmnxVdoSGAdiSucSpliceOutCompResp indicates the total number of successful splice-out complete responses sent to the Ad Insert (ADI) server.
vdoSGAdiSucSpliceResp [Vdo SGAdi Suc Splice Resp] (tmnxVdoSGAdiSucSpliceResp)	long	The value of tmnxVdoSGAdiSucSpliceResp indicates the total number of successful splice responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnSucAliveResp [Vdo SGAdi Un Suc Alive Resp] (tmnxVdoSGAdiUnSucAliveResp)	long	The value of tmnxVdoSGAdiUnSucAliveResp indicates the total number of unsuccessful alive messages sent to the Ad Insert (ADI) server.
vdoSGAdiUnknownSCTE30Req [Vdo SGAdi Unknown SCTE30 Req] (tmnxVdoSGAdiUnknownSCTE30Req)	long	The value of tmnxVdoSGAdiUnknownSCTE30Req indicates the total number of invalid Society of Cable Telecommunications Engineers 30 (SCTE-30) requests received from the Ad Insert (ADI) server.
vdoSGAdiUnsucAbortResp [Vdo SGAdi Unsuc Abort Resp] (tmnxVdoSGAdiUnsucAbortResp)	long	The value of tmnxVdoSGAdiUnsucAbortResp indicates the total number of unsuccessful abort responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnsucCueResp [Vdo SGAdi Unsuc Cue Resp] (tmnxVdoSGAdiUnsucCueResp)	long	The value of tmnxVdoSGAdiUnsucCueResp indicates the total number of unsuccessful cue responses received from the Ad Insert (ADI) server.
vdoSGAdiUnsucInitResp [Vdo SGAdi Unsuc Init Resp] (tmnxVdoSGAdiUnsucInitResp)	long	The value of tmnxVdoSGAdiUnsucInitResp indicates the total number of unsuccessful init responses sent to the Ad Insert (ADI) server.
vdoSGAdiUnsucSpliceOutComRes [Vdo SGAdi Unsuc Splice Out Com Res] (tmnxVdoSGAdiUnsucSpliceOutComRes)	long	The value of tmnxVdoSGAdiUnsucSpliceOutComRes indicates the total number of unsuccessful splice-out complete responses sent to the Ad Insert (ADI) server.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGAdiUnsucSpliceResp [Vdo SGAdi Unsuc Splice Resp] (tmnxVdoSGAdiUnsucSpliceResp)	long	The value of tmnxVdoSGAdiUnsucSpliceResp indicates the total number of unsuccessful splice responses sent to the Ad Insert (ADI) server.
<p>VdoGrpSrcSpliceStats</p> <p>MIB entry name: tmnxVdoSGSpliceStatusEntry</p> <p>Entry description: An entry in the tmnxVdoSGSpliceStatusEntry. Each entry represents a splice request received by the splicer.</p> <p>Table description (for tmnxVdoSGSpliceStatusTable): The tmnxVdoSGSpliceStatusTable has an entry for each splice request received by the splicer. This table contains information about the splice request.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.ZoneAdiChl</p>		
vdoSGSpliceAbortReason [Vdo SGSsplice Abort Reason] (tmnxVdoSGSpliceAbortReason)	long	The value of tmnxVdoSGSpliceAbortReason indicates the reason if a splice operation has been aborted. If the value of this object is equal to 'none', then the splice has not been aborted.
vdoSGSpliceAdServerAddr [Vdo SGSsplice Ad Server Addr] (tmnxVdoSGSpliceAdServerAddr)	String	The value of tmnxVdoSGSpliceAdServerAddr indicates the address of the Ad Insert (ADI) server that issued the splice request.
vdoSGSpliceAdServerAddrType [Vdo SGSsplice Ad Server Addr Type] (tmnxVdoSGSpliceAdServerAddrType)	int	The value of tmnxVdoSGSpliceAdServerAddrType indicates the type of Ad Insert (ADI) server address represented by tmnxVdoSGSpliceAdServerAddr.
vdoSGSpliceBlkFramePTS [Vdo SGSsplice Blk Frame PTS] (tmnxVdoSGSpliceBlkFramePTS)	String	The value of tmnxVdoSGSpliceBlkFramePTS indicates the Presentation Timestamp (PTS) of the first black frame.
vdoSGSpliceDurationPlayed [Vdo SGSsplice Duration Played] (tmnxVdoSGSpliceDurationPlayed)	long	The value of tmnxVdoSGSpliceDurationPlayed indicates the splice duration, in seconds, played by the splicer.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGSpliceDurationReq [Vdo SGSplice Duration Req] (tmnxVdoSGSpliceDurationReq)	long	The value of tmnxVdoSGSpliceDurationReq indicates the splice duration, in seconds, of the ad requested by the Ad Insert (ADI) server.
vdoSGSpliceMaxAdPTS [Vdo SGSplice Max Ad PTS] (tmnxVdoSGSpliceMaxAdPTS)	String	The value of tmnxVdoSGSpliceMaxAdPTS indicates the maximum Presentation Timestamp (PTS) value of the last Group of Pictures (GOP) of ad stream (non-black frame).
vdoSGSpliceMinNwPTS [Vdo SGSplice Min Nw PTS] (tmnxVdoSGSpliceMinNwPTS)	String	The value of tmnxVdoSGSpliceMinNwPTS indicates the minimum Presentation Timestamp (PTS) value from the first Group of Pictures (GOP) of the network stream after the splice out has occurred.
vdoSGSpliceNumBlkFrames [Vdo SGSplice Num Blk Frames] (tmnxVdoSGSpliceNumBlkFrames)	long	The value of tmnxVdoSGSpliceNumBlkFrames indicates the number of black frames inserted.
vdoSGSplicePriorSessionId [Vdo SGSplice Prior Session Id] (tmnxVdoSGSplicePriorSessionId)	long	The value of tmnxVdoSGSplicePriorSessionId indicates the prior session id of the ad. If the value of this object is not equal to 0xFFFFFFFF, then this splice is a back-to-back ad insertion.
vdoSGSpliceRate [Vdo SGSplice Rate] (tmnxVdoSGSpliceRate)	long	The value of tmnxVdoSGSpliceRate indicates the rate of the ad stream, in kilo-bits per second (kbps), received by the splicer.
vdoSGSpliceSessionId [Vdo SGSplice Session Id] (tmnxVdoSGSpliceSessionId)	long	The value of tmnxVdoSGSpliceSessionId indicates the session ID of the ad request.
vdoSGSpliceSpliceInSeqNum [Vdo SGSplice Splice In Seq Num] (tmnxVdoSGSpliceSpliceInSeqNum)	long	The value of tmnxVdoSGSpliceSpliceInSeqNum indicates the sequence number at which the splice-in to the ad occurred.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoSGSpliceSpliceOutSeqNum [Vdo SGSsplice Splice Out Seq Num] (tmnxVdoSGSpliceSpliceOutSeqNum)	long	The value of tmnxVdoSGSpliceSpliceOutSeqNum indicates the sequence number at which the splice-out to the ad occurred.
vdoSGSpliceStartTime [Vdo SGSsplice Start Time] (tmnxVdoSGSpliceStartTime)	long	The value of tmnxVdoSGSpliceStartTime indicates the start time of splice in seconds.
vdoSGSpliceStatus [Vdo SGSsplice Status] (tmnxVdoSGSpliceStatus)	long	The value of tmnxVdoSGSpliceStatus indicates the status of this splice request.
<p>VdoGrpSrcStats</p> <p>MIB entry name: tmnxVdoGrpSrcStatEntry</p> <p>Entry description: An entry in the tmnxVdoGrpSrcStatTable. Each entry represents a source address for the corresponding multicast group.</p> <p>Table description (for tmnxVdoGrpSrcStatTable): tmnxVdoGrpSrcStatTable contains channel information and statistics for the multicast groups.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.AdiChI • service.ZoneAdiChI 		
vdoGrpSrcADIAAdminState [Vdo Grp Src ADIAAdmin State] (tmnxVdoGrpSrcADIAAdminState)	int	The value of tmnxVdoGrpSrcADIAAdminState indicates whether Ad Insertion is enabled on the video ISA.
vdoGrpSrcADICurrentState [Vdo Grp Src ADICurrent State] (tmnxVdoGrpSrcADICurrentState)	long	The value of tmnxVdoGrpSrcADICurrentState indicates whether the video ISA is transmitting network stream or ads.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcADIPATChanges [Vdo Grp Src ADIPATChanges] (tmnxVdoGrpSrcADIPATChanges)	long	The value of tmnxVdoGrpSrcADIPATChanges indicates the total number of Program Association Table (PAT) version changes.
vdoGrpSrcADIPATVersion [Vdo Grp Src ADIPATVersion] (tmnxVdoGrpSrcADIPATVersion)	long	The value of tmnxVdoGrpSrcADIPATVersion indicates the version of the Program Association Table (PAT).
vdoGrpSrcADIPMTChanges [Vdo Grp Src ADIPMTChanges] (tmnxVdoGrpSrcADIPMTChanges)	long	The value of tmnxVdoGrpSrcADIPMTChanges indicates the total number of Program Map Table (PMT) version changes.
vdoGrpSrcADIPMTVersion [Vdo Grp Src ADIPMTVersion] (tmnxVdoGrpSrcADIPMTVersion)	long	The value of tmnxVdoGrpSrcADIPMTVersion indicates the version of the Program Map Table (PMT).
vdoGrpSrcADIRxPackets [Vdo Grp Src ADIRx Packets] (tmnxVdoGrpSrcADIRxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcADIRxPackets indicates the total number of Ad Insert (ADI) packets received by the video ISA.
vdoGrpSrcADIRxSCTE35MsgDisc [Vdo Grp Src ADIRx SCTE35 Msg Disc] (tmnxVdoGrpSrcADIRxSCTE35MsgDisc)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgDisc indicates the total number of Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA and discarded. SCTE-35 messages with unsupported commands and encrypted SCTE-35 messages are discarded.
vdoGrpSrcADIRxSCTE35MsgEnc [Vdo Grp Src ADIRx SCTE35 Msg Enc] (tmnxVdoGrpSrcADIRxSCTE35MsgEnc)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgEnc indicates the total number of encrypted Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.
vdoGrpSrcADIRxSCTE35MsgUnsup [Vdo Grp Src ADIRx SCTE35 Msg Unsup] (tmnxVdoGrpSrcADIRxSCTE35MsgUnsup)	long	The value of tmnxVdoGrpSrcADIRxSCTE35MsgUnsup indicates the total number of unsupported Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcADIRxSCTE35Msgs [Vdo Grp Src ADIRx SCTE35 Msgs] (tmnxVdoGrpSrcADIRxSCTE35Msgs)	long	The value of tmnxVdoGrpSrcADIRxSCTE35Msgs indicates the total number of Society of Cable Telecommunications Engineers (SCTE-35) messages received by the video ISA.
vdoGrpSrcADITxPackets [Vdo Grp Src ADITx Packets] (tmnxVdoGrpSrcADITxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcADITxPackets indicates the total number of Ad Insert (ADI) packets sent by the video ISA.
vdoGrpSrcADIUnsuppTSLenPkts [Vdo Grp Src ADIUnsupp TSLen Pkts] (tmnxVdoGrpSrcADIUnsuppTSLenPkts)	long	The value of tmnxVdoGrpSrcADIUnsuppTSLenPkts indicates the total number of data packets received whose size is not equal to 188 bytes. The value of this object is valid only when the corresponding tmnxVdoGrpADIServerState value is set to 'true'.
vdoGrpSrcAdminBW [Vdo Grp Src Admin BW] (tmnxVdoGrpSrcAdminBW)	long	The value of tmnxVdoGrpSrcAdminBW indicates the administrative bandwidth of the multicast group.
vdoGrpSrcAdminRTBufferSize [Vdo Grp Src Admin RTBuffer Size] (tmnxVdoGrpSrcAdminRTBufferSize)	long	The value of tmnxVdoGrpSrcAdminRTBufferSize indicates the number of milliseconds worth of channel packets to store for the Retransmission (RT) server.
vdoGrpSrcBufferSize [Vdo Grp Src Buffer Size] (tmnxVdoGrpSrcBufferSize)	long	The value of tmnxVdoGrpSrcBufferSize indicates the number of milliseconds worth of channel packets stored by the Retransmission (RT) server or Fast Channel Change (FCC) server on this channel.
vdoGrpSrcDupSeqNumber [Vdo Grp Src Dup Seq Number] (tmnxVdoGrpSrcDupSeqNumber)	long	The value of tmnxVdoGrpSrcDupSeqNumber indicates the total number of Real-time Transport Protocol (RTP) packets detected with a duplicate sequence number.
vdoGrpSrcDupSsrc [Vdo Grp Src Dup Ssrc] (tmnxVdoGrpSrcDupSsrc)	long	The value of tmnxVdoGrpSrcDupSsrc indicates the number of packets detected with a duplicate synchronization source (SSRC) identifier.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcFCCSvrAdminState [Vdo Grp Src FCCSvr Admin State] (tmnxVdoGrpSrcFCCSvrAdminState)	int	The value of tmnxVdoGrpSrcFCCSvrAdminState indicates whether the Fast Channel Change (FCC) server is enabled on this channel.
vdoGrpSrcFCCSvrChnlType [Vdo Grp Src FCCSvr Chnl Type] (tmnxVdoGrpSrcFCCSvrChnlType)	int	The value of tmnxVdoGrpSrcFCCSvrChnlType indicates the type of channel served by the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrRxFCCReq [Vdo Grp Src FCCSvr Rx FCCReq] (tmnxVdoGrpSrcFCCSvrRxFCCReq)	long	The value of tmnxVdoGrpSrcFCCSvrRxFCCReq indicates the total number of Fast Channel Change (FCC) requests received by the FCC server.
vdoGrpSrcFCCSvrRxFailedReq [Vdo Grp Src FCCSvr Rx Failed Req] (tmnxVdoGrpSrcFCCSvrRxFailedReq)	long	The value of tmnxVdoGrpSrcFCCSvrRxFailedReq indicates the total number of failed requests at the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrTxBytes [Vdo Grp Src FCCSvr Tx Bytes] (tmnxVdoGrpSrcFCCSvrTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcFCCSvrTxBytes indicates the total number of bytes sent by the Fast Channel Change (FCC) server.
vdoGrpSrcFCCSvrTxFCCReplies [Vdo Grp Src FCCSvr Tx FCCReplies] (tmnxVdoGrpSrcFCCSvrTxFCCReplies)	long	The value of tmnxVdoGrpSrcFCCSvrTxFCCReplies indicates the total number of Fast Channel Change (FCC) replies sent by the FCC server.
vdoGrpSrcFCCSvrTxPackets [Vdo Grp Src FCCSvr Tx Packets] (tmnxVdoGrpSrcFCCSvrTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcFCCSvrTxPackets indicates the total number of packets sent by the Fast Channel Change (FCC) server.
vdoGrpSrcGroupAddress [Vdo Grp Src Group Address] (tmnxVdoGrpSrcGroupAddress)	String	The value of tmnxVdoGrpSrcGroupAddress indicates the IP multicast group address for which this entry contains information.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcGrpAddrType [Vdo Grp Src Grp Addr Type] (tmnxVdoGrpSrcGrpAddrType)	int	The value of tmnxVdoGrpSrcGrpAddrType indicates the type of IP multicast group address represented by tmnxVdoGrpSrcGroupAddress.
vdoGrpSrcRTClientAdminState [Vdo Grp Src RTClient Admin State] (tmnxVdoGrpSrcRTClientAdminState)	int	The value of tmnxVdoGrpSrcRTClientAdminState indicates the administrative state of the retransmission client.
vdoGrpSrcRTClientFailedReq [Vdo Grp Src RTClient Failed Req] (tmnxVdoGrpSrcRTClientFailedReq)	long	The value of tmnxVdoGrpSrcRTClientFailedReq indicates the total number of Retransmission (RT) requests that could not be generated by the RT client due to gaps in the sequence numbers.
vdoGrpSrcRTClientGapsDetectd [Vdo Grp Src RTClient Gaps Detectd] (tmnxVdoGrpSrcRTClientGapsDetectd)	long	The value of tmnxVdoGrpSrcRTClientGapsDetectd indicates the total number of gaps in the sequence numbers detected by the Retransmission (RT) client.
vdoGrpSrcRTClientRTSvrPort [Vdo Grp Src RTClient RTSvr Port] (tmnxVdoGrpSrcRTClientRTSvrPort)	long	The value of tmnxVdoGrpSrcRTClientRTSvrPort indicates the Retransmission (RT) server port for this channel.
vdoGrpSrcRTClientRxReTxBytes [Vdo Grp Src RTClient Rx Re Tx Bytes] (tmnxVdoGrpSrcRTClientRxReTxBytes)	java. math. BigInte- ger	The value of tmnxVdoGrpSrcRTClientRxReTxBytes indicates the total number of retransmitted bytes received by the Retransmission (RT) client.
vdoGrpSrcRTClientRxReTxPkts [Vdo Grp Src RTClient Rx Re Tx Pkts] (tmnxVdoGrpSrcRTClientRxReTxPkts)	java. math. BigInte- ger	The value of tmnxVdoGrpSrcRTClientRxReTxPkts indicates the total number of retransmitted packets received by the Retransmission (RT) client.
vdoGrpSrcRTClientTxRTReq [Vdo Grp Src RTClient Tx RTReq] (tmnxVdoGrpSrcRTClientTxRTReq)	long	The value of tmnxVdoGrpSrcRTClientTxRTReq indicates the total number of Retransmission (RT) requests sent by the RT client.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcRTClientTxRTReqReTx [Vdo Grp Src RTClient Tx RTReq Re Tx] (tmnxVdoGrpSrcRTClientTxRTReqReTx)	long	The value of tmnxVdoGrpSrcRTClientTxRTReqReTx indicates the total number of repeat Retransmission (RT) requests attempted by the RT client.
vdoGrpSrcRTCIntRTSvrAddr [Vdo Grp Src RTCInt RTSvr Addr] (tmnxVdoGrpSrcRTCIntRTSvrAddr)	String	The value of tmnxVdoGrpSrcRTCIntRTSvrAddr indicates the address of the Retransmission (RT) server for this channel.
vdoGrpSrcRTCIntRTSvrAddrType [Vdo Grp Src RTCInt RTSvr Addr Type] (tmnxVdoGrpSrcRTCIntRTSvrAddrType)	int	The value of tmnxVdoGrpSrcRTCIntRTSvrAddrType indicates the type of address represented by tmnxVdoGrpSrcRTCIntRTSvrAddr.
vdoGrpSrcRTSvrAdminState [Vdo Grp Src RTSvr Admin State] (tmnxVdoGrpSrcRTSvrAdminState)	int	The value of tmnxVdoGrpSrcRTSvrAdminState indicates the administrative state of the Retransmission (RT) server.
vdoGrpSrcRTSvrRtpPktsReq [Vdo Grp Src RTSvr Rtp Pkts Req] (tmnxVdoGrpSrcRTSvrRtpPktsReq)	long	The value of tmnxVdoGrpSrcRTSvrRtpPktsReq indicates the total number of Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this channel.
vdoGrpSrcRTSvrRxFailedReq [Vdo Grp Src RTSvr Rx Failed Req] (tmnxVdoGrpSrcRTSvrRxFailedReq)	long	The value of tmnxVdoGrpSrcRTSvrRxFailedReq indicates the total number of failed requests at the Retransmission (RT) server due to congestion or lack of resources.
vdoGrpSrcRTSvrRxRTReq [Vdo Grp Src RTSvr Rx RTReq] (tmnxVdoGrpSrcRTSvrRxRTReq)	long	The value of tmnxVdoGrpSrcRTSvrRxRTReq indicates the total number of RT requests received by the Retransmission (RT) server.
vdoGrpSrcRTSvrTxBytes [Vdo Grp Src RTSvr Tx Bytes] (tmnxVdoGrpSrcRTSvrTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTSvrTxBytes indicates the total number of bytes sent by the Retransmission (RT) server.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcRTSrvrTxPackets [Vdo Grp Src RTSrvr Tx Packets] (tmnxVdoGrpSrcRTSrvrTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRTSrvrTxPackets indicates the total number of packets sent by the Retransmission (RT) server.
vdoGrpSrcRTSrvrTxRTReplies [Vdo Grp Src RTSrvr Tx RTReplies] (tmnxVdoGrpSrcRTSrvrTxRTReplies)	long	The value of tmnxVdoGrpSrcRTSrvrTxRTReplies indicates the total number of Retransmission (RT) replies sent by the RT server.
vdoGrpSrcRxBytes [Vdo Grp Src Rx Bytes] (tmnxVdoGrpSrcRxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxBytes indicates the total number of bytes received on this multicast channel.
vdoGrpSrcRxDupSsrcDrops [Vdo Grp Src Rx Dup Ssrc Drops] (tmnxVdoGrpSrcRxDupSsrcDrops)	long	The value of tmnxVdoGrpSrcRxDupSsrcDrops indicates the number of receive-packets dropped with a duplicate synchronization source (SSRC) identifier.
vdoGrpSrcRxInvalidPackets [Vdo Grp Src Rx Invalid Packets] (tmnxVdoGrpSrcRxInvalidPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxInvalidPackets indicates the total number of invalid packets received on this multicast channel.
vdoGrpSrcRxPackets [Vdo Grp Src Rx Packets] (tmnxVdoGrpSrcRxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcRxPackets indicates the total number of packets received on this multicast channel.
vdoGrpSrcSSRCId [Vdo Grp Src SSRCId] (tmnxVdoGrpSrcSSRCId)	long	The value of tmnxVdoGrpSrcSSRCId indicates the synchronization source (SSRC) identifier carried in the Real-time Transport Protocol (RTP) header to identify the source of a stream of RTP packets.
vdoGrpSrcSourceAddress [Vdo Grp Src Source Address] (tmnxVdoGrpSrcSourceAddress)	String	The value of tmnxVdoGrpSrcSourceAddress indicates the IP multicast source address for which this entry contains information.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcSrcAddrType [Vdo Grp Src Src Addr Type] (tmnxVdoGrpSrcSrcAddrType)	int	The value of tmnxVdoGrpSrcSrcAddrType indicates the type of IP multicast source address represented by tmnxVdoGrpSrcSourceAddress.
vdoGrpSrcStreamType [Vdo Grp Src Stream Type] (tmnxVdoGrpSrcStreamType)	long	The value of tmnxVdoGrpSrcStreamType indicates the type of stream being transmitted from the video ISA perspective. Network stream is the stream ingressing the video ISA and being stored by it. Zone stream is the stream egressing the video ISA into which AD streams will be inserted.
vdoGrpSrcTxBytes [Vdo Grp Src Tx Bytes] (tmnxVdoGrpSrcTxBytes)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxBytes indicates the total number of bytes transmitted on this multicast channel.
vdoGrpSrcTxFailedPackets [Vdo Grp Src Tx Failed Packets] (tmnxVdoGrpSrcTxFailedPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxFailedPackets indicates the total number of failures during the transmission of packets on this multicast channel. Failure happens when the packet to be sent is not stored in the video cache.
vdoGrpSrcTxPackets [Vdo Grp Src Tx Packets] (tmnxVdoGrpSrcTxPackets)	java. math. BigInteger	The value of tmnxVdoGrpSrcTxPackets indicates the total number of packets transmitted on this multicast channel.
vdoGrpSrcUDPDestPort [Vdo Grp Src UDPDest Port] (tmnxVdoGrpSrcUDPDestPort)	long	The value of tmnxVdoGrpSrcUDPDestPort indicates the UDP destination port in the received RTP multicast stream.
vdoGrpSrcUDPSrcPort [Vdo Grp Src UDPSrc Port] (tmnxVdoGrpSrcUDPSrcPort)	long	The value of tmnxVdoGrpSrcUDPSrcPort indicates the UDP source port in the received RTP multicast stream.
vdoGrpSrcUptime [Vdo Grp Src Uptime] (tmnxVdoGrpSrcUptime)	long	The value of tmnxVdoGrpSrcUptime indicates the time since this source group entry was created.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdoGrpSrcVdoGrpId [Vdo Grp Src Vdo Grp Id] (tmnxVdoGrpSrcVdoGrpId)	long	The value of tmnxVdoGrpSrcVdoGrpId indicates the identifier of the video group.
<p>VdolfStats MIB entry name: tmnxVdolfStatEntry Entry description: An entry in the tmnxVdolfStatTable. Each row entry represents an IP address assigned to a video interface. Table description (for tmnxVdolfStatTable): tmnxVdolfStatTable contains information and statistics for each video interface configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: service.VideoflpAddress</p>		
vdolfScte30InitSessions [Vdo If Scte 30 Init Sessions] (tmnxVdolfScte30InitSessions)	long	The value of tmnxVdolfScte30InitSessions indicates the total number of scte30 init sessions with the Ad Insert (ADI) servers for this interface.
vdolfScte30TcpSessions [Vdo If Scte 30 Tcp Sessions] (tmnxVdolfScte30TcpSessions)	long	The value of tmnxVdolfScte30TcpSessions indicates the total number of scte30 tcp sessions with the Ad Insert (ADI) servers for this interface.
vdolfStatFCCSrRxHdFCCReq [Vdo If Stat FCCSr Rx Hd FCCReq] (tmnxVdolfStatFCCSrRxHdFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxHdFCCReq indicates the total number of Fast Channel Change (FCC) requests received from High Definition (HD) channels on this interface.
vdolfStatFCCSrRxHdFailedReq [Vdo If Stat FCCSr Rx Hd Failed Req] (tmnxVdolfStatFCCSrRxHdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxHdFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from High Definition (HD) channels on this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatFCCSrRxPipFCCReq [Vdo If Stat FCCSr Rx Pip FCCReq] (tmnxVdolfStatFCCSrRxPipFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxPipFCCReq indicates the total number of Fast Channel Change (FCC) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatFCCSrRxPipFailedReq [Vdo If Stat FCCSr Rx Pip Failed Req] (tmnxVdolfStatFCCSrRxPipFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxPipFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatFCCSrRxSdFCCReq [Vdo If Stat FCCSr Rx Sd FCCReq] (tmnxVdolfStatFCCSrRxSdFCCReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxSdFCCReq indicates the total number of Fast Channel Change (FCC) requests received from Standard Definition (SD) channels on this interface.
vdolfStatFCCSrRxSdFailedReq [Vdo If Stat FCCSr Rx Sd Failed Req] (tmnxVdolfStatFCCSrRxSdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrRxSdFailedReq indicates the total number of failed Fast Channel Change (FCC) requests received from Standard Definition (SD) channels on this interface.
vdolfStatFCCSrTxHdBytes [Vdo If Stat FCCSr Tx Hd Bytes] (tmnxVdolfStatFCCSrTxHdBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdBytes indicates the total number of High Definition (HD) channel bytes sent from this interface.
vdolfStatFCCSrTxHdFCCReplies [Vdo If Stat FCCSr Tx Hd FCCReplies] (tmnxVdolfStatFCCSrTxHdFCCReplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdFCCReplies indicates the total number of High Definition (HD) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxHdPackets [Vdo If Stat FCCSr Tx Hd Packets] (tmnxVdolfStatFCCSrTxHdPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxHdPackets indicates the total number of High Definition (HD) channel packets sent from this interface.
vdolfStatFCCSrTxPipBytes [Vdo If Stat FCCSr Tx Pip Bytes] (tmnxVdolfStatFCCSrTxPipBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipBytes indicates the total number of Picture-In-Picture (PIP) channel bytes sent from this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatFCCSrTxPipFCCRplies [Vdo If Stat FCCSr Tx Pip FCCRplies] (tmnxVdolfStatFCCSrTxPipFCCRplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipFCCRplies indicates the total number of Picture-In-Picture (PIP) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxPipPackets [Vdo If Stat FCCSr Tx Pip Packets] (tmnxVdolfStatFCCSrTxPipPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxPipPackets indicates the total number of Picture-In-Picture (PIP) channel packets sent from this interface.
vdolfStatFCCSrTxSdBytes [Vdo If Stat FCCSr Tx Sd Bytes] (tmnxVdolfStatFCCSrTxSdBytes)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdBytes indicates the total number of Standard Definition (SD) channel bytes sent from this interface.
vdolfStatFCCSrTxSdFCCReplies [Vdo If Stat FCCSr Tx Sd FCCReplies] (tmnxVdolfStatFCCSrTxSdFCCReplies)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdFCCReplies indicates the total number of Standard Definition (SD) channel Fast Channel Change (FCC) replies sent from this interface.
vdolfStatFCCSrTxSdPackets [Vdo If Stat FCCSr Tx Sd Packets] (tmnxVdolfStatFCCSrTxSdPackets)	java. math. BigInteger	The value of tmnxVdolfStatFCCSrTxSdPackets indicates the total number of Standard Definition (SD) channel packets sent from this interface.
vdolfStatHdFCCServerMode [Vdo If Stat Hd FCCServer Mode] (tmnxVdolfStatHdFCCServerMode)	int	The value of tmnxVdolfStatHdFCCServerMode indicates the mode of the High Definition (HD) Fast Channel Change (FCC) server on this interface.
vdolfStatHdRTServerState [Vdo If Stat Hd RTServer State] (tmnxVdolfStatHdRTServerState)	boolean	The value of tmnxVdolfStatHdRTServerState indicates whether the High Definition (HD) retransmission server is enabled on this interface.
vdolfStatPipFCCServerMode [Vdo If Stat Pip FCCServer Mode] (tmnxVdolfStatPipFCCServerMode)	int	The value of tmnxVdolfStatPipFCCServerMode indicates the mode of the Picture-in-Picture (PIP) Fast Channel Change (FCC) server on this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatPipRTServerState [Vdo If Stat Pip RTServer State] (tmnxVdolfStatPipRTServerState)	boolean	The value of tmnxVdolfStatPipRTServerState indicates whether the Picture-in-Picture (PIP) retransmission server is enabled on this interface.
vdolfStatRTSvrHdRtpPktsReq [Vdo If Stat RTSvr Hd Rtp Pkts Req] (tmnxVdolfStatRTSvrHdRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrHdRtpPktsReq indicates the total number of High Definition (HD) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrPipRtpPktsReq [Vdo If Stat RTSvr Pip Rtp Pkts Req] (tmnxVdolfStatRTSvrPipRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrPipRtpPktsReq indicates the total number of Picture-In-Picture (PIP) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrRxHdFailedReq [Vdo If Stat RTSvr Rx Hd Failed Req] (tmnxVdolfStatRTSvrRxHdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxHdFailedReq indicates the total number of failed Retransmission (RT) requests received from High Definition (HD) channels on this interface.
vdolfStatRTSvrRxHdRTReq [Vdo If Stat RTSvr Rx Hd RTReq] (tmnxVdolfStatRTSvrRxHdRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxHdRTReq indicates the total number of Retransmission (RT) requests received from High Definition (HD) channels on this interface.
vdolfStatRTSvrRxPipFailedReq [Vdo If Stat RTSvr Rx Pip Failed Req] (tmnxVdolfStatRTSvrRxPipFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxPipFailedReq indicates the total number of failed Retransmission (RT) requests received from Picture-In-Picture (PIP) channels on this interface.
vdolfStatRTSvrRxPipRTReq [Vdo If Stat RTSvr Rx Pip RTReq] (tmnxVdolfStatRTSvrRxPipRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxPipRTReq indicates the total number of Retransmission (RT) requests received from Picture-In-Picture (PIP) channels on this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatRTSvrRxSdFailedReq [Vdo If Stat RTSvr Rx Sd Failed Req] (tmnxVdolfStatRTSvrRxSdFailedReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxSdFailedReq indicates the total number of failed Retransmission (RT) requests received from Standard Definition (SD) channels on this interface.
vdolfStatRTSvrRxSdRTReq [Vdo If Stat RTSvr Rx Sd RTReq] (tmnxVdolfStatRTSvrRxSdRTReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrRxSdRTReq indicates the total number of Retransmission (RT) requests received from Standard Definition (SD) channels on this interface.
vdolfStatRTSvrSdRtpPktsReq [Vdo If Stat RTSvr Sd Rtp Pkts Req] (tmnxVdolfStatRTSvrSdRtpPktsReq)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrSdRtpPktsReq indicates the total number of Standard Definition (SD) channel Real-time Transport Protocol (RTP) packets requested in the Real-time Transport Control Protocol (RTCP) feedback (FB) messages received on this interface.
vdolfStatRTSvrTxHdBytes [Vdo If Stat RTSvr Tx Hd Bytes] (tmnxVdolfStatRTSvrTxHdBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdBytes indicates the total number of High Definition (HD) channel bytes sent from this interface.
vdolfStatRTSvrTxHdPackets [Vdo If Stat RTSvr Tx Hd Packets] (tmnxVdolfStatRTSvrTxHdPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdPackets indicates the total number of High Definition (HD) channel packets sent from this interface.
vdolfStatRTSvrTxHdRTReplies [Vdo If Stat RTSvr Tx Hd RTReplies] (tmnxVdolfStatRTSvrTxHdRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxHdRTReplies indicates the total number of High Definition (HD) channel Retransmission (RT) replies sent from this interface.
vdolfStatRTSvrTxPipBytes [Vdo If Stat RTSvr Tx Pip Bytes] (tmnxVdolfStatRTSvrTxPipBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipBytes indicates the total number of Picture-In-Picture (PIP) channel bytes sent from this interface.

Table 573 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vdolfStatRTSvrTxPipPackets [Vdo If Stat RTSvr Tx Pip Packets] (tmnxVdolfStatRTSvrTxPipPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipPackets indicates the total number of Picture-In-Picture (PIP) channel packets sent from this interface.
vdolfStatRTSvrTxPipRTReplies [Vdo If Stat RTSvr Tx Pip RTReplies] (tmnxVdolfStatRTSvrTxPipRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxPipRTReplies indicates the total number of Picture-In-Picture (PIP) channel Retransmission (RT) replies sent from this interface.
vdolfStatRTSvrTxSdBytes [Vdo If Stat RTSvr Tx Sd Bytes] (tmnxVdolfStatRTSvrTxSdBytes)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdBytes indicates the total number of Standard Definition (SD) channel bytes sent from this interface.
vdolfStatRTSvrTxSdPackets [Vdo If Stat RTSvr Tx Sd Packets] (tmnxVdolfStatRTSvrTxSdPackets)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdPackets indicates the total number of Standard Definition (SD) channel packets sent from this interface.
vdolfStatRTSvrTxSdRTReplies [Vdo If Stat RTSvr Tx Sd RTReplies] (tmnxVdolfStatRTSvrTxSdRTReplies)	java. math. BigInteger	The value of tmnxVdolfStatRTSvrTxSdRTReplies indicates the total number of Standard Definition (SD) channel Retransmission (RT) replies sent from this interface.
vdolfStatSdFCCServerMode [Vdo If Stat Sd FCCServer Mode] (tmnxVdolfStatSdFCCServerMode)	int	The value of tmnxVdolfStatSdFCCServerMode indicates the mode of the Standard Definition (SD) Fast Channel Change (FCC) server on this interface.
vdolfStatSdRTServerState [Vdo If Stat Sd RTServer State] (tmnxVdolfStatSdRTServerState)	boolean	The value of tmnxVdolfStatSdRTServerState indicates whether the Standard Definition (SD) retransmission server is enabled on this interface.
vdolfStatTxFailedPackets [Vdo If Stat Tx Failed Packets] (tmnxVdolfStatTxFailedPackets)	java. math. BigInteger	The value of tmnxVdolfStatTxFailedPackets indicates the total number of failures during the transmission of packets from this video interface. Failure happens when the packet to be sent is not stored in the video cache.

Table 574 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 574 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats MIB entry name: tCpmIPv6FilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created. Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 574 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats</p> <p>MIB entry name: tCpmMacFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFilterEntryId. Entries are created when tCpmMacFilterEntry rows are created.</p> <p>Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 574 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey</p>		

Table 574 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 574 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 575 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetFarEndLineCurrentStats MIB entry name: sonetFarEndLineCurrentEntry Entry description: An entry in the SONET/SDH Far End Line Current table. Table description (for sonetFarEndLineCurrentTable): The SONET/SDH Far End Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetFarEndLineCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndLineCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Medium/Section/Line interface in the current 15 minute interval.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndLineIntervalStats</p> <p>MIB entry name: sonetFarEndLineIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Line Interval table.</p> <p>Table description (for sonetFarEndLineIntervalTable): The SONET/SDH Far End Line Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetFarEndLineIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndLineIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndLineIntervalSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndLineIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Line interface in a particular 15-minute interval in the past 24 hours.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathCurrentStats MIB entry name: sonetFarEndPathCurrentEntry Entry description: An entry in the SONET/SDH Far End Path Current table. Table description (for sonetFarEndPathCurrentTable): The SONET/SDH Far End Path Current table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndPathCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathCurrentSESs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in the current 15 minute interval.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndPathIntervalStats</p> <p>MIB entry name: sonetFarEndPathIntervalEntry</p> <p>Entry description: An entry in the SONET/SDH Far End Path Interval table.</p> <p>Table description (for sonetFarEndPathIntervalTable): The SONET/SDH Far End Path Interval table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetFarEndPathIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndPathIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndPathIntervalSEsS)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (sonetFarEndPathIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH Path interface in a particular 15-minute interval in the past 24 hours.
SonetFarEndVtCurrentStats MIB entry name: sonetFarEndVtCurrentEntry Entry description: An entry in the SONET/SDH Far End VT Current table. Table description (for sonetFarEndVtCurrentTable): The SONET/SDH Far End VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetFarEndVtCurrentCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in the current 15 minute interval.
erroredSeconds [Errored Seconds] (sonetFarEndVtCurrentESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH interface in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVtCurrentSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVtCurrentUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in the current 15 minute interval.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetFarEndVTIntervalStats MIB entry name: sonetFarEndVTIntervalEntry Entry description: An entry in the SONET/SDH Far End VT Interval table. Table description (for sonetFarEndVTIntervalTable): The SONET/SDH Far End VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel</p>		
codingViolations [Coding Violations] (sonetFarEndVTIntervalCVs)	long	The counter associated with the number of Far End Coding Violations reported via the far end block error count encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetFarEndVTIntervalESs)	long	The counter associated with the number of Far End Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetFarEndVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetFarEndVTIntervalSESSs)	long	The counter associated with the number of Far End Severely Errored Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetFarEndVTIntervalUASs)	long	The counter associated with the number of Far End Unavailable Seconds encountered by a SONET/SDH VT interface in a particular 15-minute interval in the past 24 hours.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SonetLineCurrentStats MIB entry name: sonetLineCurrentEntry Entry description: An entry in the SONET/SDH Line Current table. Table description (for sonetLineCurrentTable): The SONET/SDH Line Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetLineCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval.
currentStatus [Current Status] (sonetLineCurrentStatus)	long	This variable indicates the status of the interface. The sonetLineCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetLineNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetLineNoDefect 2 sonetLineAIS 4 sonetLineRDI
erroredSeconds [Errored Seconds] (sonetLineCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineCurrentSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetLineCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetLineIntervalStats MIB entry name: sonetLineIntervalEntry Entry description: An entry in the SONET/SDH Line Interval table. Table description (for sonetLineIntervalTable): The SONET/SDH Line Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
codingViolations [Coding Violations] (sonetLineIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetLineIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetLineIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetLineIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetLineIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in a particular 15-minute interval in the past 24 hours.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SonetPathCurrentStats MIB entry name: sonetPathCurrentEntry Entry description: An entry in the SONET/SDH Path Current table. Table description (for sonetPathCurrentTable): The SONET/SDH Path Current table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval.
currentStatus [Current Status] (sonetPathCurrentStatus)	long	This variable indicates the status of the interface. The sonetPathCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetPathNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetPathNoDefect 2 sonetPathSTSLOP 4 sonetPathSTSAIS 8 sonetPathSTSRDI 16 sonetPathUnequipped 32 sonetPathSignalLabelMismatch
currentWidth [Current Width] (sonetPathCurrentWidth)	int	A value that indicates the type of the SONET/SDH Path. For SONET, the assigned types are the STS-Nc SPEs, where N = 1, 3, 12, 24, 48, 192 and 768. STS-1 is equal to 51.84 Mbps. For SDH, the assigned types are the STM-Nc VCs, where N = 1, 4, 16, 64 and 256.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetPathCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetPathCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval.
<p>SonetPathIntervalStats MIB entry name: sonetPathIntervalEntry Entry description: An entry in the SONET/SDH Path Interval table. Table description (for sonetPathIntervalTable): The SONET/SDH Path Interval table. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.Tu3Channel 		
codingViolations [Coding Violations] (sonetPathIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetPathIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalNumber [Interval Number] (sonetPathIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.
severelyErroredSeconds [Severely Errored Seconds] (sonetPathIntervalSESS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetPathIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a Path in a particular 15-minute interval in the past 24 hours.
SonetSectionCurrentStats MIB entry name: sonetSectionCurrentEntry Entry description: An entry in the SONET/SDH Section Current table. Table description (for sonetSectionCurrentTable): The SONET/SDH Section Current table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval.
currentStatus [Current Status] (sonetSectionCurrentStatus)	long	This variable indicates the status of the interface. The sonetSectionCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects simultaneously. The sonetSectionNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetSectionNoDefect 2 sonetSectionLOS 4 sonetSectionLOF

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetSectionCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionCurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionCurrentSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval.
SonetSectionIntervalStats MIB entry name: sonetSectionIntervalEntry Entry description: An entry in the SONET/SDH Section Interval table. Table description (for sonetSectionIntervalTable): The SONET/SDH Section Interval table. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
codingViolations [Coding Violations] (sonetSectionIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetSectionIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetSectionIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (sonetSectionIntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
severelyErroredSeconds [Severely Errored Seconds] (sonetSectionIntervalSESSs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in a particular 15-minute interval in the past 24 hours.
SonetVtCurrentStats MIB entry name: sonetVtCurrentEntry Entry description: An entry in the SONET/SDH VT Current table. Table description (for sonetVtCurrentTable): The SONET/SDH VT Current table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVtCurrentCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in the current 15 minute interval.
currentStatus [Current Status] (sonetVtCurrentStatus)	long	This variable indicates the status of the interface. The sonetVtCurrentStatus is a bit map represented as a sum, therefore, it can represent multiple defects and failures simultaneously. The sonetVTNoDefect should be set if and only if no other flag is set. The various bit positions are: 1 sonetVTNoDefect 2 sonetVTLOP 4 sonetVtPathAIS 8 sonetVtPathRDI 16 sonetVtPathRFI 32 sonetVTUnequipped 64 sonetVTSignalLabelMismatch
currentWidth [Current Width] (sonetVtCurrentWidth)	int	A value that indicates the type of the SONET VT and SDH VC. Assigned widths are VT1.5/VC11, VT2/VC12, VT3, VT6/VC2, and VT6c.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (sonetVTCurrentESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
severelyErroredSeconds [Severely Errored Seconds] (sonetVTCurrentSEsS)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in the current 15 minute interval.
unavailableSeconds [Unavailable Seconds] (sonetVTCurrentUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in the current 15 minute interval.
SonetVtIntervalStats MIB entry name: sonetVTIntervalEntry Entry description: An entry in the SONET/SDH VT Interval table. Table description (for sonetVTIntervalTable): The SONET/SDH VT Interval table. Supports realtime plotting Supports scheduled collection Monitored class: sonetequipment.TributaryChannel		
codingViolations [Coding Violations] (sonetVTIntervalCVs)	long	The counter associated with the number of Coding Violations encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
erroredSeconds [Errored Seconds] (sonetVTIntervalESs)	long	The counter associated with the number of Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
intervalNumber [Interval Number] (sonetVTIntervalNumber)	int	A number between 1 and 96, which identifies the interval for which the set of statistics is available. The interval identified by 1 is the most recently completed 15 minute interval, and the interval identified by N is the interval immediately preceding the one identified by N-1.

Table 575 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredSeconds [Severely Errored Seconds] (sonetVTIntervalSESs)	long	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH VT in a particular 15-minute interval in the past 24 hours.
unavailableSeconds [Unavailable Seconds] (sonetVTIntervalUASs)	long	The counter associated with the number of Unavailable Seconds encountered by a VT in a particular 15-minute interval in the past 24 hours.

Table 576 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 576 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 577 subscrauth statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PolicyStats</p> <p>MIB entry name: tmnxSubAuthPlcyStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.Policy</p>		
rejectedAuthentications [Rejected Authentications] (tmnxSubAuthPlcyReject)	long	The value of tmnxSubAuthPlcyReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the authentication. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
rejectedRadiusFallbackAuthentications [Rejected Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackReject)	long	The value of tmnxSubAuthPlcyReject indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were rejected by the fallback mechanism.
successfulAuthentications [Successful Authentications] (tmnxSubAuthPlcySuccess)	long	The value of tmnxSubAuthPlcySuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully. Note that not all requests are therefore forwarded to radius. If several requests are sent in a short timeframe, only the first one is sent to radius.
successfulRadiusFallbackAuthentications [Successful Radius Fallback Authentications] (tmnxSubAuthPlcyFallbackSuccess)	long	The value of tmnxSubAuthPlcySuccess indicates how many subscriber messages (e.g. DHCP, PPPoE, ...) were authenticated successfully by the fallback mechanism.

Table 577 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadiusEntryStats</p> <p>MIB entry name: tmnxSubAuthPlcyRadStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a specific radius server in a subscriber authentication policy in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxSubAuthPlcyRadStatsTable): The tmnxSubAuthPlcyStatsTable has an entry for each subscriber authentication policy configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: subscrauth.RadiusEntry</p>		
failedAuthenticationOverloadRequests [Failed Authentication Overload Requests] (tmnxSubAuthPlcyRadOvrlSendFail)	long	The value of tmnxSubAuthPlcyRadOvrlSendFail indicates how many authentication requests failed because the packet could not be sent out while the RADIUS server was in overload.
failedAuthenticationRequests [Failed Authentication Requests] (tmnxSubAuthPlcyRadSendFail)	long	The value of tmnxSubAuthPlcyRadSendFail indicates how many authentication requests failed because the packet could not be sent out.
md5VerificationFailedRequests [Md 5 Verification Failed Requests] (tmnxSubAuthPlcyRadMd5Fail)	long	The value of tmnxSubAuthPlcyRadMd5Fail indicates how many times the MD5 verification failed on a msg from this radius server.
pendingAuthenticationRequest [Pending Authentication Request] (tmnxSubAuthPlcyRadPending)	long	The value of tmnxSubAuthPlcyRadPending indicates how many authentication requests are currently pending.
rejectedAuthenticationRequests [Rejected Authentication Requests] (tmnxSubAuthPlcyRadReject)	long	The value of tmnxSubAuthPlcyRadReject indicates how many authentication requests were rejected by this radius server.
successfulAuthenticationRequests [Successful Authentication Requests] (tmnxSubAuthPlcyRadSuccess)	long	The value of tmnxSubAuthPlcyRadSuccess indicates how many authentication requests were accepted by this radius server.

Table 577 subscrauth statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timedOutAuthenticationRequests [Timed Out Authentication Requests] (tmnxSubAuthPlcyRadTimeout)	long	The value of tmnxSubAuthPlcyRadTimeout indicates how many times this radius did not reply to an authentication request within the timeout.

Table 578 svq statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteEgrAggrScdrPlcyStats</p> <p>MIB entry name: custMultiSvcSiteEgrStatsEntry</p> <p>Entry description: Egress statistics about a specific customer multi service site egress scheduler.</p> <p>Table description (for custMultiSvcSiteEgrStatsTable): A table that contains egress QoS scheduler statistics for the customer multi service site.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custEgrQoSStatsForwardedOctets)	java. math. BigInteger	The value of the object custEgrQoSStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrQoSStatsForwardedPackets)	java. math. BigInteger	The value of the object custEgrQoSStatsForwardedPackets indicates number of forwarded packets, as determined by the customer multi service site egress scheduler policy.
schedulerName [Scheduler Name] (custEgrQoSStatsName)	String	The index of the egress QoS scheduler of this customer multi service site.
<p>CustMultiSvcSiteEgrSchedPlcyPortStats</p> <p>MIB entry name: custMultiSvcSiteEgrSchedPlcyPortStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific customer multi service site egress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for custMultiSvcSiteEgrSchedPlcyPortStatsTable): The custMultiSvcSiteEgrSchedPlcyPortStatsTable contains egress QoS scheduler statistics for the customer multi service site, organized by scheduler policy.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 578 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (custEgrSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of custEgrSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of custEgrSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site egress scheduler policy.
portID [Port ID] (custEgrSchedPlcyPortStatsPort)	long	The value of custEgrSchedPlcyPortStatsPort is used as an index of the egress QoS scheduler of this customer multi service site. When an MSS assignment is an aps/ccag/lag in 'link' mode, each member-port of the aps/ccag/lag has its own scheduler. This object refers to the TmnxPortID of these member-ports.
<p>CustMultiSvcSiteEgrSchedPlcyStats MIB entry name: custMultiSvcSiteEgrSchedPlcyStatsEntry Entry description: Egress statistics about a specific customer multi service site egress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies. Table description (for custMultiSvcSiteEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the customer multi service site, organized by scheduler policy. Does not support realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The value of the object custEgrSchedPlcyStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site egress scheduler policy.
forwardedPackets [Forwarded Packets] (custEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The value of the object custEgrSchedPlcyStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site egress scheduler policy.

Table 578 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteIngAggrScdrPlyStats</p> <p>MIB entry name: custMultiSvcSiteIngStatsEntry</p> <p>Entry description: Ingress statistics about a specific customer multi service site ingress scheduler.</p> <p>Table description (for custMultiSvcSiteIngStatsTable): A table that contains ingress QoS scheduler statistics for the customer multi service site.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedOctets indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The value of the object custIngQoS SchedStatsForwardedPackets indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.
schedulerName [Scheduler Name] (custIngQoS SchedName)	String	The index of the ingress QoS scheduler of this customer multi service site.
<p>CustMultiSvcSiteIngSchedPlyPortStats</p> <p>MIB entry name: custMultiSvcSiteIngSchedPlyPortStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for custMultiSvcSiteIngSchedPlyPortStatsTable): The custMultiSvcSiteIngSchedPlyPortStatsTable contains ingress QoS scheduler statistics for the customer multi service site, organized by scheduler policy.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 578 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOctets [Forwarded Octets] (custIngSchedPlyPortStatsFwdOct)	java. math. BigInteger	The value of custIngSchedPlyPortStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngSchedPlyPortStatsFwdPkt)	java. math. BigInteger	The value of custIngSchedPlyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.
portID [Port ID] (custIngSchedPlyPortStatsPort)	long	The value of custIngSchedPlyPortStatsPort is used as an index of the ingress QoS scheduler of this customer multi service site. When an MSS assignment is an aps/ccag/lag in 'link' mode, each member-port of the aps/ccag/lag has its own scheduler. This object refers to the TmnxPortID of these member-ports.
<p>CustMultiSvcSiteIngSchedPlyStats</p> <p>MIB entry name: custMultiSvcSiteIngSchedPlyStatsEntry</p> <p>Entry description: Ingress statistics about a specific customer multi service site egress scheduler. Entries are created when a scheduler policy of a MSS is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for custMultiSvcSiteIngSchedPlyStatsTable): A table that contains ingress QoS scheduler statistics for the customer multi service site, organized by scheduler policy.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
forwardedOctets [Forwarded Octets] (custIngSchedPlyStatsFwdOct)	java. math. BigInteger	The value of the object custIngSchedPlyStatsFwdOct indicates the number of forwarded octets, as determined by the customer multi service site ingress scheduler policy.
forwardedPackets [Forwarded Packets] (custIngSchedPlyStatsFwdPkt)	java. math. BigInteger	The value of the object custIngSchedPlyStatsFwdPkt indicates the number of forwarded packets, as determined by the customer multi service site ingress scheduler policy.

Table 579 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecAppGrpStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecAppStats MIB entry name: tmnxBsxStatAaSubEntry Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name. Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber. Supports realtime plotting Does not support scheduled collection Monitored class: svt.SpokeSdpBinding</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java.math.BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java.math.BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCSHrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCSHrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>BsxSpokeSdpBindingCustRecProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubActFlwsFmSb)	long	The value of tmnxBsxStatAaSubActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubActFlwsToSb)	long	The value of tmnxBsxStatAaSubActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubLngDurFlws.
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubMedDurFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is the 64-bit version of tmnxBsxStatAaSubFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmFmSb.
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyFmSb.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.
statsInterval [Stats Interval] (tmnxBsxAaSubStatsInterval)	int	The tmnxBsxAaSubStatsInterval specifies the interval for the retrieval of application assurance subscriber statistics.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlwDur.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubTermFlws.
<p>BsxSpokeSdpBindingStudyAppStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLNgDurFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFlwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFlwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFlwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
<p>BsxSpokeSdpBindingStudyProtStats</p> <p>MIB entry name: tmnxBsxStatAaSubEntry</p> <p>Entry description: Each tmnxBsxStatAaSubEntry contains the application assurance per-subscriber statistics for a combination of group, partition, statistics interval, subscriber, statistics type, and statistics name.</p> <p>Table description (for tmnxBsxStatAaSubTable): The tmnxBsxStatAaSubTable contains an entry for each application-assurance subscriber for each statistics type within a group, partition and statistics interval. Each row contains the application assurance per-subscriber statistics collected for the subscriber. A subscriber is uniquely identified by a tmnxBsxAaSubscriberType and tmnxBsxAaSubscriber.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: svt.SpokeSdpBinding</p>		
aaSubscriber [Aa Subscriber] (tmnxBsxAaSubscriber)	String	The Application Assurance Subscriber identifier. The format of this object is determined by the value of the tmnxBsxAaSubscriberType.
activeFlowsFromSub [Active Flows From Sub] (tmnxBsxStatAaSubSdyActFlwsFmSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsFmSb indicates the number of allowed flows in the subscriber to network direction that are active.
activeFlowsToSub [Active Flows To Sub] (tmnxBsxStatAaSubSdyActFlwsToSb)	long	The value of tmnxBsxStatAaSubSdyActFlwsToSb indicates the number of allowed flows in the network to subscriber direction that are active.
durationFlowsLong [Duration Flows Long] (tmnxBsxStatAaSubSdyHCLngDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCLngDurFlws indicates the total number of flows with a duration greater than 180 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyLngDurFlws.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
durationFlowsMedium [Duration Flows Medium] (tmnxBsxStatAaSubSdyHCMedDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCMedDurFlws indicates the total number of flows with a duration less than or equal to 180 seconds, but greater than 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyMedDurFlws.
durationFlowsShort [Duration Flows Short] (tmnxBsxStatAaSubSdyHCShrtDurFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCShrtDurFlws indicates the total number of flows with a duration less than or equal to 30 seconds, that have completed. This object is a 64-bit version of tmnxBsxStatAaSubSdyShrtDurFlws.
flowsAdmitFromSub [Flows Admit From Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmFmSb indicates the total number of flows permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmFmSb.
flowsAdmitToSub [Flows Admit To Sub] (tmnxBsxStatAaSubSdyHCFIwsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsAdmToSb indicates the total number of flows permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsAdmToSb.
flowsDenyFromSub [Flows Deny From Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyFmSb indicates the total number of flows that dropped subsequent packets in the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyFmSb.
flowsDenyToSub [Flows Deny To Sub] (tmnxBsxStatAaSubSdyHCFIwsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCFIwsDnyToSb indicates the total number of flows that dropped subsequent packets in the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyFlwsDnyToSb.
octsAdmitFromSub [Octs Admit From Sub] (tmnxBsxStatAaSubSdyHCOctsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmFmSb indicates the total number of bytes permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmFmSb.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
octsAdmitToSub [Octs Admit To Sub] (tmnxBsxStatAaSubSdyHCOctsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsAdmToSb indicates the total number of bytes permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsAdmToSb.
octsDenyFromSub [Octs Deny From Sub] (tmnxBsxStatAaSubSdyHCOctsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyFmSb indicates the total number of bytes dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyFmSb.
octsDenyToSub [Octs Deny To Sub] (tmnxBsxStatAaSubSdyHCOctsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCOctsDnyToSb indicates the total number of bytes dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyOctsDnyToSb.
pktsAdmitFromSub [Pkts Admit From Sub] (tmnxBsxStatAaSubSdyHCPktsAdmFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmFmSb indicates the total number of packets permitted for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmFmSb.
pktsAdmitToSub [Pkts Admit To Sub] (tmnxBsxStatAaSubSdyHCPktsAdmToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsAdmToSb indicates the total number of packets permitted for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsAdmToSb.
pktsDenyFromSub [Pkts Deny From Sub] (tmnxBsxStatAaSubSdyHCPktsDnyFmSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyFmSb indicates the total number of packets dropped for the subscriber to network direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyFmSb.
pktsDenyToSub [Pkts Deny To Sub] (tmnxBsxStatAaSubSdyHCPktsDnyToSb)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCPktsDnyToSb indicates the total number of packets dropped for the network to subscriber direction. This object is a 64-bit version of tmnxBsxStatAaSubSdyPktsDnyToSb.
protName [Prot Name] (tmnxBsxStatAaName)	String	The value of tmnxBsxStatAaName specifies either the ISA-AA protocol, application or app-group name for which statistics are requested. The tmnxBsxStatAaType is used to determine the statistics type.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
termFlowDuration [Term Flow Duration] (tmnxBsxStatAaSubSdyHCTermFlwDur)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlwDur indicates the sum of all flow durations from first packet seen to last packet seen for flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlwDur.
termFlows [Term Flows] (tmnxBsxStatAaSubSdyHCTermFlws)	java. math. BigInteger	The value of tmnxBsxStatAaSubSdyHCTermFlws indicates the total number of allowed flows that have terminated. This object is a 64-bit version of tmnxBsxStatAaSubSdyTermFlws.
GRE Tunnel Stats MIB entry name: tmnxIpTunnelStatsEntry Entry description: The tmnxIpTunnelStatsEntry contains statistics information for a single IP Tunnel. Table description (for tmnxIpTunnelStatsTable): The tmnxIpTunnelStatsTable contains statistics entries per IP tunnel. Supports realtime plotting Supports scheduled collection Monitored class: svt.GRETunnel		
bytesRx [Bytes Rx] (tmnxIpTunnelBytesRx)	java. math. BigInteger	The value of tmnxIpTunnelBytesRx indicates the number of bytes this IP Tunnel has received.
bytesRxHi [Bytes Rx Hi] (tmnxIpTunnelBytesRxHi)	long	The value of tmnxIpTunnelBytesRxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesRxLo [Bytes Rx Lo] (tmnxIpTunnelBytesRxLo)	long	The value of tmnxIpTunnelBytesRxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesTx [Bytes Tx] (tmnxIpTunnelBytesTx)	java. math. BigInteger	The value of tmnxIpTunnelBytesTx indicates the number of bytes this IP Tunnel has sent.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bytesTxHi [Bytes Tx Hi] (tmnxIpTunnelBytesTxHi)	long	The value of tmnxIpTunnelBytesTxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesTx object.
bytesTxLo [Bytes Tx Lo] (tmnxIpTunnelBytesTxLo)	long	The value of tmnxIpTunnelBytesTxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesTx object.
invalidChksumRx [Invalid Chksum Rx] (tmnxIpTunnelInvalidChksumRx)	java. math. BigInteger	The value of tmnxIpTunnelInvalidChksumRx indicates the number of packets this IP Tunnel received with invalid checksum and were dropped.
invalidChksumRxHi [Invalid Chksum Rx Hi] (tmnxIpTunnelInvalidChksumRxHi)	long	The value of tmnxIpTunnelInvalidChksumRxHi indicates higher 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
invalidChksumRxLo [Invalid Chksum Rx Lo] (tmnxIpTunnelInvalidChksumRxLo)	long	The value of tmnxIpTunnelInvalidChksumRxLo indicates lower 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
keyIgnoredRx [Key Ignored Rx] (tmnxIpTunnelKeyIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelKeyIgnoredRx indicates the number of packets this IP Tunnel received and processed ignoring key field.
keyIgnoredRxHi [Key Ignored Rx Hi] (tmnxIpTunnelKeyIgnoredRxHi)	long	The value of tmnxIpTunnelKeyIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
keyIgnoredRxLo [Key Ignored Rx Lo] (tmnxIpTunnelKeyIgnoredRxLo)	long	The value of tmnxIpTunnelKeyIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
loopsRx [Loops Rx] (tmnxIpTunnelLoopsRx)	java. math. BigInteger	The value of tmnxIpTunnelLoopsRx indicates the number of packets this IP Tunnel received with payload with destination address which could result in a loop and were dropped.
loopsRxHi [Loops Rx Hi] (tmnxIpTunnelLoopsRxHi)	long	The value of tmnxIpTunnelLoopsRxHi indicates higher 32 bits of the value of tmnxIpTunnelLoopsRx object.
loopsRxLo [Loops Rx Lo] (tmnxIpTunnelLoopsRxLo)	long	The value of tmnxIpTunnelLoopsRxLo indicates lower 32 bits of the value of tmnxIpTunnelLoopsRx object.
pktsRx [Pkts Rx] (tmnxIpTunnelPktsRx)	java. math. BigInteger	The value of tmnxIpTunnelPktsRx indicates the number of packets this IP Tunnel has received.
pktsRxHi [Pkts Rx Hi] (tmnxIpTunnelPktsRxHi)	long	The value of tmnxIpTunnelPktsRxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsRxLo [Pkts Rx Lo] (tmnxIpTunnelPktsRxLo)	long	The value of tmnxIpTunnelPktsRxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsTx [Pkts Tx] (tmnxIpTunnelPktsTx)	java. math. BigInteger	The value of tmnxIpTunnelPktsTx indicates the number of packets this IP Tunnel has sent.
pktsTxHi [Pkts Tx Hi] (tmnxIpTunnelPktsTxHi)	long	The value of tmnxIpTunnelPktsTxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsTx object.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pktsTxLo [Pkts Tx Lo] (tmnxIpTunnelPktsTxLo)	long	The value of tmnxIpTunnelPktsTxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsTx object.
rxErrors [Rx Errors] (tmnxIpTunnelRxErrors)	long	The value of tmnxIpTunnelRxErrors indicates the number of packet receive errors.
seqIgnoredRx [Seq Ignored Rx] (tmnxIpTunnelSeqIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelSeqIgnoredRx indicates the number of packets this IP Tunnel and processed ignoring sequence field.
seqIgnoredRxHi [Seq Ignored Rx Hi] (tmnxIpTunnelSeqIgnoredRxHi)	long	The value of tmnxIpTunnelSeqIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
seqIgnoredRxLo [Seq Ignored Rx Lo] (tmnxIpTunnelSeqIgnoredRxLo)	long	The value of tmnxIpTunnelSeqIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
tooBigTx [Too Big Tx] (tmnxIpTunnelTooBigTx)	java. math. BigInteger	The value of tmnxIpTunnelTooBigTx indicates the number of packets this IP Tunnel received which were too big to transmit.
tooBigTxHi [Too Big Tx Hi] (tmnxIpTunnelTooBigTxHi)	long	The value of tmnxIpTunnelTooBigTxHi indicates higher 32 bits of the value of tmnxIpTunnelTooBigTx object.
tooBigTxLo [Too Big Tx Lo] (tmnxIpTunnelTooBigTxLo)	long	The value of tmnxIpTunnelTooBigTxLo indicates lower 32 bits of the value of tmnxIpTunnelTooBigTx object.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txErrors [Tx Errors] (tmnxIpTunnelTxErrors)	long	The value of tmnxIpTunnelTxErrors indicates the number of packet transmit errors.
versUnsupRx [Vers Unsup Rx] (tmnxIpTunnelVersUnsupRx)	java. math. BigInteger	The value of tmnxIpTunnelVersUnsupRx indicates the number of packets this IP Tunnel received with unsupported IP version and were dropped.
versUnsupRxHi [Vers Unsup Rx Hi] (tmnxIpTunnelVersUnsupRxHi)	long	The value of tmnxIpTunnelVersUnsupRxHi indicates higher 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
versUnsupRxLo [Vers Unsup Rx Lo] (tmnxIpTunnelVersUnsupRxLo)	long	The value of tmnxIpTunnelVersUnsupRxLo indicates lower 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats</p> <p>MIB entry name: sdpBindBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SDP Binding.</p> <p>Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInte- ger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingIgmPsnpgErrorStats</p> <p>MIB entry name: sdpBindIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindIgmPsnpgStatsEntry is an entry in the sdpBindIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmPsnpgStatsTable): sdpBindIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgImportPolicyDrops [Sdp Bnd Igm Psnpg Import Policy Drops] (sdpBndIgmPsnpgImportPolicyDrops)	long	The value of the object sdpBndIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmPsnpgMaxNumGroupsDrops [Sdp Bnd Igm Psnpg Max Num Groups Drops] (sdpBndIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmPsnpgMaxNumGrpSourcesDrops [Sdp Bnd Igm Psnpg Max Num Grp Sources Drops] (sdpBndIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SDP Bind.
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd Igm Psnpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgSendQueryCfgDrops for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd Igmp Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd Igmp Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd Igmp Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd Igmp Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd Igmp Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd Igmp Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd Igmp Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd Igmp Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd Igmp Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnPgRxV2Leaves [Sdp Bnd Igmp Snpg Rx V2 Leaves] (sdpBndIgmPsnPgRxV2Leaves)	long	The value of the object sdpBndIgmPsnPgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnPgRxV2Reports [Sdp Bnd Igmp Snpg Rx V2 Reports] (sdpBndIgmPsnPgRxV2Reports)	long	The value of the object sdpBndIgmPsnPgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnPgRxV3Reports [Sdp Bnd Igmp Snpg Rx V3 Reports] (sdpBndIgmPsnPgRxV3Reports)	long	The value of the object sdpBndIgmPsnPgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnPgTxGenQueries [Sdp Bnd Igmp Snpg Tx Gen Queries] (sdpBndIgmPsnPgTxGenQueries)	long	The value of the object sdpBndIgmPsnPgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnPgTxGrpSpecQueries [Sdp Bnd Igmp Snpg Tx Grp Spec Queries] (sdpBndIgmPsnPgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnPgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnPgTxSrcSpecQueries [Sdp Bnd Igmp Snpg Tx Src Spec Queries] (sdpBndIgmPsnPgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnPgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnPgTxV1Reports [Sdp Bnd Igmp Snpg Tx V1 Reports] (sdpBndIgmPsnPgTxV1Reports)	long	The value of the object sdpBndIgmPsnPgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnPgTxV2Leaves [Sdp Bnd Igmp Snpg Tx V2 Leaves] (sdpBndIgmPsnPgTxV2Leaves)	long	The value of the object sdpBndIgmPsnPgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnPgTxV2Reports [Sdp Bnd Igmp Snpg Tx V2 Reports] (sdpBndIgmPsnPgTxV2Reports)	long	The value of the object sdpBndIgmPsnPgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.

Table 579 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 580 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS1CurrentStats MIB entry name: dsx1CurrentEntry Entry description: An entry in the DS1 Current table. Table description (for dsx1CurrentTable): The DS1 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1CurrentBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1CurrentCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1CurrentDMs)	long	The number of Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1CurrentESs)	long	The number of Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx1CurrentLCVs)	long	The number of Line Code Violations (LCVs).
lineErroredSeconds [Line Errored Seconds] (dsx1CurrentLESSs)	long	The number of Line Errored Seconds.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1CurrentPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1CurrentSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1CurrentSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1CurrentUASs)	long	The number of Unavailable Seconds.
DS1FarEndCurrentStats MIB entry name: dsx1FarEndCurrentEntry Entry description: An entry in the DS1 Far End Current table. Table description (for dsx1FarEndCurrentTable): The DS1 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end messages on the Facilities Data Link. The definitions are the same as described for the near-end information. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndCurrentBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndCurrentCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndCurrentDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndCurrentESs)	long	The number of Far End Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx1FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx1FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndCurrentLEsSs)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndCurrentPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndCurrentSEFSs)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndCurrentSEsSs)	long	The number of Far End Severely Errored Seconds.
timeElapsed [Time Elapsed] (dsx1FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx1FarEndCurrentUASs)	long	The number of Unavailable Seconds.
validIntervals [Valid Intervals] (dsx1FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS1FarEndIntervalStats MIB entry name: dsx1FarEndIntervalEntry Entry description: An entry in the DS1 Far End Interval table. Table description (for dsx1FarEndIntervalTable): The DS1 Far End Interval Table contains various statistics collected by each DS1 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1FarEndIntervalNumber) for one specific instance (identified by dsx1FarEndIntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndIntervalBESs)	long	The number of Far End Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndIntervalCSSs)	long	The number of Far End Controlled Slip Seconds.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
degradedMinutes [Degraded Minutes] (dsx1FarEndIntervalDMs)	long	The number of Far End Degraded Minutes.
erroredSeconds [Errored Seconds] (dsx1FarEndIntervalESS)	long	The number of Far End Errored Seconds.
intervalNumber [Interval Number] (dsx1FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndIntervalLESS)	long	The number of Far End Line Errored Seconds.
pathCodingViolations [Path Coding Violations] (dsx1FarEndIntervalPCVs)	long	The number of Far End Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndIntervalSEFSS)	long	The number of Far End Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndIntervalSESS)	long	The number of Far End Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndIntervalUASs)	long	The number of Unavailable Seconds.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1FarEndTotalStats</p> <p>MIB entry name: dsx1FarEndTotalEntry</p> <p>Entry description: An entry in the DS1 Far End Total table.</p> <p>Table description (for dsx1FarEndTotalTable): The DS1 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1FarEndTotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1FarEndTotalCSSs)	long	The number of Far End Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1FarEndTotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1FarEndTotalESs)	long	The number of Far End Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1FarEndTotalLESs)	long	The number of Far End Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pathCodingViolations [Path Coding Violations] (dsx1FarEndTotalPCVs)	long	The number of Far End Path Coding Violations reported via the far end block error count encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1FarEndTotalSEFSs)	long	The number of Far End Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1FarEndTotalSEsSs)	long	The number of Far End Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1FarEndTotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
<p>DS1IntervalStats MIB entry name: dsx1IntervalEntry Entry description: An entry in the DS1 Interval table. Table description (for dsx1IntervalTable): The DS1 Interval Table contains various statistics collected by each DS1 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx1IntervalNumber) for one specific instance (identified by dsx1IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel</p>		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1IntervalBESs)	long	The number of Bursty Errored Seconds.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1IntervalCSSs)	long	The number of Controlled Slip Seconds.
degradedMinutes [Degraded Minutes] (dsx1IntervalDMs)	long	The number of Degraded Minutes.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
erroredSeconds [Errored Seconds] (dsx1IntervalESs)	long	The number of Errored Seconds.
intervalNumber [Interval Number] (dsx1IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
lineCodingViolations [Line Coding Violations] (dsx1IntervalLCVs)	long	The number of Line Code Violations.
lineErroredSeconds [Line Errored Seconds] (dsx1IntervalLESSs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx1IntervalPCVs)	long	The number of Path Coding Violations.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1IntervalSEFSs)	long	The number of Severely Errored Framing Seconds.
severelyErroredSeconds [Severely Errored Seconds] (dsx1IntervalSESSs)	long	The number of Severely Errored Seconds.
unavailableSeconds [Unavailable Seconds] (dsx1IntervalUASs)	long	The number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS1TotalStats MIB entry name: dsx1TotalEntry Entry description: An entry in the DS1 Total table. Table description (for dsx1TotalTable): The DS1 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1Channel		
burstyErroredSeconds [Bursty Errored Seconds] (dsx1TotalBESs)	long	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
controlledSlipSeconds [Controlled Slip Seconds] (dsx1TotalCSSs)	long	The number of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
degradedMinutes [Degraded Minutes] (dsx1TotalDMs)	long	The number of Degraded Minutes (DMs) encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
erroredSeconds [Errored Seconds] (dsx1TotalESs)	long	The sum of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx1TotalLCVs)	long	The number of Line Code Violations (LCVs) encountered by a DS1 interface in the current 15 minute interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx1TotalLESs)	long	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitCodingViolations [PBit Coding Violations] (dsx1TotalPCVs)	long	The number of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx1TotalSEFSs)	long	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredSeconds [Severely Errored Seconds] (dsx1TotalSESSs)	long	The number of Severely Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx1TotalUASs)	long	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3CurrentStats MIB entry name: dsx3CurrentEntry Entry description: An entry in the DS3/E3 Current table. Table description (for dsx3CurrentTable): The DS3/E3 current table contains various statistics being collected for the current 15 minute interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3CurrentCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3CurrentCESSs)	long	The number of C-bit Errored Seconds.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3CurrentCSEs)	long	The number of C-bit Severely Errored Seconds.
lineCodingViolations [Line Coding Violations] (dsx3CurrentLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3CurrentLESs)	long	The number of Line Errored Seconds.
pBitCodingViolations [PBit Coding Violations] (dsx3CurrentPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3CurrentPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3CurrentPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3CurrentSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3CurrentUASs)	long	The counter associated with the number of Unavailable Seconds.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
DS3FarEndCurrentStats MIB entry name: dsx3FarEndCurrentEntry Entry description: An entry in the DS3 Far End Current table. Table description (for dsx3FarEndCurrentTable): The DS3 Far End Current table contains various statistics being collected for the current 15 minute interval. The statistics are collected from the far end block error code within the C-bits. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndCurrentCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndCurrentCESS)	long	The counter associated with the number of Far End C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndCurrentCSESS)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
invalidIntervals [Invalid Intervals] (dsx3FarEndInvalidIntervals)	int	The number of intervals in the range from 0 to dsx3FarEndValidIntervals for which no data is available. This object will typically be zero except in cases where the data for some intervals are not available (e.g., in proxy situations).
timeElapsed [Time Elapsed] (dsx3FarEndTimeElapsed)	int	The number of seconds that have elapsed since the beginning of the far end current error-measurement period. If, for some reason, such as an adjustment in the system's time-of-day clock, the current interval exceeds the maximum value, the agent will return the maximum value.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndCurrentUASs)	long	The counter associated with the number of Far End unavailable seconds.
validIntervals [Valid Intervals] (dsx3FarEndValidIntervals)	int	The number of previous far end intervals for which data was collected. The value will be 96 unless the interface was brought online within the last 24 hours, in which case the value will be the number of complete 15 minute far end intervals since the interface has been online. In the case where the agent is a proxy, it is possible that some intervals are unavailable. In this case, this interval is the maximum interval number for which data is available.
<p>DS3FarEndIntervalStats</p> <p>MIB entry name: dsx3FarEndIntervalEntry</p> <p>Entry description: An entry in the DS3 Far End Interval table.</p> <p>Table description (for dsx3FarEndIntervalTable): The DS3 Far End Interval Table contains various statistics collected by each DS3 interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndIntervalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndIntervalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in one of the previous 96, individual 15 minute, intervals. In the case where the agent is a proxy and data is not available, return noSuchInstance.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndIntervalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3FarEndIntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.
unavailableSeconds [Unavailable Seconds] (dsx3FarEndIntervalUASs)	long	The counter associated with the number of Far End unavailable seconds.
DS3FarEndTotalStats MIB entry name: dsx3FarEndTotalEntry Entry description: An entry in the DS3 Far End Total table. Table description (for dsx3FarEndTotalTable): The DS3 Far End Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3FarEndTotalCCVs)	long	The counter associated with the number of Far End C-bit Coding Violations reported via the far end block error count encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3FarEndTotalCESs)	long	The counter associated with the number of Far End C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3FarEndTotalCSESSs)	long	The counter associated with the number of Far End C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unavailableSeconds [Unavailable Seconds] (dsx3FarEndTotalUASs)	long	The counter associated with the number of Far End unavailable seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
DS3IntervalStats MIB entry name: dsx3IntervalEntry Entry description: An entry in the DS3/E3 Interval table. Table description (for dsx3IntervalTable): The DS3/E3 Interval Table contains various statistics collected by each DS3/E3 Interface over the previous 24 hours of operation. The past 24 hours are broken into 96 completed 15 minute intervals. Each row in this table represents one such interval (identified by dsx3IntervalNumber) and for one specific interface (identified by dsx3IntervalIndex). Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel		
cBitCodingViolations [CBit Coding Violations] (dsx3IntervalCCVs)	long	The number of C-bit Coding Violations.
cBitErroredSeconds [CBit Errored Seconds] (dsx3IntervalCESSs)	long	The number of C-bit Errored Seconds.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3IntervalCSESSs)	long	The number of C-bit Severely Errored Seconds.
intervalNumber [Interval Number] (dsx3IntervalNumber)	int	A number between 1 and 96, where 1 is the most recently completed 15 minute interval and 96 is the 15 minutes interval completed 23 hours and 45 minutes prior to interval 1.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lineCodingViolations [Line Coding Violations] (dsx3IntervalLCVs)	long	The counter associated with the number of Line Coding Violations.
lineErroredSeconds [Line Errored Seconds] (dsx3IntervalLESSs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences).
pBitCodingViolations [PBit Coding Violations] (dsx3IntervalPCVs)	long	The counter associated with the number of P-bit Coding Violations.
pBitErroredSeconds [PBit Errored Seconds] (dsx3IntervalPESs)	long	The counter associated with the number of P-bit Errored Seconds.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3IntervalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3IntervalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds.
unavailableSeconds [Unavailable Seconds] (dsx3IntervalUASs)	long	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS3TotalStats MIB entry name: dsx3TotalEntry Entry description: An entry in the DS3/E3 Total table. Table description (for dsx3TotalTable): The DS3/E3 Total Table contains the cumulative sum of the various statistics for the 24 hour period preceding the current interval. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS3E3Channel</p>		
cBitCodingViolations [CBit Coding Violations] (dsx3TotalCCVs)	long	The number of C-bit Coding Violations encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitErroredSeconds [CBit Errored Seconds] (dsx3TotalCESs)	long	The number of C-bit Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
cBitSeverelyErroredSeconds [CBit Severely Errored Seconds] (dsx3TotalCSEsS)	long	The number of C-bit Severely Errored Seconds encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineCodingViolations [Line Coding Violations] (dsx3TotalLCVs)	long	The counter associated with the number of Line Coding Violations encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
lineErroredSeconds [Line Errored Seconds] (dsx3TotalLESs)	long	The number of Line Errored Seconds (BPVs or illegal zero sequences) encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitCodingViolations [PBit Coding Violations] (dsx3TotalPCVs)	long	The counter associated with the number of P-bit Coding Violations, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 580 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pBitErroredSeconds [PBit Errored Seconds] (dsx3TotalPESs)	long	The counter associated with the number of P-bit Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
pBitSeverelyErroredSeconds [PBit Severely Errored Seconds] (dsx3TotalPSESs)	long	The counter associated with the number of P-bit Severely Errored Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
severelyErroredFramingSeconds [Severely Errored Framing Seconds] (dsx3TotalSEFSs)	long	The counter associated with the number of Severely Errored Framing Seconds, encountered by a DS3/E3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.
unavailableSeconds [Unavailable Seconds] (dsx3TotalUASs)	long	The counter associated with the number of Unavailable Seconds, encountered by a DS3 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0.

Table 581 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CaptureL2AccessInterfaceStats MIB entry name: msapCaptureSapStatsEntry Entry description: Statistics for a specific 'capture' SAP. Table description (for msapCaptureSapStatsTable): A table that contains statistics for SAPs with a sapSubType value of 'capture'. Supports realtime plotting Supports scheduled collection Monitored class: vpls.L2AccessInterface</p>		
captureSapTriggerType [Capture Sap Trigger Type] (msapCaptureSapStatsTriggerType)	int	The value of msapCaptureSapStatsTriggerType indicates the type of trigger packets this entry is for.
droppedPackets [Dropped Packets] (msapCaptureSapStatsPktsDropped)	long	The value of msapCaptureSapStatsPktsDropped indicates the number of packets dropped on this 'capture' SAP.
receivedPackets [Received Packets] (msapCaptureSapStatsPktsRecvd)	long	The value of msapCaptureSapStatsPktsRecvd indicates the number of packets received on this 'capture' SAP.
redirectPackets [Redirect Packets] (msapCaptureSapStatsPktsRedirect)	long	The value of msapCaptureSapStatsPktsRedirect indicates the number of packets redirected on this 'capture' SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CircuitDhcpRelayCfgStats</p> <p>MIB entry name: sdpBindDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS spoke SDP or mesh SDP.</p> <p>Table description (for sdpBindDhcpStatsTable): sdpBindDhcpStatsTable contains DHCP statistics related to a TLS SDP Bind. A row will exist in this table for each spoke or mesh SDP in a TIs Service. Rows are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svt.SdpBinding</p>		
sdpBindDhcpStatsClntDropdPckts [Sdp Bind Dhcp Stats Clnt Dropd Pckts] (sdpBindDhcpStatsClntDropdPckts)	long	The value of the object sdpBindDhcpStatsClntDropdPckts indicates the number of DHCP client packets that have been dropped on this SDP bind.
sdpBindDhcpStatsClntForwdPckts [Sdp Bind Dhcp Stats Clnt Forwd Pckts] (sdpBindDhcpStatsClntForwdPckts)	long	The value of the object sdpBindDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsClntProxLSPckts [Sdp Bind Dhcp Stats Clnt Prox LSPckts] (sdpBindDhcpStatsClntProxLSPckts)	long	The value of the object sdpBindDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sdpBindDhcpStatsClntProxRadPckts [Sdp Bind Dhcp Stats Clnt Prox Rad Pckts] (sdpBindDhcpStatsClntProxRadPckts)	long	The value of the object sdpBindDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SDP bind based on data received from a RADIUS server.
sdpBindDhcpStatsClntSnoopdPckts [Sdp Bind Dhcp Stats Clnt Snoopd Pckts] (sdpBindDhcpStatsClntSnoopdPckts)	long	The value of the object sdpBindDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SDP bind.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBindDhcpStatsGenForceRenPckts [Sdp Bind Dhcp Stats Gen Force Ren Pckts] (sdpBindDhcpStatsGenForceRenPckts)	long	The value of the object sdpBindDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SDP bind to the DHCP clients.
sdpBindDhcpStatsGenReleasePckts [Sdp Bind Dhcp Stats Gen Release Pckts] (sdpBindDhcpStatsGenReleasePckts)	long	The value of the object sdpBindDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SDP bind to the DHCP server.
sdpBindDhcpStatsSvrDropdPckts [Sdp Bind Dhcp Stats Svr Dropd Pckts] (sdpBindDhcpStatsSvrDropdPckts)	long	The value of the object sdpBindDhcpStatsSvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SDP bind.
sdpBindDhcpStatsSvrForwdPckts [Sdp Bind Dhcp Stats Svr Forwd Pckts] (sdpBindDhcpStatsSvrForwdPckts)	long	The value of the object sdpBindDhcpStatsSvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SDP bind.
sdpBindDhcpStatsSvrSnoopdPckts [Sdp Bind Dhcp Stats Svr Snoopd Pckts] (sdpBindDhcpStatsSvrSnoopdPckts)	long	The value of the object sdpBindDhcpStatsSvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SDP bind.
InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
tmnxPimSnpgIfRxBadEncodings [Tmnx Pim Snpg If Rx Bad Encodings] (tmnxPimSnpgIfRxBadEncodings)	long	The value of tmnxPimSnpgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
tmnxPimSnpgIfRxBadVersionDscrd [Tmnx Pim Snpg If Rx Bad Version Dscrd] (tmnxPimSnpgIfRxBadVersionDscrd)	long	The value of tmnxPimSnpgIfRxBadVersionDscrd indicates the number of PIM messages with bad versions received on this interface.
tmnxPimSnpgIfRxHellos [Tmnx Pim Snpg If Rx Hellos] (tmnxPimSnpgIfRxHellos)	long	The value of tmnxPimSnpgIfRxHellos indicates the number of PIM hello messages received on this interface.
tmnxPimSnpgIfRxHellosDropped [Tmnx Pim Snpg If Rx Hellos Dropped] (tmnxPimSnpgIfRxHellosDropped)	long	The value of tmnxPimSnpgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
tmnxPimSnpgIfRxJoinPruneErrs [Tmnx Pim Snpg If Rx Join Prune Errs] (tmnxPimSnpgIfRxJoinPruneErrs)	long	The value of tmnxPimSnpgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
tmnxPimSnpgIfRxJoinPrunes [Tmnx Pim Snpg If Rx Join Prunes] (tmnxPimSnpgIfRxJoinPrunes)	long	The value of tmnxPimSnpgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
tmnxPimSnpgIfRxNbrUnknown [Tmnx Pim Snpg If Rx Nbr Unknown] (tmnxPimSnpgIfRxNbrUnknown)	long	The value of tmnxPimSnpgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfRxPkts [Tmnx Pim Snpg If Rx Pkts] (tmnxPimSnpgIfRxPkts)	long	The value of tmnxPimSnpgIfRxPkts indicates the number of multicast data packets received on this interface.
tmnxPimSnpgIfSGTypes [Tmnx Pim Snpg If SGTypes] (tmnxPimSnpgIfSGTypes)	long	The value of tmnxPimSnpgIfSGTypes indicates the number of (S,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfStarGTypes [Tmnx Pim Snpg If Star GTypes] (tmnxPimSnpgIfStarGTypes)	long	The value of tmnxPimSnpgIfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfTxJoinPrunes [Tmnx Pim Snpg If Tx Join Prunes] (tmnxPimSnpgIfTxJoinPrunes)	long	The value of tmnxPimSnpgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpgIfTxPkts [Tmnx Pim Snpg If Tx Pkts] (tmnxPimSnpgIfTxPkts)	long	The value of tmnxPimSnpgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>L2AccessInterfaceIcmpSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGImportPolicyDrops [Sap Igmp SnpG Import Policy Drops] (saplgmpSnpGImportPolicyDrops)	long	The value of the object saplgmpSnpGImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.
saplgmpSnpGMaxNumGroupsDrops [Sap Igmp SnpG Max Num Groups Drops] (saplgmpSnpGMaxNumGroupsDrops)	long	The value of the object saplgmpSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpGMaxNumGrpSrcsDrops [Sap Igmp SnpG Max Num Grp Sources Drops] (saplgmpSnpGMaxNumGrpSrcsDrops)	long	The value of the object saplgmpSnpGMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this SAP.
saplgmpSnpGMaxNumSourcesDrops [Sap Igmp SnpG Max Num Sources Drops] (saplgmpSnpGMaxNumSourcesDrops)	long	The value of the object saplgmpSnpGMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
saplgmpSnpGMcacPolicyDrops [Sap Igmp SnpG Mcac Policy Drops] (saplgmpSnpGMcacPolicyDrops)	long	The value of the object saplgmpSnpGMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.
saplgmpSnpGMcsFailures [Sap Igmp SnpG Mcs Failures] (saplgmpSnpGMcsFailures)	long	The value of the object saplgmpSnpGMcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
saplgmpSnpGRxBadEncodedPkts [Sap Igmp SnpG Rx Bad Encoded Pkts] (saplgmpSnpGRxBadEncodedPkts)	long	The value of the object saplgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpGRxBadIgmpChksmPkts [Sap Igmp SnpG Rx Bad Igmp Chksm Pkts] (saplgmpSnpGRxBadIgmpChksmPkts)	long	The value of the object saplgmpSnpGRxBadIgmpChksmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxBadIpChksmPkts [Sap IgmP SnpG Rx Bad Ip Chksm Pkts] (saplgmpSnpgrxBadIpChksmPkts)	long	The value of the object saplgmpSnpgrxBadIpChksmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.
saplgmpSnpgrxBadLenPkts [Sap IgmP SnpG Rx Bad Len Pkts] (saplgmpSnpgrxBadLenPkts)	long	The value of the object saplgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.
saplgmpSnpgrxNoRtrAlertPkts [Sap IgmP SnpG Rx No Rtr Alert Pkts] (saplgmpSnpgrxNoRtrAlertPkts)	long	The value of the object saplgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
saplgmpSnpgrxWrongVersionPkts [Sap IgmP SnpG Rx Wrong Version Pkts] (saplgmpSnpgrxWrongVersionPkts)	long	The value of the object saplgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
saplgmpSnpgrxZeroSrcAdrPkts [Sap IgmP SnpG Rx Zero Src Adr Pkts] (saplgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object saplgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
saplgmpSnpGSendQueryCfgDrops [Sap IgmP SnpG Send Query Cfg Drops] (saplgmpSnpGSendQueryCfgDrops)	long	The value of the object saplgmpSnpGSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpGCfgSendQueries for this SAP is set to 'enabled(1)'.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
L2AccessInterfaceIgmPsnpgStats MIB entry name: sapIgmPsnpgStatsEntry Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
sapIgmPsnpgFwdGenQueries [Sap Igmp Snpg Fwd Gen Queries] (sapIgmPsnpgFwdGenQueries)	long	The value of the object sapIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.
sapIgmPsnpgFwdGrpSpecQueries [Sap Igmp Snpg Fwd Grp Spec Queries] (sapIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sapIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
sapIgmPsnpgFwdSrcSpecQueries [Sap Igmp Snpg Fwd Src Spec Queries] (sapIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sapIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
sapIgmPsnpgFwdUnknownType [Sap Igmp Snpg Fwd Unknown Type] (sapIgmPsnpgFwdUnknownType)	long	The value of the object sapIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
sapIgmPsnpgFwdV1Reports [Sap Igmp Snpg Fwd V1 Reports] (sapIgmPsnpgFwdV1Reports)	long	The value of the object sapIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.
saplgmpSnpGRxSrcSpecQueries [Sap Igmp SnpG Rx Src Spec Queries] (saplgmpSnpGRxSrcSpecQueries)	long	The value of the object saplgmpSnpGRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpGRxUnknownType [Sap Igmp SnpG Rx Unknown Type] (saplgmpSnpGRxUnknownType)	long	The value of the object saplgmpSnpGRxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpGRxV1Reports [Sap Igmp SnpG Rx V1 Reports] (saplgmpSnpGRxV1Reports)	long	The value of the object saplgmpSnpGRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpGRxV2Leaves [Sap Igmp SnpG Rx V2 Leaves] (saplgmpSnpGRxV2Leaves)	long	The value of the object saplgmpSnpGRxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxV1Reports [Sap Igmp Snpgrx Tx V1 Reports] (saplgmpSnpgrxTxV1Reports)	long	The value of the object saplgmpSnpgrxTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
saplgmpSnpgrxTxV2Leaves [Sap Igmp Snpgrx Tx V2 Leaves] (saplgmpSnpgrxTxV2Leaves)	long	The value of the object saplgmpSnpgrxTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
saplgmpSnpgrxTxV2Reports [Sap Igmp Snpgrx Tx V2 Reports] (saplgmpSnpgrxTxV2Reports)	long	The value of the object saplgmpSnpgrxTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
saplgmpSnpgrxTxV3Reports [Sap Igmp Snpgrx Tx V3 Reports] (saplgmpSnpgrxTxV3Reports)	long	The value of the object saplgmpSnpgrxTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMldMvrStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgMvrFromVplsCfgDrops [Sap Mld Snpg Mvr From Vpls Cfg Drops] (sapMldSnpgMvrFromVplsCfgDrops)	long	The value of the object sapMldSnpgMvrFromVplsCfgDrops indicates the number of times an MLD group or Query is dropped because of applying the sapMldSnpgCfgMvrFromVplsId configuration on this SAP.
sapMldSnpgMvrToSapCfgDrops [Sap Mld Snpg Mvr To Sap Cfg Drops] (sapMldSnpgMvrToSapCfgDrops)	long	The value of the object sapMldSnpgMvrToSapCfgDrops indicates the number times an MLD Report or Query is dropped because of applying the sapMldSnpgCfgMvrToSapPortId and sapMldSnpgCfgMvrToSapEncapVal configuration on this SAP.
<p>L2AccessInterfaceMldSnpgErrorStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'.
L2AccessInterfaceMldSnpgStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface		
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMvrStats</p> <p>MIB entry name: sapIgmPsnpgStatsEntry</p> <p>Entry description: sapIgmPsnpgStatsEntry is an entry in the sapIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for sapIgmPsnpgStatsTable): sapIgmPsnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapIgmPsnpgMvrFromVplsCfgDrops [Sap IgmPsnpg Mvr From Vpls Cfg Drops] (sapIgmPsnpgMvrFromVplsCfgDrops)	long	The value of the object sapIgmPsnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the sapIgmPsnpgCfgMvrFromVplsId configuration on this SAP.
sapIgmPsnpgMvrToSapCfgDrops [Sap IgmPsnpg Mvr To Sap Cfg Drops] (sapIgmPsnpgMvrToSapCfgDrops)	long	The value of the object sapIgmPsnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the sapIgmPsnpgCfgMvrToSapPortId and sapIgmPsnpgCfgMvrToSapEncapVal configuration on this SAP.
<p>L2AccessIfDhcpRelayCfgStats</p> <p>MIB entry name: sapTIsDhcpStatsEntry</p> <p>Entry description: DHCP statistics for a TLS SAP.</p> <p>Table description (for sapTIsDhcpStatsTable): sapTIsDhcpStatsTable contains DHCP statistics related to a TLS SAP. This table complements sapTIsInfoTable, and contains an entry for each TIs SAP. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapTIsDhcpStatsClntDropdPkts [Sap TIs Dhcp Stats Clnt Dropd Pkts] (sapTIsDhcpStatsClntDropdPkts)	long	The value of the object sapTIsDhcpStatsClntDropdPkts indicates the number of DHCP client packets that have been dropped on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsClntForwdPckts [Sap Tls Dhcp Stats Clnt Forwd Pckts] (sapTlsDhcpStatsClntForwdPckts)	long	The value of the object sapTlsDhcpStatsClntForwdPckts indicates the number of DHCP client packets that have been forwarded on this SAP.
sapTlsDhcpStatsClntProxLSPckts [Sap Tls Dhcp Stats Clnt Prox LSPckts] (sapTlsDhcpStatsClntProxLSPckts)	long	The value of the object sapTlsDhcpStatsClntProxLSPckts indicates the number of DHCP client packets that have been proxied on this SAP based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
sapTlsDhcpStatsClntProxLUDBPckts [Sap Tls Dhcp Stats Clnt Prox LUDBPckts] (sapTlsDhcpStatsClntProxLUDBPckts)	long	The value of the object sapTlsDhcpStatsClntProxLUDBPckts indicates the number of DHCP client packets that have been proxied on this SAP based on the local user database.
sapTlsDhcpStatsClntProxRadPckts [Sap Tls Dhcp Stats Clnt Prox Rad Pckts] (sapTlsDhcpStatsClntProxRadPckts)	long	The value of the object sapTlsDhcpStatsClntProxRadPckts indicates the number of DHCP client packets that have been proxied on this SAP based on data received from a RADIUS server.
sapTlsDhcpStatsClntSnoopdPckts [Sap Tls Dhcp Stats Clnt Snoopd Pckts] (sapTlsDhcpStatsClntSnoopdPckts)	long	The value of the object sapTlsDhcpStatsClntSnoopdPckts indicates the number of DHCP client packets that have been snooped on this SAP.
sapTlsDhcpStatsGenForceRenPckts [Sap Tls Dhcp Stats Gen Force Ren Pckts] (sapTlsDhcpStatsGenForceRenPckts)	long	The value of the object sapTlsDhcpStatsGenForceRenPckts indicates the number of DHCP FORCERENEW messages spoofed on this SAP to the DHCP clients.
sapTlsDhcpStatsGenReleasePckts [Sap Tls Dhcp Stats Gen Release Pckts] (sapTlsDhcpStatsGenReleasePckts)	long	The value of the object sapTlsDhcpStatsGenReleasePckts indicates the number of DHCP RELEASE messages spoofed on this SAP to the DHCP server.
sapTlsDhcpStatsSrvrDropdPckts [Sap Tls Dhcp Stats Srvr Dropd Pckts] (sapTlsDhcpStatsSrvrDropdPckts)	long	The value of the object sapTlsDhcpStatsSrvrDropdPckts indicates the number of DHCP server packets that have been dropped on this SAP.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapTlsDhcpStatsSrvrForwdPckts [Sap Tls Dhcp Stats Srvr Forwd Pckts] (sapTlsDhcpStatsSrvrForwdPckts)	long	The value of the object sapTlsDhcpStatsSrvrForwdPckts indicates the number of DHCP server packets that have been forwarded on this SAP.
sapTlsDhcpStatsSrvrSnoopdPckts [Sap Tls Dhcp Stats Srvr Snoopd Pckts] (sapTlsDhcpStatsSrvrSnoopdPckts)	long	The value of the object sapTlsDhcpStatsSrvrSnoopdPckts indicates the number of DHCP server packets that have been snooped on this SAP.
<p>SdpBindingMldSnpgErrorStats MIB entry name: sdpBindMldSnpgStatsEntry Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SDP Bind in a Tls. Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.

Table 581 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numStarGTypes [Num Star GTypes] (tmnxPimSnpGGenStatsStarGTypes)	long	The value of tmnxPimSnpGGenStatsStarGTypes indicates the number of entries in tmnxPimSnpGGrpSrcTable for which the source type is 'starG'.
<p>SiteSourceGroupRecordPimSnoopingStats MIB entry name: tmnxPimSnpGGrpSrcStatsEntry Entry description: An entry in the tmnxPimSnpGGrpSrcStatsTable. Table description (for tmnxPimSnpGGrpSrcStatsTable): tmnxPimSnpGGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpGGrpSrcTable. These statistics are collected by the forwarding engine. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpGGrpSrcStatsFwdedOct [Tmnx Pim SnpG Grp Src Stats Fwded Oct] (tmnxPimSnpGGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpGGrpSrcStatsFwdedPkts [Tmnx Pim SnpG Grp Src Stats Fwded Pkts] (tmnxPimSnpGGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpGGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpGGrpSrcClfTable lists all the interfaces in the outgoing interface list.

Table 582 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges specifies the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents specifies the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 582 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents specifies the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
<p>InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance</p>		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 582 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

Table 582 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceV6AdditionalStats</p> <p>MIB entry name: tVrrpRtrStatisticsEntry</p> <p>Entry description: Each row entry in the tVrrpRtrStatisticsTable represents additional columns in the vrrpRouterStatisticsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tVrrpRtrStatisticsTable): The tVrrpRtrStatisticsTable provides an extension of the vrrpRouterStatisticsTable in the TIMETRA-VRRP-V3-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatisticsTable, and the augmenting table, tVrrpRtrStatisticsTable. This in effect extends the vrrpRouterStatisticsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.InstanceV6</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tVrrpStatAdvIntvlDiscards)	long	The value of tVrrpStatAdvIntvlDiscards indicates the total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tVrrpStatAdvertiseSent)	long	The value of tVrrpStatAdvertiseSent indicates the total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tVrrpStatMasterChanges)	long	The value for tVrrpStatMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tVrrpStatPreemptEvents)	long	The value for tVrrpStatPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tVrrpStatPreemptedEvents)	long	The value for tVrrpStatPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.

Table 582 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalDiscards [Total Discards] (tVrrpStatTotalDiscards)	long	The value of tVrrpStatTotalDiscards indicates the total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceV6Stats MIB entry name: vrrpRouterStatisticsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatisticsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.InstanceV6		
addressListErrors [Address List Errors] (vrrpStatisticsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatisticsAdvIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseRcvd [Advertise Rcvd] (vrrpStatisticsRcvdAdvertisements)	long	The total number of VRRP advertisements received by this virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 582 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeMaster [Become Master] (vrrpStatisticsMasterTransitions)	long	The total number of times that this virtual router's state has transitioned to MASTER. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
invalidAuthType [Invalid Auth Type] (vrrpStatisticsRcvdInvalidAuthentications)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatisticsRcvdInvalidTypePkts)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
ipTtlErrors [Ip Ttl Errors] (vrrpStatisticsIpTtlErrors)	long	The total number of VRRP packets received by the Virtual router with IPv4 TTL (for VRRP over IPv4) or IPv6 Hop Limit (for VRRP over IPv6) not equal to 255. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
packetLengthErrors [Packet Length Errors] (vrrpStatisticsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatisticsRcvdPriZeroPackets)	long	The total number of VRRP packets received by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 582 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatisticsSentPriZeroPackets)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 583 wpp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>WppPortalStats</p> <p>MIB entry name: tmnxWppPortalEntry</p> <p>Entry description: Each conceptual row represents information about a particular WPP portal. Entries in this table can be created or deleted via SNMP operations. In order to create a conceptual row in this table, a row in the tmnxWppTable with the same value of the object vRtrID must exist.</p> <p>Table description (for tmnxWppPortalTable): The tmnxWppPortalTable contains objects to configure the WPP portals of this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: wpp.Portal</p>		
portalName [Portal Name] (tmnxWppPortalName)	String	The value of tmnxWppPortalName specifies the name of this WPP portal.
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
wppPortalStatsInstance [Wpp Portal Stats Instance] (tmnxWppPortalStatsInstance)	long	The value of the object tmnxWppPortalStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppPortalStatsType it indicates unambiguously what the value of tmnxWppPortalStatsVal means. For example: if the value of the object tmnxWppPortalStatsType is equal to 'event', the value of tmnxWppPortalStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppPortalStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.

Table 583 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppPortalStatsName [Wpp Portal Stats Name] (tmnxWppPortalStatsName)	String	The value of the object tmnxWppPortalStatsType indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppPortalStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppPortalStatsType [Wpp Portal Stats Type] (tmnxWppPortalStatsType)	int	The value of the object tmnxWppPortalStatsType indicates the type of WPP statistics contained in this conceptual row.
wppPortalStatsVal [Wpp Portal Stats Val] (tmnxWppPortalStatsVal)	long	The value of the object tmnxWppPortalStatsType indicates the value of the statistics contained in this conceptual row.
<p>WppStats MIB entry name: vRtrConfEntry Entry description: Each row entry represents a virtual router in the system. Entries can be created and deleted via SNMP SET operations. Creation requires a SET request containing vRtrRowStatus, vRtrName and vRtrType. Note that rows in this table are usually created by the agent itself as a side affect of some other configuration; for example, when a service vprn is created by setting the appropriate objects in the TIMETRA-SERV-MIB. There will always be at least two row entries in this table, one of these entries represents the base or transport router and the other represents the management router. These entries are created when the system is initialized and can never be deleted. Table description (for vRtrConfTable): The vRtrConfTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored class: wpp.Site</p>		
routerId [Router Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.

Table 583 wpp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
wppStatsInstance [Wpp Stats Instance] (tmnxWppStatsInstance)	long	The value of the object tmnxWppStatsInstance indicates the instance identifier of the statistics contained in this conceptual row. Together with the value of tmnxWppStatsType it indicates unambiguously what the value of tmnxWppStatsVal means. For example: if the value of the object tmnxWppStatsType is equal to 'event', the value of tmnxWppStatsInstance indicates the identifier of the type of event that this conceptual row refers to, for example 'noResources', and the value of tmnxWppStatsVal indicates the number of times a 'no resources' event occurred for this WPP portal.
wppStatsName [Wpp Stats Name] (tmnxWppStatsName)	String	The value of the object tmnxWppStatsType indicates the human-readable identifier of the statistics contained in this conceptual row. In the same example, the value of tmnxWppStatsName is '(SCCRP) Start-Control-Connection-Reply'.
wppStatsType [Wpp Stats Type] (tmnxWppStatsType)	int	The value of the object tmnxWppStatsType indicates the type of WPP statistics contained in this conceptual row.
wppStatsVal [Wpp Stats Val] (tmnxWppStatsVal)	long	The value of the object tmnxWppStatsType indicates the value of the statistics contained in this conceptual row.

30 7850 VSA-8 performance statistics counters

30.1 Performance statistics counters

30.1.1 Counters

Table 584 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 584 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 584 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 585 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats MIB entry name: bgpPeerEntry Entry description: Entry containing information about the connection with a BGP peer. Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 585 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
l2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperl2VpnActivePfxs)	long	The value of tBgpPeerNgOperl2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
l2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperl2VpnRecvPfxs)	long	The value of tBgpPeerNgOperl2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.

Table 585 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.

Table 585 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.

Table 585 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.

Table 585 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.

Table 585 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 586 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.

Table 586 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnCflowdTemplateStatsEntry</p> <p>Entry description: The tmnCflowdTemplateStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnCflowdTemplateStatsTable): The tmnCflowdTemplateStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. The use of this table should be restricted in favor of tmnCFlowHostCollTemplStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnCflowdTemplateErrors)	long	The value of tmnCflowdTemplateErrors indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnCflowdTemplateFlowIndex)	int	The value of tmnCflowdTemplateFlowIndex specifies the row in the tmnCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnCflowdTemplateOpen)	long	The value of tmnCflowdTemplateOpen indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnCflowdTemplateSent)	long	The value of tmnCflowdTemplateSent indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnCflowdTemplateLastTxTime)	long	The value of tmnCflowdTemplateLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 586 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV5Stats</p> <p>MIB entry name: tmnCflowdV5StatsEntry</p> <p>Entry description: The tmnCflowdV5StatsEntry contains the statistics information pertaining to the specified remote collector host.</p> <p>Table description (for tmnCflowdV5StatsTable): The tmnCflowdV5StatsTable consists of the version 5 statistics for a particular remote collector host. The use of this table should be restricted in favor of tmnCFlowdCollV5StatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnCflowdV5Errors)	long	The value of tmnCflowdV5Errors indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnCflowdV5Open)	long	The value of tmnCflowdV5Open indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnCflowdV5Sent)	long	The value of tmnCflowdV5Sent indicates the number of packets transmitted for the specified remote collector host.
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnCflowdAggregationStatsEntry</p> <p>Entry description: The tmnCflowdAggregationStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnCflowdAggregationStatsTable): The tmnCflowdAggregationStatsTable consists of the overall statistics based on aggregation type. The use of this table should be restricted in favor of tmnCFlowdCollAggrStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		

Table 586 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggPacketErrors [Agg Packet Errors] (tmnxCflowdAggregationErrors)	long	The value of tmnxCflowdAggregationErrors indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCflowdAggregationOpen)	long	The value of tmnxCflowdAggregationOpen indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCflowdAggregationSent)	long	The value of tmnxCflowdAggregationSent indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCflowdAggregationIndex)	int	The value of tmnxCflowdAggregationIndex specifies the row in the tmnxCflowdAggregationStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCflowdAggregationStatus)	int	The value of tmnxCflowdAggregationStatus indicates whether or not the aggregation is in use in the remote collector host entry.
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCflowdTemplateStatsEntry</p> <p>Entry description: The tmnxCflowdTemplateStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCflowdTemplateStatsTable): The tmnxCflowdTemplateStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. The use of this table should be restricted in favor of tmnxCFHostCollTemplStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCflowdTemplateErrors)	long	The value of tmnxCflowdTemplateErrors indicates the number of errored packets for the specified Template type.

Table 586 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateFlowIndex [Template Flow Index] (tmnxCflowdTemplateFlowIndex)	int	The value of tmnxCflowdTemplateFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCflowdTemplateOpen)	long	The value of tmnxCflowdTemplateOpen indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCflowdTemplateSent)	long	The value of tmnxCflowdTemplateSent indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCflowdTemplateLastTxTime)	long	The value of tmnxCflowdTemplateLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 587 dctr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualPortStats</p> <p>MIB entry name: tmnxDCVirtualPortStatsEntry</p> <p>Entry description: Each row entry contains information about statistics of a Virtual Port (VP). Virtual Ports are dynamically created and deleted by the agent.</p> <p>Table description (for tmnxDCVirtualPortStatsTable): The tmnxDCVirtualPortStatsTable contains information pertaining to statistics for each virtual port in a Virtual Switch that this VSG is connected to.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • dctr.GatewayVirtualPort • dctr.VirtualPort 		
rxBytes [Rx Bytes] (tmnxDCvPRxBytes)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of bytes received on this virtual port.
rxErrorPackets [Rx Error Packets] (tmnxDCvPRxErrorPackets)	java. math. BigInteger	The value of tmnxDCvPRxErrorPackets indicates the total number of error packets received on this virtual port.
rxPackets [Rx Packets] (tmnxDCvPRxPackets)	java. math. BigInteger	The value of tmnxDCvPRxPackets indicates the total number of packets received on this virtual port.
rxPacketsDropped [Rx Packets Dropped] (tmnxDCvPRxPacketsDropped)	java. math. BigInteger	The value of tmnxDCvPRxPacketsDropped indicates the total number of dropped packets received on this virtual port.

Table 587 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBytes [Tx Bytes] (tmnxDCvPTxBytes)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of bytes transmitted by this virtual port.
txErrorPackets [Tx Error Packets] (tmnxDCvPTxErrorPackets)	java. math. BigInteger	The value of tmnxDCvPTxErrorPackets indicates the total number of error packets transmitted by this virtual port.
txPackets [Tx Packets] (tmnxDCvPTxPackets)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of packets transmitted by this virtual port.
txPacketsDropped [Tx Packets Dropped] (tmnxDCvPTxPacketsDropped)	java. math. BigInteger	The value of tmnxDCvPRxPacketsDropped indicates the total number of dropped packets transmitted by this virtual port.
<p>VirtualSwitchOFStats</p> <p>MIB entry name: tmnxDCVirtualSwitchOFStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Virtual Switch (VS). Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxDCVirtualSwitchOFStatsTable): The tmnxDCVirtualSwitchOFStatsTable contains information pertaining to open flow statistics for each virtual switch that this VSG is connected to. Row entries are dynamically created and deleted by the agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • dctr.NsgVirtualSwitch • dctr.VirtualSwitch • dctr.VrsGVirtualSwitch 		

Table 587 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
barrierReqRx [Barrier Req Rx] (tmnxDCvSbarrierReqRx)	java. math. BigInteger	The value of tmnxDCvSbarrierReqRx indicates the total number of barrier-req packets received.
barrierReqTx [Barrier Req Tx] (tmnxDCvSbarrierReqTx)	java. math. BigInteger	The value of tmnxDCvSbarrierReqTx indicates the total number of barrier-req packets transmitted.
barrierRespRx [Barrier Resp Rx] (tmnxDCvSbarrierRespRx)	java. math. BigInteger	The value of tmnxDCvSbarrierRespRx indicates the total number of barrier-req packets received.
barrierRespTx [Barrier Resp Tx] (tmnxDCvSbarrierRespTx)	java. math. BigInteger	The value of tmnxDCvSbarrierRespTx indicates the total number of barrier-req packets transmitted.
echoRequestRx [Echo Request Rx] (tmnxDCvSechoRequestRx)	java. math. BigInteger	The value of tmnxDCvSechoRequestRx indicates the total number of echo-request packets received.
echoRequestTx [Echo Request Tx] (tmnxDCvSechoRequestTx)	java. math. BigInteger	The value of tmnxDCvSechoRequestTx indicates the total number of echo-request packets transmitted.
echoResponseRx [Echo Response Rx] (tmnxDCvSechoResponseRx)	java. math. BigInteger	The value of tmnxDCvSechoResponseRx indicates the total number of echo-response packets received.
echoResponseTx [Echo Response Tx] (tmnxDCvSechoResponseTx)	java. math. BigInteger	The value of tmnxDCvSechoResponseTx indicates the total number of echo-response packets transmitted.

Table 587 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
experimenterRx [Experimenter Rx] (tmnxDCvSexperimenterRx)	java. math. BigInteger	The value of tmnxDCvSexperimenterRx indicates the total number of experimenter packets received.
experimenterTx [Experimenter Tx] (tmnxDCvSexperimenterTx)	java. math. BigInteger	The value of tmnxDCvSechoRequestTx indicates the total number of experimenter packets transmitted.
featureRequestRx [Feature Request Rx] (tmnxDCvSfeatureRequestRx)	java. math. BigInteger	The value of tmnxDCvSfeatureRequestRx indicates the total number of feature-request packets received.
featureRequestTx [Feature Request Tx] (tmnxDCvSfeatureRequestTx)	java. math. BigInteger	The value of tmnxDCvSfeatureRequestTx indicates the total number of feature-request packets transmitted.
featureResponseRx [Feature Response Rx] (tmnxDCvSfeatureResponseRx)	java. math. BigInteger	The value of tmnxDCvSfeatureResponseRx indicates the total number of feature-response packets received.
featureResponseTx [Feature Response Tx] (tmnxDCvSfeatureResponseTx)	java. math. BigInteger	The value of tmnxDCvSfeatureResponseTx indicates the total number of feature-response packets transmitted.
flowModRx [Flow Mod Rx] (tmnxDCvflowModRx)	java. math. BigInteger	The value of tmnxDCvflowModRx indicates the total number of flow-mod packets received.
flowModTx [Flow Mod Tx] (tmnxDCvSflowModTx)	java. math. BigInteger	The value of tmnxDCvSflowModTx indicates the total number of flow-mod packets transmitted.

Table 587 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloRx [Hello Rx] (tmnxDCvShelloRx)	java. math. BigInteger	The value of tmnxDCvShelloRx indicates the total number of hello packets received.
helloTx [Hello Tx] (tmnxDCvShelloTx)	java. math. BigInteger	The value of tmnxDCvShelloTx indicates the total number of hello packets transmitted.
statsReqRx [Stats Req Rx] (tmnxDCvSstatsReqRx)	java. math. BigInteger	The value of tmnxDCvSstatsReqRx indicates the total number of stats-req packets received.
statsReqTx [Stats Req Tx] (tmnxDCvSstatsReqTx)	java. math. BigInteger	The value of tmnxDCvSstatsReqTx indicates the total number of stats-req packets transmitted.
statsRespRx [Stats Resp Rx] (tmnxDCvSstatsRespRx)	java. math. BigInteger	The value of tmnxDCvSstatsRespRx indicates the total number of stats-req packets received.
statsRespTx [Stats Resp Tx] (tmnxDCvSstatsRespTx)	java. math. BigInteger	The value of tmnxDCvSstatsRespTx indicates the total number of stats-req packets transmitted.

Table 588 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPNwIngQGrpArbiterStats</p> <p>MIB entry name: tFPNetIngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter.</p> <p>Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGP Routes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISIS Routes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Alcatel-Lucent SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Alcatel-Lucent SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPolicyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Alcatel-Lucent SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats MIB entry name: tmnxBundleMemberImaEntry Entry description: Each row entry represents an IMA link associated with an IMA Group. Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group. Supports realtime plotting Supports scheduled collection Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 588 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 589 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>OtulfStats MIB entry name: tmnxOtulfRawStatsEntry Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable. Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUas [Fec Uas] (tmnxOtuIfRawStatsFECUAS)	long	The value of tmnxOtuIfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ofSmBip8 [Of Sm Bip 8] (tmnxOtulfRawStatsOFSMBIP8)	long	The value of tmnxOtulfRawStatsOFSMBIP8 indicates the number of times the tmnxOtulfRawStatsSMBIP8 overflowed.
pmBei [Pm Bei] (tmnxOtulfRawStatsPMBEI)	long	The value of tmnxOtulfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtulfRawStatsPMBIP8)	long	The value of tmnxOtulfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtulfRawStatsPMES)	long	The value of tmnxOtulfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtulfRawStatsPMSES)	long	The value of tmnxOtulfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtulfRawStatsPMUAS)	long	The value of tmnxOtulfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtulfRawStatsPPJ)	long	The value of tmnxOtulfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtulfRawStatsSMBEI)	long	The value of tmnxOtulfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smBip8 [Sm Bip 8] (tmnxOtulfRawStatsSMBIP8)	long	The value of tmnxOtulfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.
smEs [Sm Es] (tmnxOtulfRawStatsSMES)	long	The value of tmnxOtulfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtulfRawStatsSMSES)	long	The value of tmnxOtulfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtulfRawStatsSMUAS)	long	The value of tmnxOtulfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressExpShaperHLStats</p> <p>MIB entry name: tPortEgrExpShaperStatsHLEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsHLEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsHLTable): The tPortEgrExpShaperStatsHLTable contains the statistics of each egress expanded shaper at the port level configured on this system represented in higher 32 and lower 32 bit objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOctsH [Port Egr Exp Shaper Agg St Fwd Octs H] (tPortEgrExpShaperAggStFwdOctsH)	long	The value of tPortEgrExpShaperAggStFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdOctsL [Port Egr Exp Shaper Agg St Fwd Octs L] (tPortEgrExpShaperAggStFwdOctsL)	long	The value of tPortEgrExpShaperAggStFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdPktsH [Port Egr Exp Shaper Agg St Fwd Pkts H] (tPortEgrExpShaperAggStFwdPktsH)	long	The value of tPortEgrExpShaperAggStFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperAggStFwdPktsL [Port Egr Exp Shaper Agg St Fwd Pkts L] (tPortEgrExpShaperAggStFwdPktsL)	long	The value of tPortEgrExpShaperAggStFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperCls1StFwdOctsH [Port Egr Exp Shaper Cls 1 St Fwd Octs H] (tPortEgrExpShaperCls1StFwdOctsH)	long	The value of tPortEgrExpShaperCls1StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.
portEgrExpShaperCls1StFwdOctsL [Port Egr Exp Shaper Cls 1 St Fwd Octs L] (tPortEgrExpShaperCls1StFwdOctsL)	long	The value of tPortEgrExpShaperCls1StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdPktsH [Port Egr Exp Shaper Cls 1 St Fwd Pkts H] (tPortEgrExpShaperCls1StFwdPktsH)	long	The value of tPortEgrExpShaperCls1StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls1StFwdPktsL [Port Egr Exp Shaper Cls 1 St Fwd Pkts L] (tPortEgrExpShaperCls1StFwdPktsL)	long	The value of tPortEgrExpShaperCls1StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdOctsH [Port Egr Exp Shaper Cls 6 St Fwd Octs H] (tPortEgrExpShaperCls6StFwdOctsH)	long	The value of tPortEgrExpShaperCls6StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdOctsL [Port Egr Exp Shaper Cls 6 St Fwd Octs L] (tPortEgrExpShaperCls6StFwdOctsL)	long	The value of tPortEgrExpShaperCls6StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdPktsH [Port Egr Exp Shaper Cls 6 St Fwd Pkts H] (tPortEgrExpShaperCls6StFwdPktsH)	long	The value of tPortEgrExpShaperCls6StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls6StFwdPktsL [Port Egr Exp Shaper Cls 6 St Fwd Pkts L] (tPortEgrExpShaperCls6StFwdPktsL)	long	The value of tPortEgrExpShaperCls6StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls7StFwdOctsH [Port Egr Exp Shaper Cls 7 St Fwd Octs H] (tPortEgrExpShaperCls7StFwdOctsH)	long	The value of tPortEgrExpShaperCls7StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdOctsL [Port Egr Exp Shaper Cls 7 St Fwd Octs L] (tPortEgrExpShaperCls7StFwdOctsL)	long	The value of tPortEgrExpShaperCls7StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdPktsH [Port Egr Exp Shaper Cls 7 St Fwd Pkts H] (tPortEgrExpShaperCls7StFwdPktsH)	long	The value of tPortEgrExpShaperCls7StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls7StFwdPktsL [Port Egr Exp Shaper Cls 7 St Fwd Pkts L] (tPortEgrExpShaperCls7StFwdPktsL)	long	The value of tPortEgrExpShaperCls7StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls8StFwdOctsH [Port Egr Exp Shaper Cls 8 St Fwd Octs H] (tPortEgrExpShaperCls8StFwdOctsH)	long	The value of tPortEgrExpShaperCls8StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls8StFwdOctsL [Port Egr Exp Shaper Cls 8 St Fwd Octs L] (tPortEgrExpShaperCls8StFwdOctsL)	long	The value of tPortEgrExpShaperCls8StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.
portEgrExpShaperCls8StFwdPktsH [Port Egr Exp Shaper Cls 8 St Fwd Pkts H] (tPortEgrExpShaperCls8StFwdPktsH)	long	The value of tPortEgrExpShaperCls8StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
portEgrExpShaperCls8StFwdPktsL [Port Egr Exp Shaper Cls 8 St Fwd Pkts L] (tPortEgrExpShaperCls8StFwdPktsL)	long	The value of tPortEgrExpShaperCls8StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
<p>PortEgressExpShaperStats</p> <p>MIB entry name: tPortEgrExpShaperStatsEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsTable): The tPortEgrExpShaperStatsTable contains the statistics of each egress expanded shaper at the port level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrExpShaperStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOcts [Port Egr Exp Shaper Agg St Fwd Octs] (tPortEgrExpShaperAggStFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdOcts indicates the aggregate number of octets forwarded by all of the classes of this egress expanded shaper.
portEgrExpShaperAggStFwdPkts [Port Egr Exp Shaper Agg St Fwd Pkts] (tPortEgrExpShaperAggStFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdPkts indicates the aggregate number of packets forwarded by all of the classes of this egress expanded shaper.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdOcts [Port Egr Exp Shaper Cls 1 St Fwd Octs] (tPortEgrExpShaperCls1StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdOcts indicates the number of octets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StFwdPkts [Port Egr Exp Shaper Cls 1 St Fwd Pkts] (tPortEgrExpShaperCls1StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdPkts indicates the number of packets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StMonOvrOct [Port Egr Exp Shaper Cls 1 St Mon Ovr Oct] (tPortEgrExpShaperCls1StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '1' egress expanded shaper.
portEgrExpShaperCls2StFwdOcts [Port Egr Exp Shaper Cls 2 St Fwd Octs] (tPortEgrExpShaperCls2StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdOcts indicates the number of octets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StFwdPkts [Port Egr Exp Shaper Cls 2 St Fwd Pkts] (tPortEgrExpShaperCls2StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdPkts indicates the number of packets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StMonOvrOct [Port Egr Exp Shaper Cls 2 St Mon Ovr Oct] (tPortEgrExpShaperCls2StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '2' egress expanded shaper.
portEgrExpShaperCls3StFwdOcts [Port Egr Exp Shaper Cls 3 St Fwd Octs] (tPortEgrExpShaperCls3StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdOcts indicates the number of octets forwarded by the class '3' egress expanded shaper.
portEgrExpShaperCls3StFwdPkts [Port Egr Exp Shaper Cls 3 St Fwd Pkts] (tPortEgrExpShaperCls3StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdPkts indicates the number of packets forwarded by the class '3' egress expanded shaper.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StMonOvrOct [Port Egr Exp Shaper Cls 3 St Mon Ovr Oct] (tPortEgrExpShaperCls3StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '3' egress expanded shaper.
portEgrExpShaperCls4StFwdOcts [Port Egr Exp Shaper Cls 4 St Fwd Octs] (tPortEgrExpShaperCls4StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdOcts indicates the number of octets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StFwdPkts [Port Egr Exp Shaper Cls 4 St Fwd Pkts] (tPortEgrExpShaperCls4StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdPkts indicates the number of packets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StMonOvrOct [Port Egr Exp Shaper Cls 4 St Mon Ovr Oct] (tPortEgrExpShaperCls4StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '4' egress expanded shaper.
portEgrExpShaperCls5StFwdOcts [Port Egr Exp Shaper Cls 5 St Fwd Octs] (tPortEgrExpShaperCls5StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdOcts indicates the number of octets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StFwdPkts [Port Egr Exp Shaper Cls 5 St Fwd Pkts] (tPortEgrExpShaperCls5StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdPkts indicates the number of packets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StMonOvrOct [Port Egr Exp Shaper Cls 5 St Mon Ovr Oct] (tPortEgrExpShaperCls5StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '5' egress expanded shaper.
portEgrExpShaperCls6StFwdOcts [Port Egr Exp Shaper Cls 6 St Fwd Octs] (tPortEgrExpShaperCls6StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdOcts indicates the number of octets forwarded by the class '6' egress expanded shaper.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdPkts [Port Egr Exp Shaper Cls 6 St Fwd Pkts] (tPortEgrExpShaperCls6StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdPkts indicates the number of packets forwarded by the class '6' egress expanded shaper.
portEgrExpShaperCls6StMonOvrOct [Port Egr Exp Shaper Cls 6 St Mon Ovr Oct] (tPortEgrExpShaperCls6StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '6' egress expanded shaper.
portEgrExpShaperCls7StFwdOcts [Port Egr Exp Shaper Cls 7 St Fwd Octs] (tPortEgrExpShaperCls7StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdOcts indicates the number of octets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StFwdPkts [Port Egr Exp Shaper Cls 7 St Fwd Pkts] (tPortEgrExpShaperCls7StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdPkts indicates the number of packets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StMonOvrOct [Port Egr Exp Shaper Cls 7 St Mon Ovr Oct] (tPortEgrExpShaperCls7StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '7' egress expanded shaper.
portEgrExpShaperCls8StFwdOcts [Port Egr Exp Shaper Cls 8 St Fwd Octs] (tPortEgrExpShaperCls8StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdOcts indicates the number of octets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StFwdPkts [Port Egr Exp Shaper Cls 8 St Fwd Pkts] (tPortEgrExpShaperCls8StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdPkts indicates the number of packets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StMonOvrOct [Port Egr Exp Shaper Cls 8 St Mon Ovr Oct] (tPortEgrExpShaperCls8StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '8' egress expanded shaper.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of forwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of forwarded packets by the egress queue group arbiter Pchip.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 589 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 590 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 590 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.

Table 591 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: vRtrIsisStatsEntry</p> <p>Entry description: Each row entry in the vRtrIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for vRtrIsisStatsTable): The vRtrIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables vRtrIsisTable and vRtrIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (vRtrIsisCSNPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIsisCSNPDrop.
csnpReceived [Csnp Received] (vRtrIsisCSNPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIsisCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (vRtrIsisCSNPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIsisCSNPRetrans.
csnpSent [Csnp Sent] (vRtrIsisCSNPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisCSNPSent.
helloDropped [Hello Dropped] (vRtrIsisIIHDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIsisIIHDrop.
helloReceived [Hello Received] (vRtrIsisIIHRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIsisIIHRecd.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloRetransmitted [Hello Retransmitted] (vRtrIisisIIHRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisIIHRetrans.
helloSent [Hello Sent] (vRtrIisisIIHSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisisIIHSent.
lspDropped [Lsp Dropped] (vRtrIisisLSPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisisLSPDrop.
lspReceived [Lsp Received] (vRtrIisisLSPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisisLSPRecd.
lspRetransmitted [Lsp Retransmitted] (vRtrIisisLSPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisLSPRetrans.
lspSent [Lsp Sent] (vRtrIisisLSPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisisLSPSent.
psnpDropped [Psnp Dropped] (vRtrIisisPSNPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisisPSNPDrop.
psnpReceived [Psnp Received] (vRtrIisisPSNPREcd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisisPSNPREcd.
psnpRetransmitted [Psnp Retransmitted] (vRtrIisisPSNPREtrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisPSNPREtrans.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpSent [Psnp Sent] (vRtrIsisPSNPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisPSNPSent.
unknownDropped [Unknown Dropped] (vRtrIsisUnknownDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIsisUnknownDrop.
unknownReceived [Unknown Received] (vRtrIsisUnknownRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIsisUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (vRtrIsisUnknownRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIsisUnknownRetrans.
unknownSent [Unknown Sent] (vRtrIsisUnknownSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisUnknownSent.
SiteLfaStats MIB entry name: vRtrIsisLfaEntry Entry description: Each row entry in the vRtrIsisLfaTable represents information on LFA coverage for various topologies of the system. Table description (for vRtrIsisLfaTable): The vRtrIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol. Supports realtime plotting Supports scheduled collection Monitored class: isis.Site		
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (vRtrIsisLfalpv4Coverage)	long	The value of vRtrIsisLfalpv4Coverage indicates how much LFA coverage is being obtained for the available Ipv4 routes.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (vRtrIsisLfalpv4NodesCovered)	long	The value of vRtrIsisLfalpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available Ipv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (vRtrIsisLfalpv4TotalNodes)	long	The value of vRtrIsisLfalpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available Ipv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (vRtrIsisLfalpv6Coverage)	long	The value of vRtrIsisLfalpv6Coverage indicates how much LFA coverage is being obtained for the available Ipv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (vRtrIsisLfalpv6NodesCovered)	long	The value of vRtrIsisLfalpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available Ipv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (vRtrIsisLfalpv6TotalNodes)	long	The value of vRtrIsisLfalpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available Ipv6 routes.
isisLfaNodeCoverage [Isis Lfa Node Coverage] (vRtrIsisLfaNodeCoverage)	long	The value of vRtrIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (vRtrIsisLfaNodesCovered)	long	The value of vRtrIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (vRtrIsisLfaTotalNodes)	long	The value of vRtrIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrIsisStatsEntry</p> <p>Entry description: Each row entry in the vRtrIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for vRtrIsisStatsTable): The vRtrIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables vRtrIsisTable and vRtrIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (vRtrIsisCSPFDroppedRequests)	long	vRtrIsisCSPFDroppedRequests maintains the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (vRtrIsisCSPFPathsFound)	long	vRtrIsisCSPFPathsFound maintains the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (vRtrIsisCSPFPathsNotFound)	long	vRtrIsisCSPFPathsFound maintains the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (vRtrIsisCSPFRequests)	long	vRtrIsisCSPFRequests maintains the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (vRtrIsisInitiatedPurges)	long	The value of vRtrIsisInitiatedPurges counts the number of times purges have been initiated.
lfaRuns [Lfa Runs] (vRtrIsisLfaRuns)	long	The value of vRtrIsisLfaRuns indicates the number of times loopfree-alternate calculations have been made.

Table 591 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IspRegenerations [Lsp Regenerations] (vRtrIsisLSPRegenerations)	long	The value of vRtrIsisLSPRegenerations maintains the count of LSP regenerations.
spfRuns [Spf Runs] (vRtrIsisSpfRuns)	long	The value of vRtrIsisSpfRuns indicates the number of times shortest path first calculations have been made.

Table 592 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 593 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.

Table 593 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object specifies the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this PIP uplink.

Table 593 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this PIP uplink.

Table 593 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib</p>		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.

Table 594 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 594 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 594 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 594 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 594 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 595 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ldp.AccountingFecPrefix</p>		

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 595 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 595 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStatsExtension</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
p2mpFecReceived [P2 mp Fec Received] (vRtrLdpStatsP2MPFECRecv)	long	The value of vRtrLdpStatsP2MPFECRecv specifies the number of P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vRtrLdpStatsP2MPFECSent)	long	The value of vRtrLdpStatsP2MPFECSent specifies the number of P2MP FECs sent by the LDP instance to its neighbors.

Table 595 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 596 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 596 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 596 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 596 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 597 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrMldIfStatsEntry</p> <p>Entry description: An entry in the vRtrMldIfStatsTable.</p> <p>Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.

Table 597 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.

Table 597 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.

Table 597 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.

Table 598 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
<p>S2LPathStats</p> <p>MIB entry name: vRtrMplsS2lSubLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.S2LPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
SiteStats MIB entry name: vRtrMplsGeneralStatEntry Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Site		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 598 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 599 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisPeerRingStats</p> <p>MIB entry name: tmnxMcrPeerStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer.</p> <p>Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.

Table 599 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.

Table 599 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.

Table 599 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.

Table 599 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisRingNodeStats</p> <p>MIB entry name: tmnxMcrRingNodeStatsEntry</p> <p>Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisRingNode</p>		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rncvPacketsReceived [Rncv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.

Table 599 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rcvPacketsRoundTripTime [Rcv Packets Round Trip Time] (tmnxMcrRingNodeStatsRncvRtTime)	long	The value of tmnxMcrRingNodeStatsRncvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRncvRtTime is zero.
rcvPacketsTransmitted [Rcv Packets Transmitted] (tmnxMcrRingNodeStatsRncvTxReq)	long	The value of tmnxMcrRingNodeStatsRncvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.
<p>MultiChassisRingStats MIB entry name: tmnxMcrRingStatsEntry Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer. Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRing</p>		
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.

Table 599 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.

Table 600 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 600 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 600 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 601 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
<p>InterfaceStatusStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddr)	long	The value of tmnxOspfNglfBadDstAddr indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkGeneralStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
ShamLinkNeighborGeneralStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 601 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 602 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 602 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 602 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 602 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.ManagementPort • equipment.PhysicalPort</p>		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 602 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 602 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 603 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.

Table 603 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 604 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>DhcpRelayStats MIB entry name: vRtrIfDHCPRelayStatsEntry Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>IpInterfaceStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of total bytes received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of total packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>NetworkInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'bgp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.

Table 604 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.

Table 605 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 605 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 605 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.

Table 606 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L3AccessInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.L3AccessInterface</p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInteger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchipDroppedPackets)	java. math. BigInteger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOfferedUncoloredOctets)	java. math. BigInteger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
<p>SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGBaseStCustId)	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)	java. math. BigInte- ger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, gress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats</p> <p>MIB entry name: sapEgrEGMbrQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP.</p> <p>Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats MIB entry name: sapEgrEGMbrSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP. Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octets] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats MIB entry name: sapEgrEGSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP. Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octs H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octs L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosPlcyQueueStats</p> <p>MIB entry name: sapEgrQosPlcyQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapEgrQosPlcyQueueStatsTable): A table that contains egress QoS queue SAP statistics per Egress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyQueueStatsDroppedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfOctets indicates the number in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyQueueStatsDroppedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfPackets indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyQueueStatsDroppedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfOctets indicates the number out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyQueueStatsDroppedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfPackets indicates the number out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyQueueStatsForwardedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyQueueStatsForwardedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapEgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyQueuePlcyId)	long	The row index in the tSapEgressTable corresponding to this egress QoS policy.
queueId [Queue Id] (sapEgQosPlcyQueueId)	long	The value of sapEgQosPlcyQueueId indicates index of the egress QoS queue of this SAP.
<p>SapEgrQosPlcyStats MIB entry name: sapEgrQosPlcyStatsEntry Entry description: Statistics about a specific Egress Qos Policy applied on a specific SAP. Table description (for sapEgrQosPlcyStatsTable): A table that contains Egress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyDroppedInProfOctets)	java. math. BigInte- ger	The value of the object sapEgQosPlcyDroppedInProfOctets indicates the number of in-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyDroppedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfPackets indicates the number of in-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyDroppedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfOctets indicates the number of out-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyDroppedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfPackets indicates the number of out-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyId)	long	The value of the object sapEgQosPlcyId indicates the row index in the tSapEgressTable corresponding to this egress QoS policy, or one if no policy is specified.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats MIB entry name: sapEgrQosSchedStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyPortStats</p> <p>MIB entry name: sapEgrSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyPortStatsTable): The sapEgrSchedPlcyPortStatsTable contains egress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortIdEgrPortId)	long	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyStats</p> <p>MIB entry name: sapEgrSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of octets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of packets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPlcyQueueStats</p> <p>MIB entry name: sapIngQosPlcyQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapIngQosPlcyQueueStatsTable): A table that contains ingress QoS queue SAP statistics, per Ingress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosPlcyQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosPlcyQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosPlcyQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosPlcyQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedInProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedInProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIlgQosPlcyQueueStatsOf- ferredLoPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
policyId [Policy Id] (sapIlgQosPlcyQueuePlcyId)	long	The value of the object sapIlgQosPlcyQueuePlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy.
queueId [Queue Id] (sapIlgQosPlcyQueueId)	long	The index of the ingress QoS queue of this SAP used by the policy indicated by sapIlgQosPlcyQueuePlcyId.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncoloredOctetsOffered indicates the number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncoloredPacketsOffered indicates the number of uncolored packets offered to the ingress Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngrQosPlcyStats</p> <p>MIB entry name: sapIngrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Ingress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapIngrQosPlcyStatsTable): A table that contains Ingress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngrQosPlcyDroppedHiPrioOctets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngrQosPlcyDroppedHiPrioPackets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngrQosPlcyDroppedLoPrioOctets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngrQosPlcyDroppedLoPrioPackets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQoSPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQoSPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQoSPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQoSPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
policyId [Policy Id] (sapIlgQoSPlcyId)	long	The value of the object sapIlgQoSPlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy, or one if no policy is specified.
<p>SapIlgQoSQueueStats MIB entry name: sapIlgQoSQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIlgQoSQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLo- PrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLo- PrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.
<p>SapIngQosSchedStats MIB entry name: sapIngQosSchedStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosSchedName [Qos Sched Name] (sapIngQosSchedName)	String	The index of the ingress QoS scheduler of this SAP.
<p>SapIngSchedPlcyPortStats</p> <p>MIB entry name: sapIngSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyPortStatsTable): The sapIngSchedPlcyPortStatsTable contains ingress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortIdIngPortId)	long	The value of sapPortIdIngPortId is used as an index of the ingress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlyStats</p> <p>MIB entry name: sapIngSchedPlyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlyStatsTable): A table that contains ingress QoS queue statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlyStatsFwdOct)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlyStatsFwdPkt)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
<p>SapPortIdEgrEGSchedStats</p> <p>MIB entry name: sapPortIdEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.

Table 606 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOcts [Fwd Octets] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octets H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octets L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortIdEgrPortId)	long	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.

Table 607 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 607 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats</p> <p>MIB entry name: tCpmIPv6FilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created.</p> <p>Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 607 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats</p> <p>MIB entry name: tCpmMacFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFltrEntryId. Entries are created when tCpmMacFilterEntry rows are created.</p> <p>Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 607 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey</p>		

Table 607 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 607 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 608 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 608 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 609 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats MIB entry name: sdpBindIgmppStatsEntry Entry description: sdpBindIgmppStatsEntry is an entry in the sdpBindIgmppStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a Tls. Table description (for sdpBindIgmppStatsTable): sdpBindIgmppStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd Igm Psnpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd Igm Psnpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd Igm Psnpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd Igm Psnpg Rx Bad Igm P Chk Sm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd Igm Psnpg Rx Bad Ip Chk Sm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd Igm Psnpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd Igm Psnpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats MIB entry name: sdpBindingIgmPsnpgStatsEntry Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a TIs. Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.

Table 609 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

31 7850 VSG performance statistics counters

31.1 Performance statistics counters

31.1.1 Counters

Table 610 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 610 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 610 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 611 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 611 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
l2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperl2VpnActivePfxs)	long	The value of tBgpPeerNgOperl2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
l2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperl2VpnRecvPfxs)	long	The value of tBgpPeerNgOperl2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.

Table 611 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.

Table 611 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.

Table 611 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.

Table 611 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.

Table 611 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 612 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.

Table 612 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnxCflowdTemplateStatsEntry</p> <p>Entry description: The tmnxCflowdTemplateStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCflowdTemplateStatsTable): The tmnxCflowdTemplateStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. The use of this table should be restricted in favor of tmnxCFHostCollTemplStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCflowdTemplateErrors)	long	The value of tmnxCflowdTemplateErrors indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCflowdTemplateFlowIndex)	int	The value of tmnxCflowdTemplateFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCflowdTemplateOpen)	long	The value of tmnxCflowdTemplateOpen indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCflowdTemplateSent)	long	The value of tmnxCflowdTemplateSent indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCflowdTemplateLastTxTime)	long	The value of tmnxCflowdTemplateLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 612 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV5Stats</p> <p>MIB entry name: tmnCflowdV5StatsEntry</p> <p>Entry description: The tmnCflowdV5StatsEntry contains the statistics information pertaining to the specified remote collector host.</p> <p>Table description (for tmnCflowdV5StatsTable): The tmnCflowdV5StatsTable consists of the version 5 statistics for a particular remote collector host. The use of this table should be restricted in favor of tmnCFlowdCollV5StatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnCflowdV5Errors)	long	The value of tmnCflowdV5Errors indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnCflowdV5Open)	long	The value of tmnCflowdV5Open indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnCflowdV5Sent)	long	The value of tmnCflowdV5Sent indicates the number of packets transmitted for the specified remote collector host.
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnCflowdAggregationStatsEntry</p> <p>Entry description: The tmnCflowdAggregationStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnCflowdAggregationStatsTable): The tmnCflowdAggregationStatsTable consists of the overall statistics based on aggregation type. The use of this table should be restricted in favor of tmnCFlowdCollAggrStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		

Table 612 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggPacketErrors [Agg Packet Errors] (tmnxCflowdAggregationErrors)	long	The value of tmnxCflowdAggregationErrors indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCflowdAggregationOpen)	long	The value of tmnxCflowdAggregationOpen indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCflowdAggregationSent)	long	The value of tmnxCflowdAggregationSent indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCflowdAggregationIndex)	int	The value of tmnxCflowdAggregationIndex specifies the row in the tmnxCflowdAggregationStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCflowdAggregationStatus)	int	The value of tmnxCflowdAggregationStatus indicates whether or not the aggregation is in use in the remote collector host entry.
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCflowdTemplateStatsEntry</p> <p>Entry description: The tmnxCflowdTemplateStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCflowdTemplateStatsTable): The tmnxCflowdTemplateStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. The use of this table should be restricted in favor of tmnxCFHostCollTemplStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCflowdTemplateErrors)	long	The value of tmnxCflowdTemplateErrors indicates the number of errored packets for the specified Template type.

Table 612 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateFlowIndex [Template Flow Index] (tmnxCflowdTemplateFlowIndex)	int	The value of tmnxCflowdTemplateFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCflowdTemplateOpen)	long	The value of tmnxCflowdTemplateOpen indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCflowdTemplateSent)	long	The value of tmnxCflowdTemplateSent indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCflowdTemplateLastTxTime)	long	The value of tmnxCflowdTemplateLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 613 dctr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualPortStats</p> <p>MIB entry name: tmnxDCVirtualPortStatsEntry</p> <p>Entry description: Each row entry contains information about statistics of a Virtual Port (VP). Virtual Ports are dynamically created and deleted by the agent.</p> <p>Table description (for tmnxDCVirtualPortStatsTable): The tmnxDCVirtualPortStatsTable contains information pertaining to statistics for each virtual port in a Virtual Switch that this VSG is connected to.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • dctr.GatewayVirtualPort • dctr.VirtualPort 		
rxBytes [Rx Bytes] (tmnxDCvPRxBytes)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of bytes received on this virtual port.
rxErrorPackets [Rx Error Packets] (tmnxDCvPRxErrorPackets)	java. math. BigInteger	The value of tmnxDCvPRxErrorPackets indicates the total number of error packets received on this virtual port.
rxPackets [Rx Packets] (tmnxDCvPRxPackets)	java. math. BigInteger	The value of tmnxDCvPRxPackets indicates the total number of packets received on this virtual port.
rxPacketsDropped [Rx Packets Dropped] (tmnxDCvPRxPacketsDropped)	java. math. BigInteger	The value of tmnxDCvPRxPacketsDropped indicates the total number of dropped packets received on this virtual port.

Table 613 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBytes [Tx Bytes] (tmnxDCvPTxBytes)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of bytes transmitted by this virtual port.
txErrorPackets [Tx Error Packets] (tmnxDCvPTxErrorPackets)	java. math. BigInteger	The value of tmnxDCvPTxErrorPackets indicates the total number of error packets transmitted by this virtual port.
txPackets [Tx Packets] (tmnxDCvPTxPackets)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of packets transmitted by this virtual port.
txPacketsDropped [Tx Packets Dropped] (tmnxDCvPTxPacketsDropped)	java. math. BigInteger	The value of tmnxDCvPRxPacketsDropped indicates the total number of dropped packets transmitted by this virtual port.
<p>VirtualSwitchOFStats</p> <p>MIB entry name: tmnxDCVirtualSwitchOFStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Virtual Switch (VS). Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxDCVirtualSwitchOFStatsTable): The tmnxDCVirtualSwitchOFStatsTable contains information pertaining to open flow statistics for each virtual switch that this VSG is connected to. Row entries are dynamically created and deleted by the agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • dctr.NsgVirtualSwitch • dctr.VirtualSwitch • dctr.VrsGVirtualSwitch 		

Table 613 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
barrierReqRx [Barrier Req Rx] (tmnxDCvSbarrierReqRx)	java. math. BigInteger	The value of tmnxDCvSbarrierReqRx indicates the total number of barrier-req packets received.
barrierReqTx [Barrier Req Tx] (tmnxDCvSbarrierReqTx)	java. math. BigInteger	The value of tmnxDCvSbarrierReqTx indicates the total number of barrier-req packets transmitted.
barrierRespRx [Barrier Resp Rx] (tmnxDCvSbarrierRespRx)	java. math. BigInteger	The value of tmnxDCvSbarrierRespRx indicates the total number of barrier-req packets received.
barrierRespTx [Barrier Resp Tx] (tmnxDCvSbarrierRespTx)	java. math. BigInteger	The value of tmnxDCvSbarrierRespTx indicates the total number of barrier-req packets transmitted.
echoRequestRx [Echo Request Rx] (tmnxDCvSechoRequestRx)	java. math. BigInteger	The value of tmnxDCvSechoRequestRx indicates the total number of echo-request packets received.
echoRequestTx [Echo Request Tx] (tmnxDCvSechoRequestTx)	java. math. BigInteger	The value of tmnxDCvSechoRequestTx indicates the total number of echo-request packets transmitted.
echoResponseRx [Echo Response Rx] (tmnxDCvSechoResponseRx)	java. math. BigInteger	The value of tmnxDCvSechoResponseRx indicates the total number of echo-response packets received.
echoResponseTx [Echo Response Tx] (tmnxDCvSechoResponseTx)	java. math. BigInteger	The value of tmnxDCvSechoResponseTx indicates the total number of echo-response packets transmitted.

Table 613 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
experimenterRx [Experimenter Rx] (tmnxDCvSexperimenterRx)	java. math. BigInteger	The value of tmnxDCvSexperimenterRx indicates the total number of experimenter packets received.
experimenterTx [Experimenter Tx] (tmnxDCvSexperimenterTx)	java. math. BigInteger	The value of tmnxDCvSechoRequestTx indicates the total number of experimenter packets transmitted.
featureRequestRx [Feature Request Rx] (tmnxDCvSfeatureRequestRx)	java. math. BigInteger	The value of tmnxDCvSfeatureRequestRx indicates the total number of feature-request packets received.
featureRequestTx [Feature Request Tx] (tmnxDCvSfeatureRequestTx)	java. math. BigInteger	The value of tmnxDCvSfeatureRequestTx indicates the total number of feature-request packets transmitted.
featureResponseRx [Feature Response Rx] (tmnxDCvSfeatureResponseRx)	java. math. BigInteger	The value of tmnxDCvSfeatureResponseRx indicates the total number of feature-response packets received.
featureResponseTx [Feature Response Tx] (tmnxDCvSfeatureResponseTx)	java. math. BigInteger	The value of tmnxDCvSfeatureResponseTx indicates the total number of feature-response packets transmitted.
flowModRx [Flow Mod Rx] (tmnxDCvflowModRx)	java. math. BigInteger	The value of tmnxDCvflowModRx indicates the total number of flow-mod packets received.
flowModTx [Flow Mod Tx] (tmnxDCvSflowModTx)	java. math. BigInteger	The value of tmnxDCvSflowModTx indicates the total number of flow-mod packets transmitted.

Table 613 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloRx [Hello Rx] (tmnxDCvShelloRx)	java. math. BigInteger	The value of tmnxDCvShelloRx indicates the total number of hello packets received.
helloTx [Hello Tx] (tmnxDCvShelloTx)	java. math. BigInteger	The value of tmnxDCvShelloTx indicates the total number of hello packets transmitted.
statsReqRx [Stats Req Rx] (tmnxDCvSstatsReqRx)	java. math. BigInteger	The value of tmnxDCvSstatsReqRx indicates the total number of stats-req packets received.
statsReqTx [Stats Req Tx] (tmnxDCvSstatsReqTx)	java. math. BigInteger	The value of tmnxDCvSstatsReqTx indicates the total number of stats-req packets transmitted.
statsRespRx [Stats Resp Rx] (tmnxDCvSstatsRespRx)	java. math. BigInteger	The value of tmnxDCvSstatsRespRx indicates the total number of stats-req packets received.
statsRespTx [Stats Resp Tx] (tmnxDCvSstatsRespTx)	java. math. BigInteger	The value of tmnxDCvSstatsRespTx indicates the total number of stats-req packets transmitted.

Table 614 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPNwIngQGrpArbiterStats</p> <p>MIB entry name: tFPNetIngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter.</p> <p>Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGP Routes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISIS Routes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Alcatel-Lucent SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped: 32 25 24 17 16 9 8 1 +-----+-----+-----+-----+ TmnxHwClass 00000000 Slot number +-----+-----+-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Alcatel-Lucent SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
IpSecMDAStats MIB entry name: tmnxIPsecMdaDpStatsEntry Entry description: Information about a single IPsec Mda Data Path Statistics entry. Table description (for tmnxIPsecMdaDpStatsTable): Table to retrieve the IPsec Mda Data Path Statistics entries. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
decryptBytes [Decrypt Bytes] (tmnxIPsecMdaDpStatsDecryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptBytes indicates the number of bytes encrypted by the IPsec data path.
decryptPackets [Decrypt Packets] (tmnxIPsecMdaDpStatsDecryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsDecryptPkts indicates the number of packets encrypted by the IPsec data path.
dynamicIPsecTunnels [Dynamic IPsec Tunnels] (tmnxIPsecMdaDpDynIPsecTnls)	long	The value of tmnxIPsecMdaDpDynIPsecTnls indicates number of dynamic IPsec tunnels in use on the MDA.
encryptBytes [Encrypt Bytes] (tmnxIPsecMdaDpStatsEncryptBytes)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptBytes indicates the number of bytes encrypted by the IPsec data path.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encryptPackets [Encrypt Packets] (tmnxIPsecMdaDpStatsEncryptPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsEncryptPkts indicates the number of packets encrypted by the IPsec data path.
inboundIPDropPackets [Inbound IPDrop Packets] (tmnxIPsecMdaDpStatsInBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBDropPkts indicates the number of packets dropped before and during inbound (decryption) processing by the IPsec data path.
inboundIPDstSrcMismatches [Inbound IPDst Src Mismatches] (tmnxIPsecMdaDpStatsInBIP-DstSrcMismatches)	long	The value of tmnxIPsecMdaDpStatsInBIPDstSrcMismatches indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to the received packet's outer IP destination or source address does not match the Tunnel's local or peer gateway address.
inboundSaMisses [Inbound Sa Misses] (tmnxIPsecMdaDpStatsInBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsInBSAMisses indicates the number of packets dropped before inbound (decryption) processing by the IPsec data path due to no SA (security association) present.
outboundIPDropPackets [Outbound IPDrop Packets] (tmnxIPsecMdaDpStatsOutBDropPkts)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBDropPkts indicates the number of packets dropped before and during outbound (encryption) processing by the IPsec data path.
outboundPolicyEntryMisses [Outbound Policy Entry Misses] (tmnxIPsecMdaDpStatsOutBPoli- cyEntryMisses)	long	The value of tmnxIPsecMdaDpStatsOutBPolicyEntryMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no matching Policy Entry.
outboundSaMisses [Outbound Sa Misses] (tmnxIPsecMdaDpStatsOutBSAMisses)	java. math. BigInteger	The value of tmnxIPsecMdaDpStatsOutBSAMisses indicates the number of packets dropped before outbound (encryption) processing by the IPsec data path due to no SA (security association) present.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticIPsecTunnels [Static IPsec Tunnels] (tmnxIPsecMdaDpStaticIPsecTnls)	long	The value of tmnxIPsecMdaDpStaticIPsecTnls indicates number of configured static IPsec tunnels on the MDA.
transmitPacketErrors [Transmit Packet Errors] (tmnxIPsecMdaDpStatsTxPktErrs)	long	The value of tmnxIPsecMdaDpStatsTxPktErrs indicates the number of packets transmit failures by the IPsec data path.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependent-DropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Alcatel-Lucent SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 614 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 615 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 615 ethernet equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernet. If the network is a full-duplex ethernet and the mediaIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting mediaIndependentInPkts for etherStatsHighCapacityPkts, and mediaIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting mediaIndependentOutPkts for etherStatsHighCapacityPkts, and mediaIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>OtulfStats MIB entry name: tmnxOtulfRawStatsEntry Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable. Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUas [Fec Uas] (tmnxOtuIfRawStatsFECUAS)	long	The value of tmnxOtuIfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ofSmBip8 [Of Sm Bip 8] (tmnxOtulfRawStatsOFSMBIP8)	long	The value of tmnxOtulfRawStatsOFSMBIP8 indicates the number of times the tmnxOtulfRawStatsSMBIP8 overflowed.
pmBei [Pm Bei] (tmnxOtulfRawStatsPMBEI)	long	The value of tmnxOtulfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtulfRawStatsPMBIP8)	long	The value of tmnxOtulfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtulfRawStatsPMES)	long	The value of tmnxOtulfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtulfRawStatsPMSES)	long	The value of tmnxOtulfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtulfRawStatsPMUAS)	long	The value of tmnxOtulfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtulfRawStatsPPJ)	long	The value of tmnxOtulfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtulfRawStatsSMBEI)	long	The value of tmnxOtulfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smBip8 [Sm Bip 8] (tmnxOtulfRawStatsSMBIP8)	long	The value of tmnxOtulfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.
smEs [Sm Es] (tmnxOtulfRawStatsSMES)	long	The value of tmnxOtulfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtulfRawStatsSMSES)	long	The value of tmnxOtulfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtulfRawStatsSMUAS)	long	The value of tmnxOtulfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressExpShaperHLStats</p> <p>MIB entry name: tPortEgrExpShaperStatsHLEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsHLEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsHLTable): The tPortEgrExpShaperStatsHLTable contains the statistics of each egress expanded shaper at the port level configured on this system represented in higher 32 and lower 32 bit objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOctsH [Port Egr Exp Shaper Agg St Fwd Octs H] (tPortEgrExpShaperAggStFwdOctsH)	long	The value of tPortEgrExpShaperAggStFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdOctsL [Port Egr Exp Shaper Agg St Fwd Octs L] (tPortEgrExpShaperAggStFwdOctsL)	long	The value of tPortEgrExpShaperAggStFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdPktsH [Port Egr Exp Shaper Agg St Fwd Pkts H] (tPortEgrExpShaperAggStFwdPktsH)	long	The value of tPortEgrExpShaperAggStFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperAggStFwdPktsL [Port Egr Exp Shaper Agg St Fwd Pkts L] (tPortEgrExpShaperAggStFwdPktsL)	long	The value of tPortEgrExpShaperAggStFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperCls1StFwdOctsH [Port Egr Exp Shaper Cls 1 St Fwd Octs H] (tPortEgrExpShaperCls1StFwdOctsH)	long	The value of tPortEgrExpShaperCls1StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.
portEgrExpShaperCls1StFwdOctsL [Port Egr Exp Shaper Cls 1 St Fwd Octs L] (tPortEgrExpShaperCls1StFwdOctsL)	long	The value of tPortEgrExpShaperCls1StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdPktsH [Port Egr Exp Shaper Cls 1 St Fwd Pkts H] (tPortEgrExpShaperCls1StFwdPktsH)	long	The value of tPortEgrExpShaperCls1StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls1StFwdPktsL [Port Egr Exp Shaper Cls 1 St Fwd Pkts L] (tPortEgrExpShaperCls1StFwdPktsL)	long	The value of tPortEgrExpShaperCls1StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdOctsH [Port Egr Exp Shaper Cls 6 St Fwd Octs H] (tPortEgrExpShaperCls6StFwdOctsH)	long	The value of tPortEgrExpShaperCls6StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdOctsL [Port Egr Exp Shaper Cls 6 St Fwd Octs L] (tPortEgrExpShaperCls6StFwdOctsL)	long	The value of tPortEgrExpShaperCls6StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdPktsH [Port Egr Exp Shaper Cls 6 St Fwd Pkts H] (tPortEgrExpShaperCls6StFwdPktsH)	long	The value of tPortEgrExpShaperCls6StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls6StFwdPktsL [Port Egr Exp Shaper Cls 6 St Fwd Pkts L] (tPortEgrExpShaperCls6StFwdPktsL)	long	The value of tPortEgrExpShaperCls6StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls7StFwdOctsH [Port Egr Exp Shaper Cls 7 St Fwd Octs H] (tPortEgrExpShaperCls7StFwdOctsH)	long	The value of tPortEgrExpShaperCls7StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdOctsL [Port Egr Exp Shaper Cls 7 St Fwd Octs L] (tPortEgrExpShaperCls7StFwdOctsL)	long	The value of tPortEgrExpShaperCls7StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdPktsH [Port Egr Exp Shaper Cls 7 St Fwd Pkts H] (tPortEgrExpShaperCls7StFwdPktsH)	long	The value of tPortEgrExpShaperCls7StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls7StFwdPktsL [Port Egr Exp Shaper Cls 7 St Fwd Pkts L] (tPortEgrExpShaperCls7StFwdPktsL)	long	The value of tPortEgrExpShaperCls7StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls8StFwdOctsH [Port Egr Exp Shaper Cls 8 St Fwd Octs H] (tPortEgrExpShaperCls8StFwdOctsH)	long	The value of tPortEgrExpShaperCls8StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls8StFwdOctsL [Port Egr Exp Shaper Cls 8 St Fwd Octs L] (tPortEgrExpShaperCls8StFwdOctsL)	long	The value of tPortEgrExpShaperCls8StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.
portEgrExpShaperCls8StFwdPktsH [Port Egr Exp Shaper Cls 8 St Fwd Pkts H] (tPortEgrExpShaperCls8StFwdPktsH)	long	The value of tPortEgrExpShaperCls8StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
portEgrExpShaperCls8StFwdPktsL [Port Egr Exp Shaper Cls 8 St Fwd Pkts L] (tPortEgrExpShaperCls8StFwdPktsL)	long	The value of tPortEgrExpShaperCls8StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
<p>PortEgressExpShaperStats</p> <p>MIB entry name: tPortEgrExpShaperStatsEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsTable): The tPortEgrExpShaperStatsTable contains the statistics of each egress expanded shaper at the port level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrExpShaperStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOcts [Port Egr Exp Shaper Agg St Fwd Octs] (tPortEgrExpShaperAggStFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdOcts indicates the aggregate number of octets forwarded by all of the classes of this egress expanded shaper.
portEgrExpShaperAggStFwdPkts [Port Egr Exp Shaper Agg St Fwd Pkts] (tPortEgrExpShaperAggStFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdPkts indicates the aggregate number of packets forwarded by all of the classes of this egress expanded shaper.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdOcts [Port Egr Exp Shaper Cls 1 St Fwd Octs] (tPortEgrExpShaperCls1StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdOcts indicates the number of octets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StFwdPkts [Port Egr Exp Shaper Cls 1 St Fwd Pkts] (tPortEgrExpShaperCls1StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdPkts indicates the number of packets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StMonOvrOct [Port Egr Exp Shaper Cls 1 St Mon Ovr Oct] (tPortEgrExpShaperCls1StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '1' egress expanded shaper.
portEgrExpShaperCls2StFwdOcts [Port Egr Exp Shaper Cls 2 St Fwd Octs] (tPortEgrExpShaperCls2StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdOcts indicates the number of octets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StFwdPkts [Port Egr Exp Shaper Cls 2 St Fwd Pkts] (tPortEgrExpShaperCls2StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdPkts indicates the number of packets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StMonOvrOct [Port Egr Exp Shaper Cls 2 St Mon Ovr Oct] (tPortEgrExpShaperCls2StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '2' egress expanded shaper.
portEgrExpShaperCls3StFwdOcts [Port Egr Exp Shaper Cls 3 St Fwd Octs] (tPortEgrExpShaperCls3StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdOcts indicates the number of octets forwarded by the class '3' egress expanded shaper.
portEgrExpShaperCls3StFwdPkts [Port Egr Exp Shaper Cls 3 St Fwd Pkts] (tPortEgrExpShaperCls3StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdPkts indicates the number of packets forwarded by the class '3' egress expanded shaper.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StMonOvrOct [Port Egr Exp Shaper Cls 3 St Mon Ovr Oct] (tPortEgrExpShaperCls3StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '3' egress expanded shaper.
portEgrExpShaperCls4StFwdOcts [Port Egr Exp Shaper Cls 4 St Fwd Octs] (tPortEgrExpShaperCls4StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdOcts indicates the number of octets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StFwdPkts [Port Egr Exp Shaper Cls 4 St Fwd Pkts] (tPortEgrExpShaperCls4StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdPkts indicates the number of packets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StMonOvrOct [Port Egr Exp Shaper Cls 4 St Mon Ovr Oct] (tPortEgrExpShaperCls4StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '4' egress expanded shaper.
portEgrExpShaperCls5StFwdOcts [Port Egr Exp Shaper Cls 5 St Fwd Octs] (tPortEgrExpShaperCls5StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdOcts indicates the number of octets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StFwdPkts [Port Egr Exp Shaper Cls 5 St Fwd Pkts] (tPortEgrExpShaperCls5StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdPkts indicates the number of packets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StMonOvrOct [Port Egr Exp Shaper Cls 5 St Mon Ovr Oct] (tPortEgrExpShaperCls5StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '5' egress expanded shaper.
portEgrExpShaperCls6StFwdOcts [Port Egr Exp Shaper Cls 6 St Fwd Octs] (tPortEgrExpShaperCls6StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdOcts indicates the number of octets forwarded by the class '6' egress expanded shaper.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdPkts [Port Egr Exp Shaper Cls 6 St Fwd Pkts] (tPortEgrExpShaperCls6StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdPkts indicates the number of packets forwarded by the class '6' egress expanded shaper.
portEgrExpShaperCls6StMonOvrOct [Port Egr Exp Shaper Cls 6 St Mon Ovr Oct] (tPortEgrExpShaperCls6StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '6' egress expanded shaper.
portEgrExpShaperCls7StFwdOcts [Port Egr Exp Shaper Cls 7 St Fwd Octs] (tPortEgrExpShaperCls7StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdOcts indicates the number of octets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StFwdPkts [Port Egr Exp Shaper Cls 7 St Fwd Pkts] (tPortEgrExpShaperCls7StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdPkts indicates the number of packets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StMonOvrOct [Port Egr Exp Shaper Cls 7 St Mon Ovr Oct] (tPortEgrExpShaperCls7StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '7' egress expanded shaper.
portEgrExpShaperCls8StFwdOcts [Port Egr Exp Shaper Cls 8 St Fwd Octs] (tPortEgrExpShaperCls8StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdOcts indicates the number of octets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StFwdPkts [Port Egr Exp Shaper Cls 8 St Fwd Pkts] (tPortEgrExpShaperCls8StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdPkts indicates the number of packets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StMonOvrOct [Port Egr Exp Shaper Cls 8 St Mon Ovr Oct] (tPortEgrExpShaperCls8StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '8' egress expanded shaper.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of forwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of forwarded packets by the egress queue group arbiter Pchip.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 615 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 616 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 616 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetOam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.

Table 617 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: vRtrIisStatsEntry</p> <p>Entry description: Each row entry in the vRtrIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for vRtrIisStatsTable): The vRtrIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables vRtrIisTable and vRtrIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (vRtrIisCSNPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisCSNPDrop.
csnpReceived [Csnp Received] (vRtrIisCSNPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (vRtrIisCSNPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisCSNPRetrans.
csnpSent [Csnp Sent] (vRtrIisCSNPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisCSNPSent.
helloDropped [Hello Dropped] (vRtrIisIIHDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisIIHDrop.
helloReceived [Hello Received] (vRtrIisIIHRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisIIHRecd.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloRetransmitted [Hello Retransmitted] (vRtrIisisIIHRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisIIHRetrans.
helloSent [Hello Sent] (vRtrIisisIIHSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisisIIHSent.
lspDropped [Lsp Dropped] (vRtrIisisLSPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisisLSPDrop.
lspReceived [Lsp Received] (vRtrIisisLSPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisisLSPRecd.
lspRetransmitted [Lsp Retransmitted] (vRtrIisisLSPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisLSPRetrans.
lspSent [Lsp Sent] (vRtrIisisLSPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisisLSPSent.
psnpDropped [Psnp Dropped] (vRtrIisisPSNPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisisPSNPDrop.
psnpReceived [Psnp Received] (vRtrIisisPSNPREcd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisisPSNPREcd.
psnpRetransmitted [Psnp Retransmitted] (vRtrIisisPSNPREtrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisPSNPREtrans.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpSent [Psnp Sent] (vRtrIsisPSNPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisPSNPSent.
unknownDropped [Unknown Dropped] (vRtrIsisUnknownDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIsisUnknownDrop.
unknownReceived [Unknown Received] (vRtrIsisUnknownRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIsisUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (vRtrIsisUnknownRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIsisUnknownRetrans.
unknownSent [Unknown Sent] (vRtrIsisUnknownSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisUnknownSent.
SiteLfaStats MIB entry name: vRtrIsisLfaEntry Entry description: Each row entry in the vRtrIsisLfaTable represents information on LFA coverage for various topologies of the system. Table description (for vRtrIsisLfaTable): The vRtrIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol. Supports realtime plotting Supports scheduled collection Monitored class: isis.Site		
isisLfaIpv4Coverage [Isis Lfa Ipv 4 Coverage] (vRtrIsisLfaIpv4Coverage)	long	The value of vRtrIsisLfaIpv4Coverage indicates how much LFA coverage is being obtained for the available Ipv4 routes.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (vRtrIsisLfalpv4NodesCovered)	long	The value of vRtrIsisLfalpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available Ipv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (vRtrIsisLfalpv4TotalNodes)	long	The value of vRtrIsisLfalpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available Ipv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (vRtrIsisLfalpv6Coverage)	long	The value of vRtrIsisLfalpv6Coverage indicates how much LFA coverage is being obtained for the available Ipv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (vRtrIsisLfalpv6NodesCovered)	long	The value of vRtrIsisLfalpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available Ipv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (vRtrIsisLfalpv6TotalNodes)	long	The value of vRtrIsisLfalpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available Ipv6 routes.
isisLfaNodeCoverage [Isis Lfa Node Coverage] (vRtrIsisLfaNodeCoverage)	long	The value of vRtrIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (vRtrIsisLfaNodesCovered)	long	The value of vRtrIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (vRtrIsisLfaTotalNodes)	long	The value of vRtrIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrIsisStatsEntry</p> <p>Entry description: Each row entry in the vRtrIsisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for vRtrIsisStatsTable): The vRtrIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables vRtrIsisTable and vRtrIsisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (vRtrIsisCSPFDroppedRequests)	long	vRtrIsisCSPFDroppedRequests maintains the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (vRtrIsisCSPFPathsFound)	long	vRtrIsisCSPFPathsFound maintains the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (vRtrIsisCSPFPathsNotFound)	long	vRtrIsisCSPFPathsFound maintains the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (vRtrIsisCSPFRequests)	long	vRtrIsisCSPFRequests maintains the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (vRtrIsisInitiatedPurges)	long	The value of vRtrIsisInitiatedPurges counts the number of times purges have been initiated.
lfaRuns [Lfa Runs] (vRtrIsisLfaRuns)	long	The value of vRtrIsisLfaRuns indicates the number of times loopfree-alternate calculations have been made.

Table 617 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspRegenerations [Lsp Regenerations] (vRtrIsisLSPRegenerations)	long	The value of vRtrIsisLSPRegenerations maintains the count of LSP regenerations.
spfRuns [Spf Runs] (vRtrIsisSpfRuns)	long	The value of vRtrIsisSpfRuns indicates the number of times shortest path first calculations have been made.

Table 618 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 619 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.

Table 619 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object specifies the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this PIP uplink.

Table 619 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this PIP uplink.

Table 619 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib</p>		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.

Table 620 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 620 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 620 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlIdLagId)	long	The value of tmnxMcLagStatsDropTlvInvlIdLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 620 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 620 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 621 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ldp.AccountingFecPrefix</p>		

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats MIB entry name: vRtrLdpStatsEntry Entry description: A row in this table represents statistical information about an LDP instance. Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable. Supports realtime plotting Supports scheduled collection Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStatsExtension</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
p2mpFecReceived [P2 mp Fec Received] (vRtrLdpStatsP2MPFECRecv)	long	The value of vRtrLdpStatsP2MPFECRecv specifies the number of P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vRtrLdpStatsP2MPFECSent)	long	The value of vRtrLdpStatsP2MPFECSent specifies the number of P2MP FECs sent by the LDP instance to its neighbors.

Table 621 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 622 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 622 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 622 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired. This counter is similar to lldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
lldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
lldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
lldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 622 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 623 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrMldIfStatsEntry</p> <p>Entry description: An entry in the vRtrMldIfStatsTable.</p> <p>Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mld.Interface</p>		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.

Table 623 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.

Table 623 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.

Table 623 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.

Table 624 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2 l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
<p>S2LPathStats</p> <p>MIB entry name: vRtrMplsS2lSubLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.S2LPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 624 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 625 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McEPPeerStats</p> <p>MIB entry name: tmnxMcEPPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcEPPeerStatsTable): The tmnxMcEPPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisEndpoint</p>		
configPacketsReceived [Config Packets Received] (tmnxMcEPPeerStatsPktsRxConfig)	long	The value of tmnxMcEPPeerStatsPktsRxConfig indicates how many valid MC-Endpoint control packets of type end-point config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcEPPeerStatsDropMD5)	long	The value of tmnxMcEPPeerStatsDropMD5 indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcEPPeerStatsPktsTxFailed)	long	The value of tmnxMcEPPeerStatsPktsTxFailed indicates how many MC-Endpoint control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlId)	long	The value of tmnxMcEPPeerStatsDropTlvInvlId indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis end-point.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlSz)	long	The value of tmnxMcEPPeerStatsDropTlvInvlSz indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet size was invalid.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcEPPeerStatsPktsRxKpalive)	long	The value of tmnxMcEPPeerStatsPktsRxKpalive indicates how many valid MC-Endpoint control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcEPPeerStatsPktsTxKpalive)	long	The value of tmnxMcEPPeerStatsPktsTxKpalive indicates how many MC-Endpoint control packets of type keepalive were transmitted from this system to the peer.
noEpPeerPacketsDropped [No Ep Peer Packets Dropped] (tmnxMcEPPeerStatsDropEpNoPeer)	long	The value of tmnxMcEPPeerStatsDropEpNoPeer indicates how many pkts were dropped because MC-Endpoint does not have a MC-peer assigned yet or MC-Endpoint is attached to a different peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcEPPeerStatsDropOutOfSeq)	long	The value of tmnxMcEPPeerStatsDropOutOfSeq indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcEPPeerStatsPktsRx)	long	The value of tmnxMcEPPeerStatsPktsRx indicates how many valid MC-Endpoint control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcEPPeerStatsPktsTx)	long	The value of tmnxMcEPPeerStatsPktsTx indicates how many MC-Endpoint control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcEPPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsRxPeerCfg indicates how many valid MC-Endpoint control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcEPPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsTxPeerCfg indicates how many MC-Endpoint control packets of type peer config were transmitted from this system to the peer.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcEPPeerStatsDropStateDsbl)	long	The value of tmnxMcEPPeerStatsDropStateDsbl indicates how many MC-Endpoint control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcEPPeerStatsPktsRxState)	long	The value of tmnxMcEPPeerStatsPktsRxState indicates how many valid MC-Endpoint control packets of type end-point state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcEPPeerStatsDropPktTooShrt)	long	The value of tmnxMcEPPeerStatsDropPktTooShrt indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcEPPeerStatsDropUnknownTlv)	long	The value of tmnxMcEPPeerStatsDropUnknownTlv indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>MultiChassisPeerRingStats</p> <p>MIB entry name: tmnxMcrPeerStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer.</p> <p>Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.
<p>MultiChassisRingNodeStats MIB entry name: tmnxMcrRingNodeStatsEntry Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system. Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRingNode</p>		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rncvPacketsReceived [Rncv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.
rncvPacketsRoundTripTime [Rncv Packets Round Trip Time] (tmnxMcrRingNodeStatsRncvRtTime)	long	The value of tmnxMcrRingNodeStatsRncvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRncvRtTime is zero.
rncvPacketsTransmitted [Rncv Packets Transmitted] (tmnxMcrRingNodeStatsRncvTxReq)	long	The value of tmnxMcrRingNodeStatsRncvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.
<p>MultiChassisRingStats MIB entry name: tmnxMcrRingStatsEntry Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer. Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRing</p>		

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvldId)	long	The value of tmnxMcLagPeerStatsDropTlvInvldId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvldSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvldSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.

Table 625 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 626 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmplnBadCommunityNames [Snmp In Bad Community Names] (snmplnBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 626 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 626 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 627 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNglfBadNetworks)	long	The value of tmnxOspfNglfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNglfBadOptions)	long	The value of tmnxOspfNglfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNglfBadPacketTypes)	long	The value of tmnxOspfNglfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNglfBadVersions)	long	The value of tmnxOspfNglfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNglfBadVirtualLinks)	long	The value of tmnxOspfNglfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNglfDiscardPackets)	long	The value of tmnxOspfNglfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNglfRetransmitOuts)	long	The value of tmnxOspfNglfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualLinkStatusStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAddrs)	long	The value of tmnxOspfVirtIfBadDstAddrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualNeighborGeneralStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 627 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 628 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 628 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 628 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 628 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 628 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats MIB entry name: dot1xAuthStatsEntry Entry description: The statistics information for an Authenticator PAE. Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 628 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 629 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.

Table 629 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 630 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>DhcpRelayStats MIB entry name: vRtrIfDHCPRelayStatsEntry Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrpIfDhcpRelayCfg • rtr.SubIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>IpInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of total bytes received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of total packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>NetworkInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'bgp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPActiveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.

Table 630 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.

Table 631 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 631 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 631 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.

Table 632 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L3AccessInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.L3AccessInterface</p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInteger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchipDroppedPackets)	java. math. BigInteger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOfferedUncoloredOctets)	java. math. BigInteger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
<p>SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGBaseStCustId)	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
dPdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)	java. math. BigInte- ger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dPdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, gress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats</p> <p>MIB entry name: sapEgrEGMbrQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP.</p> <p>Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dPdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dPdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dPdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dPdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dPdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dPdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dPdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats</p> <p>MIB entry name: sapEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP.</p> <p>Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octets] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats MIB entry name: sapEgrEGSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP. Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosPlcyQueueStats</p> <p>MIB entry name: sapEgrQosPlcyQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapEgrQosPlcyQueueStatsTable): A table that contains egress QoS queue SAP statistics per Egress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyQueueStatsDroppedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfOctets indicates the number in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyQueueStatsDroppedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfPackets indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyQueueStatsDroppedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfOctets indicates the number out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyQueueStatsDroppedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfPackets indicates the number out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyQueueStatsForwardedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyQueueStatsForwardedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapEgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyQueuePlcyId)	long	The row index in the tSapEgressTable corresponding to this egress QoS policy.
queueId [Queue Id] (sapEgQosPlcyQueueId)	long	The value of sapEgQosPlcyQueueId indicates index of the egress QoS queue of this SAP.
<p>SapEgrQosPlcyStats</p> <p>MIB entry name: sapEgrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Egress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapEgrQosPlcyStatsTable): A table that contains Egress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyDroppedInProfOctets)	java. math. BigInte- ger	The value of the object sapEgQosPlcyDroppedInProfOctets indicates the number of in-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyDroppedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfPackets indicates the number of in-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyDroppedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfOctets indicates the number of out-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyDroppedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfPackets indicates the number of out-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyId)	long	The value of the object sapEgQosPlcyId indicates the row index in the tSapEgressTable corresponding to this egress QoS policy, or one if no policy is specified.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats MIB entry name: sapEgrQosSchedStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyPortStats</p> <p>MIB entry name: sapEgrSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyPortStatsTable): The sapEgrSchedPlcyPortStatsTable contains egress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortIdEgrPortId)	long	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyStats</p> <p>MIB entry name: sapEgrSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of octets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of packets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPlcyQueueStats</p> <p>MIB entry name: sapIngQosPlcyQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapIngQosPlcyQueueStatsTable): A table that contains ingress QoS queue SAP statistics, per Ingress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosPlcyQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosPlcyQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosPlcyQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosPlcyQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedInProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedInProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
policyId [Policy Id] (sapIlgQosPlcyQueuePlcyId)	long	The value of the object sapIlgQosPlcyQueuePlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy.
queueId [Queue Id] (sapIlgQosPlcyQueueId)	long	The index of the ingress QoS queue of this SAP used by the policy indicated by sapIlgQosPlcyQueuePlcyId.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered indicates the number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered indicates the number of uncolored packets offered to the ingress Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngrQosPlcyStats</p> <p>MIB entry name: sapIngrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Ingress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapIngrQosPlcyStatsTable): A table that contains Ingress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngrQosPlcyDroppedHiPrioOctets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngrQosPlcyDroppedHiPrioPackets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngrQosPlcyDroppedLoPrioOctets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngrQosPlcyDroppedLoPrioPackets)	java. math. BigInteger	The value of the object sapIngrQosPlcyDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
policyId [Policy Id] (sapIlgQosPlcyId)	long	The value of the object sapIlgQosPlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy, or one if no policy is specified.
<p>SapIlgQosQueueStats MIB entry name: sapIlgQosQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIlgQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLo- PrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLo- PrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.
<p>SapIngQosSchedStats MIB entry name: sapIngQosSchedStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosSchedName [Qos Sched Name] (sapIngQosSchedName)	String	The index of the ingress QoS scheduler of this SAP.
<p>SapIngSchedPlcyPortStats</p> <p>MIB entry name: sapIngSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyPortStatsTable): The sapIngSchedPlcyPortStatsTable contains ingress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortIdIngPortId)	long	The value of sapPortIdIngPortId is used as an index of the ingress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlyStats</p> <p>MIB entry name: sapIngSchedPlyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlyStatsTable): A table that contains ingress QoS queue statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlyStatsFwdOct)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlyStatsFwdPkt)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
<p>SapPortIdEgrEGSchedStats</p> <p>MIB entry name: sapPortIdEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.

Table 632 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOcts [Fwd Octs] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortIdEgrPortId)	long	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.

Table 633 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 633 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats</p> <p>MIB entry name: tCpmIPv6FilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created.</p> <p>Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 633 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats</p> <p>MIB entry name: tCpmMacFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFltrEntryId. Entries are created when tCpmMacFilterEntry rows are created.</p> <p>Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 633 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criter is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey</p>		

Table 633 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 633 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 634 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 634 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 635 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInte- ger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInte- ger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInte- ger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInte- ger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInte- ger	

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats MIB entry name: sdpBindIgmppStatsEntry Entry description: sdpBindIgmppStatsEntry is an entry in the sdpBindIgmppStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls. Table description (for sdpBindIgmppStatsTable): sdpBindIgmppStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd IgmP Snpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmPsnpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmPsnpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmPsnpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgSendQueryCfgDrops for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmPsnpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmPsnpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd Igm Psnpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd Igm Psnpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd Igm Psnpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd Igm Psnpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd Igm Psnpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd Igm Psnpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd Igm Psnpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd Igm Psnpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.

Table 635 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

32 7950 XRS performance statistics counters

32.1 Performance statistics counters

32.1.1 Counters

Table 636 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional parameters can be found in tIPFilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 636 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. Additional match criteria can be found in tIPv6FilterParamsExtTable. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 636 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. A filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 637 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PeerAdditionalStats MIB entry name: bgpPeerEntry Entry description: Entry containing information about the connection with a BGP peer. Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the established state or how long since this peer was last in the established state. It is set to zero when a new peer is configured or when the router is booted.
PeerRouteTargetStats MIB entry name: tBgpPeerNgOperEntry Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable. Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information. Supports realtime plotting Supports scheduled collection Monitored class: bgp.Peer		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtSuppPfxDamp indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
bgpLsActivePfxs [Bgp Ls Active Pfxs] (tBgpPeerNgOperBgpLsActivePfxs)	long	The value of tBgpPeerNgOperBgpLsActivePfxs indicates the number of active bgp-ls prefixes from this peer.
bgpLsRecvPfxs [Bgp Ls Recv Pfxs] (tBgpPeerNgOperBgpLsRecvPfxs)	long	The value of tBgpPeerNgOperBgpLsRecvPfxs indicates the number of bgp-ls prefixes received from this peer.
bgpLsRejPfxs [Bgp Ls Rej Pfxs] (tBgpPeerNgOperBgpLsRejPfxs)	long	The value of tBgpPeerNgOperBgpLsRejPfxs indicates the number of bgp-ls prefixes rejected from this peer.
bgpLsSentPfxs [Bgp Ls Sent Pfxs] (tBgpPeerNgOperBgpLsSentPfxs)	long	The value of tBgpPeerNgOperBgpLsSentPfxs indicates the number of bgp-ls prefixes transmitted to this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bgpLsSupPfxDamp [Bgp Ls Sup Pfx Damp] (tBgpPeerNgOperBgpLsSupPfxDamp)	long	The value of tBgpPeerNgOperBgpLsSupPfxDamp indicates the number of bgp-ls prefixes from this peer, which have been suppressed by damping
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
I2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperI2VpnActivePfxs)	long	The value of tBgpPeerNgOperI2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
I2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperI2VpnRecvPfxs)	long	The value of tBgpPeerNgOperI2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
labelV4ActivePfxs [Label V4 Active Pfxs] (tBgpPeerNgOperLabelV4ActivePfxs)	long	The value of tBgpPeerNgOperLabelV4ActivePfxs indicates the number of active label-ipv4 prefixes from this peer.
labelV4BackupPfxs [Label V4 Backup Pfxs] (tBgpPeerNgOperLabelV4BackupPfxs)	long	The value of tBgpPeerNgOperLabelV4BackupPfxs indicates the number of label-ipv4 routes selected as backup from this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelV4RecvPfxs [Label V4 Recv Pfxs] (tBgpPeerNgOperLabelV4RecvPfxs)	long	The value of tBgpPeerNgOperLabelV4RecvPfxs indicates the number of label-ipv4 prefixes received from this peer.
labelV4RejPfxs [Label V4 Rej Pfxs] (tBgpPeerNgOperLabelV4RejPfxs)	long	The value of tBgpPeerNgOperLabelV4RejPfxs indicates the number of label-ipv4 prefixes rejected from this peer.
labelV4SentPfxs [Label V4 Sent Pfxs] (tBgpPeerNgOperLabelV4SentPfxs)	long	The value of tBgpPeerNgOperLabelV4SentPfxs indicates the number of label-ipv4 prefixes transmitted to this peer.
labelV4SupPfxDamp [Label V4 Sup Pfx Damp] (tBgpPeerNgOperLabelV4SupPfxDamp)	long	The value of tBgpPeerNgOperLabelV4SupPfxDamp indicates the number of label-ipv4 prefixes from this peer, which have been suppressed by damping.
labelV6ActivePfxs [Label V6 Active Pfxs] (tBgpPeerNgOperLabelV6ActivePfxs)	long	The value of tBgpPeerNgOperLabelV6ActivePfxs indicates the number of active label-ipv6 prefixes from this peer.
labelV6BackupPfxs [Label V6 Backup Pfxs] (tBgpPeerNgOperLabelV6BackupPfxs)	long	The value of tBgpPeerNgOperLabelV6BackupPfxs indicates the number of label-ipv6 routes selected as backup from this peer.
labelV6RecvPfxs [Label V6 Recv Pfxs] (tBgpPeerNgOperLabelV6RecvPfxs)	long	The value of tBgpPeerNgOperLabelV6RecvPfxs indicates the number of label-ipv6 prefixes received from this peer.
labelV6RejPfxs [Label V6 Rej Pfxs] (tBgpPeerNgOperLabelV6RejPfxs)	long	The value of tBgpPeerNgOperLabelV6RejPfxs indicates the number of label-ipv6 prefixes rejected from this peer.
labelV6SentPfxs [Label V6 Sent Pfxs] (tBgpPeerNgOperLabelV6SentPfxs)	long	The value of tBgpPeerNgOperLabelV6SentPfxs indicates the number of label-ipv6 prefixes transmitted to this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelV6SupPfxDamp [Label V6 Sup Pfx Damp] (tBgpPeerNgOperLabelV6SupPfxDamp)	long	The value of tBgpPeerNgOperLabelV6SupPfxDamp indicates the number of label-ipv6 prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SupPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SupPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.

Table 637 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 638 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CflowdGeneralStats MIB entry name: tmnxCflowdGeneralObjs Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCflowd		
activeFlows [Active Flows] (tmnxCflowdActiveFlows)	long	The value of tmnxCflowdActiveFlows is a gauge that indicates the current number of active flows being collected.
droppedFlows [Dropped Flows] (tmnxCflowdGenDroppedFlows)	long	The value of tmnxCflowdGenDroppedFlows indicates the number of times a flow was dropped. Data from dropped flows are not reported to any collector.
genAggrFlowsCreated [Gen Aggr Flows Created] (tmnxCflowdGenAggrFlowsCreated)	long	The value of tmnxCflowdGenAggrFlowsCreated indicates the number of aggregate flows created by system.
genAggrFlowsFlushed [Gen Aggr Flows Flushed] (tmnxCflowdGenAggrFlowsFlushed)	long	The value of tmnxCflowdGenAggrFlowsFlushed indicates the number of aggregate flows flushed.
genAggrFlowsMatched [Gen Aggr Flows Matched] (tmnxCflowdGenAggrFlowsMatched)	long	The value of tmnxCflowdGenAggrFlowsMatched indicates the number of packets matched to an existing aggregate flow.
genRawFlowsCreated [Gen Raw Flows Created] (tmnxCflowdGenRawFlowsCreated)	long	The value of tmnxCflowdGenRawFlowsCreated indicates the number of raw flows created by system.
genRawFlowsFlushed [Gen Raw Flows Flushed] (tmnxCflowdGenRawFlowsFlushed)	long	The value of tmnxCflowdGenRawFlowsFlushed indicates the number of raw flows flushed.

Table 638 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
genRawFlowsMatched [Gen Raw Flows Matched] (tmnxCflowdGenRawFlowsMatched)	long	The value of tmnxCflowdGenRawFlowsMatched indicates the number of raw packets matched to an existing raw flow.
overflowEvents [Overflow Events] (tmnxCflowdGenOverflowEvents)	long	The value of tmnxCflowdGenOverflowEvents indicates the number of times the flow cache has entered the overflow state.
totalPktsDropped [Total Pkts Dropped] (tmnxCflowdTotalPktsDropped)	long	The value of tmnxCflowdTotalPktsDropped indicates the total number of packets dropped for Cflowd.
totalPktsRcvd [Total Pkts Rcvd] (tmnxCflowdTotalPktsRcvd)	long	The value of tmnxCflowdTotalPktsRcvd indicates the total number of packets received for Cflowd.
NeCflowdStats MIB entry name: tmnxCflowdVersionStatsEntry Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index. Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCollector		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.

Table 638 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.
<p>NeCollectorV10Stats MIB entry name: tmnxCFHostCollTemplStatsEntry Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index. Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type. Values: ipv4 (1) - IPv4 unicast/multicast sampling mpls (2) - MPLS ipv6 (3) - IPv6 unicast/multicast sampling l2 (4) - Layer 2

Table 638 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.
<p>NeCollectorV5Stats MIB entry name: tmnxCFHostCollV5StatsEntry Entry description: The tmnxCFHostCollV5StatsEntry contains the statistics information pertaining to the specified remote collector host. Table description (for tmnxCFHostCollV5StatsTable): The tmnxCFHostCollV5StatsTable consists of the version 5 statistics for a particular remote collector host. This table replaces tmnxCflowdV5StatsTable as it includes support for IPv6 addresses. Supports realtime plotting Supports scheduled collection Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnxCFHostCollV5ErrorPackets)	long	The value of tmnxCFHostCollV5ErrorPackets indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnxCFHostCollV5OpenPackets)	long	The value of tmnxCFHostCollV5OpenPackets indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnxCFHostCollV5SentPackets)	long	The value of tmnxCFHostCollV5SentPackets indicates the number of packets transmitted for the specified remote collector host.

Table 638 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnxCFHostCollAggrStatsEntry</p> <p>Entry description: The tmnxCFHostCollAggrStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnxCFHostCollAggrStatsTable): The tmnxCFHostCollAggrStatsTable consists of the overall statistics for a remote collector host based on aggregation type. This table replaces tmnxCflowdAggregationStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
aggPacketErrors [Agg Packet Errors] (tmnxCFHostCollAggrErrorPackets)	long	The value of tmnxCFHostCollAggrErrorPackets indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCFHostCollAggrOpenPackets)	long	The value of tmnxCFHostCollAggrOpenPackets indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCFHostCollAggrSentPackets)	long	The value of tmnxCFHostCollAggrSentPackets indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCFHostCollAggrIndex)	int	The value of tmnxCFHostCollAggrIndex specifies the row in the tmnxCFHostCollAggrStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCFHostCollAggrStatus)	int	The value of tmnxCFHostCollAggrStatus indicates whether or not the aggregation is in use in the remote collector host entry.

Table 638 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCFHostCollTemplStatsEntry</p> <p>Entry description: The tmnxCFHostCollTemplStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCFHostCollTemplStatsTable): The tmnxCFHostCollTemplStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. This table replaces the tmnxCflowdTemplateStatsTable as it includes support for IPv6 addresses.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCFHostCollTemplErrorPackets)	long	The value of tmnxCFHostCollTemplErrorPackets indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCFHostCollTemplFlowIndex)	int	The value of tmnxCFHostCollTemplFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type. Values: ipv4 (1) - IPv4 unicast/multicast sampling mpls (2) - MPLS ipv6 (3) - IPv6 unicast/multicast sampling I2 (4) - Layer 2
templateOpen [Template Open] (tmnxCFHostCollTemplOpenPackets)	long	The value of tmnxCFHostCollTemplOpenPackets indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCFHostCollTemplSentPackets)	long	The value of tmnxCFHostCollTemplSentPackets indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCFHostCollTemplLastTxTime)	long	The value of tmnxCFHostCollTemplLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 639 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardResourceStats</p> <p>MIB entry name: tCardResEntry</p> <p>Entry description: The value of tCardResEntry represents card specific system resource information.</p> <p>Table description (for tCardResTable): The value of tCardResTable represents system resource information that are specific to a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tCardResFPIngQGrpInstAlloc)	long	The value of tCardResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are currently provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tCardResFPIngQGrpInstTotal)	long	The value of tCardResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all FP on this card including access and network instances that are allowed to be provisioned. When the value of tCardResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
hsmdaQOvrAlloc [Hsmda QOvr Alloc] (tCardResHsmdaQOvrAlloc)	long	The value of tCardResHsmdaQOvrAlloc represents the total number of HSMDA queue overrides that are currently allocated on this card.
hsmdaQOvrTotal [Hsmda QOvr Total] (tCardResHsmdaQOvrTotal)	long	The value of tCardResHsmdaQOvrTotal represents the total number of HSMDA queue overrides that are supported on this card. When the value of tCardResHsmdaQOvrTotal is zero, it indicates that this resource type is not supported on this card.
portAccEgrQGrpInstAlloc [Port Acc Egr QGrp Inst Alloc] (tCardResPortAccEgrQGrpInstAlloc)	long	The value of tCardResPortAccEgrQGrpInstAlloc represents the total number of port access egress queue-group instances across all ports on this card that are currently provisioned.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portAccEgrQGrpInstTotal [Port Acc Egr QGrp Inst Total] (tCardResPortAccEgrQGrpInstTotal)	long	The value of tCardResPortAccEgrQGrpInstTotal represents the total number of port access egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortAccEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tCardResPortEgrQGrpInstAlloc)	long	The value of tCardResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tCardResPortEgrQGrpInstTotal)	long	The value of tCardResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all ports on this card including access and network instances that are allowed to be provisioned. When the value of tCardResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
portEgrUserSchedOvrsAlloc [Port Egr User Sched Ovrs Alloc] (tCardResQosUserSchedOvrsAlloc)	long	The value of tCardResQosUserSchedOvrsAlloc represents the total number of QoS user virtual scheduler overrides that are currently allocated on this card.
portEgrUserSchedOvrsTotal [Port Egr User Sched Ovrs Total] (tCardResQosUserSchedOvrsTotal)	long	The value of tCardResQosUserSchedOvrsTotal represents the total amount of QoS user virtual scheduler overrides that are supported on this card. When the value of tCardResQosUserSchedOvrsTotal is zero, it indicates that this resource type is not supported on this card.
portEgrVPortAlloc [Port Egr VPort Alloc] (tCardResPortEgrVPortAlloc)	long	The value of tCardResPortEgrVPortAlloc represents the total number of egress virtual ports across all ports on this card that are currently provisioned.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrVPortTotal [Port Egr VPort Total] (tCardResPortEgrVPortTotal)	long	The value of tCardResPortEgrVPortTotal represents the total number of egress virtual ports across all ports on this card that are allowed to be provisioned. When the value of tCardResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this card.
portNetEgrQGrpInstAlloc [Port Net Egr QGrp Inst Alloc] (tCardResPortNetEgrQGrpInstAlloc)	long	The value of tCardResPortNetEgrQGrpInstAlloc represents the total number of port network egress queue-group instances across all ports on this card that are currently provisioned.
portNetEgrQGrpInstTotal [Port Net Egr QGrp Inst Total] (tCardResPortNetEgrQGrpInstTotal)	long	The value of tCardResPortNetEgrQGrpInstTotal represents the total number of port network egress queue-group instances across all ports on this card that are allowed to be provisioned. When the value of tCardResPortNetEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this card.
qosUserSchedsAlloc [Qos User Scheds Alloc] (tCardResQosUserSchedsAlloc)	long	The value of tCardResQosUserSchedsAlloc represents the total number of QoS user virtual schedulers that are currently allocated on this card.
qosUserSchedsTotal [Qos User Scheds Total] (tCardResQosUserSchedsTotal)	long	The value of tCardResQosUserSchedsTotal represents the total amount of QoS user virtual schedulers that are supported on this card. When the value of tCardResQosUserSchedsTotal is zero, it indicates that this resource type is not supported on this card.
subSPIQosOvrAlloc [Sub SPIQos Ovr Alloc] (tCardResSubSPIQosOvrAlloc)	long	The value of tCardResSubSPIQosOvrAlloc represents the total number of QoS subscriber sla-profile instance overrides that are currently allocated on this card.
subSPIQosOvrTotal [Sub SPIQos Ovr Total] (tCardResSubSPIQosOvrTotal)	long	The value of tCardResSubSPIQosOvrTotal represents the total number of QoS subscriber sla-profile instance overrides that are supported on this card. When the value of tCardResSubSPIQosOvrTotal is zero, it indicates that this resource type is not supported on this card.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ChassisResourceStats MIB entry name: tChassisResEntry Entry description: The value of tChassisResEntry represents chassis specific system resource information. Table description (for tChassisResTable): The value of tChassisResTable represents system resource information that are specific to chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
dynSvcNHEntryAlloc [Dyn Svc NHEntry Alloc] (tChassisResDynSvcNHEntryAlloc)	long	The value of tChassisResDynSvcNHEntryAlloc represents the total number of dynamic service next-hop entries currently in use on this chassis. The value of tChassisResDynSvcNHEntryAlloc will always equal to the sum of tChassisResIpSecNHEntryAlloc and tChassisResSubNHEntryAlloc since IPsec next-hop and subscriber next-hop resources are subsets of dynamic service next-hop entry resources.
dynSvcNHEntryTotal [Dyn Svc NHEntry Total] (tChassisResDynSvcNHEntryTotal)	long	The value of tChassisResDynSvcNHEntryTotal represents the total number of dynamic service next-hop entries supported on this chassis. When the value of tChassisResDynSvcNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis.
egrQGrpTmplAlloc [Egr QGrp Tmpl Alloc] (tChassisResEgrQGrpTmplAlloc)	long	The value of tChassisResEgrQGrpTmplAlloc represents the total number of egress queue-group-templates that are currently provisioned on this chassis.
egrQGrpTmplTotal [Egr QGrp Tmpl Total] (tChassisResEgrQGrpTmplTotal)	long	The value of tChassisResEgrQGrpTmplTotal represents the total number of egress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResEgrQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fPIngQGrpInstAlloc [FPIng QGrp Inst Alloc] (tChassisResFPIngQGrpInstAlloc)	long	The value of tChassisResFPIngQGrpInstAlloc represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned.
fPIngQGrpInstTotal [FPIng QGrp Inst Total] (tChassisResFPIngQGrpInstTotal)	long	The value of tChassisResFPIngQGrpInstTotal represents the total number of forwarding-plane (FP) ingress queue-group instances across all the FP on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResFPIngQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
ingQGrpTmplAlloc [Ing QGrp Tmpl Alloc] (tChassisResIngQGrpTmplAlloc)	long	The value of tChassisResIngQGrpTmplAlloc represents the total number of ingress queue-group-templates that are currently provisioned on this chassis.
ingQGrpTmplTotal [Ing QGrp Tmpl Total] (tChassisResIngQGrpTmplTotal)	long	The value of tChassisResIngQGrpTmplTotal represents the total number of ingress queue-group-templates that are allowed to be provisioned on this chassis. When the value of tChassisResIngQGrpTmplTotal is zero, it indicates that this resource type is not supported on this chassis.
ipSecNHEntryAlloc [Ip Sec NHEntry Alloc] (tChassisResIpSecNHEntryAlloc)	long	The value of tChassisResIpSecNHEntryAlloc represents the total number of IPsec next-hop entries currently in use on this chassis. The value of tChassisResIpSecNHEntryAlloc will always be less than or equal to tChassisResDynSvcNHEntryAlloc since IPsec next-hop entry resources are a subset of dynamic service next-hop entry resources.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipSecNHEntryTotal [Ip Sec NHEntry Total] (tChassisResIpSecNHEntryTotal)	long	The value of tChassisResIpSecNHEntryTotal represents the total number of IPsec next-hop entries supported on this chassis. When the value of tChassisResIpSecNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis. The value of tChassisResIpSecNHEntryTotal will always be less than or equal to tChassisResDynSvcNHEntryTotal since IPsec next-hop entry resources are a subset of dynamic service next-hop entry resources.
portEgrQGrpInstAlloc [Port Egr QGrp Inst Alloc] (tChassisResPortEgrQGrpInstAlloc)	long	The value of tChassisResPortEgrQGrpInstAlloc represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are currently provisioned.
portEgrQGrpInstTotal [Port Egr QGrp Inst Total] (tChassisResPortEgrQGrpInstTotal)	long	The value of tChassisResPortEgrQGrpInstTotal represents the total number of port egress queue-group instances across all the ports on this chassis including access and network instances that are allowed to be provisioned. When the value of tChassisResPortEgrQGrpInstTotal is zero, it indicates that this resource type is not supported on this chassis.
portEgrVPortAlloc [Port Egr VPort Alloc] (tChassisResPortEgrVPortAlloc)	long	The value of tChassisResPortEgrVPortAlloc represents the total number of port virtual ports across all the ports on this chassis that are currently provisioned.
portEgrVPortTotal [Port Egr VPort Total] (tChassisResPortEgrVPortTotal)	long	The value of tChassisResPortEgrVPortTotal represents the total number of egress virtual ports across all the ports on this chassis that are allowed to be provisioned. When the value of tChassisResPortEgrVPortTotal is zero, it indicates that this resource type is not supported on this chassis.
sapEgrQosPolAlloc [Sap Egr Qos Pol Alloc] (tChassisResSapEgrQosPolAlloc)	long	The value of tChassisResSapEgrQosPolAlloc represents the total number of sap-egress QoS policies that are currently provisioned on this chassis.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapEgrQosPolTotal [Sap Egr Qos Pol Total] (tChassisResSapEgrQosPolTotal)	long	The value of tChassisResSapEgrQosPolTotal represents the total number of sap-egress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapEgrQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tChassisResSapIngQosPolAlloc)	long	The value of tChassisResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently provisioned on this chassis.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tChassisResSapIngQosPolTotal)	long	The value of tChassisResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be provisioned on this chassis. When the value of tChassisResSapIngQosPolTotal is zero, it indicates that this resource type is not supported on this chassis.
subNHEntryAlloc [Sub NHEntry Alloc] (tChassisResSubNHEntryAlloc)	long	The value of tChassisResSubNHEntryAlloc represents the total number of subscriber next-hop entries currently in use on this chassis. The value of tChassisResSubNHEntryAlloc will always be less than or equal to tChassisResDynSvcNHEntry-Alloc since subscriber next-hop entry resources are a subset of dynamic service next hop entry resources.
subNHEntryTotal [Sub NHEntry Total] (tChassisResSubNHEntryTotal)	long	The value of tChassisResSubNHEntryTotal represents the total number of subscriber next-hop entries supported on this chassis. When the value of tChassisResSubNHEntryTotal is zero, it indicates that this resource type is not supported on this chassis. The value of tChassisResSubNHEntryTotal will always be less than or equal to tChassisResDynSvcNHEntry-Total since subscriber next-hop entry resources are a subset of dynamic service next-hop entry resources.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpuUtilizationStats</p> <p>MIB entry name: tmnxCardCpuResMonitorEntry</p> <p>Entry description: The tmnxCardCpuResMonitorEntry contains the card level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxCardCpuResMonitorTable): The tmnxCardCpuResMonitorTable details the specified current card's CPU resources. The information described in this table is volatile and dependent on the current environmental conditions, and specified sample-time. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
busyCoreUtil [Busy Core Util] (tmnxCardCpuResMonBusyCoreUtil)	double	The value of tmnxCardCpuResMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
busyGroupName [Busy Group Name] (tmnxCardCpuResMonBusyGroupName)	String	The value of tmnxCardCpuResMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxCardCpuResMonBusyGroupUtil.
busyGroupUtil [Busy Group Util] (tmnxCardCpuResMonBusyGroupUtil)	double	The value of tmnxCardCpuResMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxCardCpuResMonBusyGroupName.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotId [Card Slot Id] (tmnxCardResourceSlotNum)	long	The value of tmnxCardResourceSlotNum specifies the slot number of the card to which the resource information is monitored.
cpuldle [Cpu Idle] (tmnxCardCpuResMonCpuldle)	double	The value of tmnxCardCpuResMonCpuldle indicates the overall percentage of CPU idleness over the specified sample-time.
samplingTime [Sampling Time] (tmnxCardCpuResSampleTime)	int	The value of tmnxCardCpuResSampleTime specifies the sample-time used to calculate the utilization results for the row.
<p>DDMStats</p> <p>MIB entry name: tmnxDigitalDiagMonitorEntry</p> <p>Entry description: Each row represents a particular SFF that supports Digital Diagnostic Monitoring. Entries are created and deleted internally by the system.</p> <p>Table description (for tmnxDigitalDiagMonitorTable): The tmnxDigitalDiagMonitorTable has an entry for each SFF in the system that supports Digital Diagnostic Monitoring (DDM). The table is indexed by TmnxPortID. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable SFF components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.DigitalDiagnosticMonitoring</p>		
aux1 [Aux 1] (tmnxDDMAux1)	float	The value of tmnxDDMAux1 indicates the Manufacturer specific Auxiliary 1 information of the XFP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aux1Type [Aux 1 Type] (tmnxDDMAux1Type)	int	The value of tmnxDDMAux1Type indicates the measurement type of the Manufacturer specific Auxiliary 1 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.
aux2 [Aux 2] (tmnxDDMAux2)	float	The value of tmnxDDMAux2 indicates the Manufacturer specific Auxiliary 2 information of the SFF.
aux2Type [Aux 2 Type] (tmnxDDMAux2Type)	int	The value of tmnxDDMAux2Type indicates the measurement type of the Manufacturer specific Auxiliary 2 information of the XFP: none (0) - not specified. adp-bias-voltage (1) - LSB is 10mV. reserved-2 (2) - reserved for future use. tec-current (3) - LSB is 100uA. laser-temp (4) - degrees Celsius(C). laser-wavelength (5) - LSB is 0.05 nm. voltage-50 (6) - 5.0 supply voltage, LSB=100uV. voltage-33 (7) - 3.3 supply voltage, LSB=100uV. voltage-18 (8) - 1.8 supply voltage, LSB=100uV, voltage-52 (9) - -5.2 supply voltage, LSB=100uV. current-50 (10) - 5.0V supply current, LSB=100uA. reserved-11 (11) - reserved for future use. reserved-12 (12) - reserved for future use. current-33 (13) - 3.3V supply current, LSB=100uA. current-18 (14) - 1.8V supply current, LSB=100uA. current-52 (15) - -5.2V supply current, LSB=100uA.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxOpticalPower [Rx Optical Power] (tmnxDDMRxOpticalPower)	float	The value of tmnxDDMRxOpticalPower indicates the current Received Optical Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalRxPower4, tmnxDDMExtCalRxPower3, tmnxDDMExtCalRxPower2, tmnxDDMExtCalRxPower1 and tmnxDDMExtCalRxPower0 affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMRxOpticalPowerType)	int	The value of tmnxDDMRxOpticalPowerType indicates whether the tmnxDDMRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).
supplyVoltage [Supply Voltage] (tmnxDDMSupplyVoltage)	float	The value of tmnxDDMSupplyVoltage indicates the current supply voltage of the SFF. For 100G MSA Transponder, the supply voltage is in millivolts (mV). For all other types the voltage is in deci-millivolts (1/10th of a millivolt or 100 microvolt units). If the SFF is externally calibrated, the objects tmnxDDMExtCalVoltageSlope and tmnxDDMExtCalVoltageOffset affect the voltage calculation. The formula for translating between the value of tmnxDDMSupplyVoltage and Voltage is: Internally Calibrated only: tmnxDDMSupplyVoltage * conversion_factor Externally Calibrated: (tmnxDDMSupplyVoltage * (tmnxDDMExtCalVoltageSlope / 256) + tmnxDDMExtCalVoltageOffset) * conversion_factor where conversion_factor is 1/1000 for 100G MSA transponders and 1/10000 for all the others. For example (internally calibrated SFF): 1. For 100G MSA transponders, the SNMP value 32851 is 32.851 Volts (V). 2. For all others, the SNMP value 32851 is 3.2851 Volts (V).

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMTemperature)	float	The value of tmnxDDMTemperature indicates the current temperature of the SFF in 1/256th degrees Celsius. If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the temperature calculation. The formula for translating between the value of tmnxDDMTemperature and degrees Celsius is: Internally Calibrated only: $\text{tmnxDDMTemperature} / 256$ Externally Calibrated: $(\text{tmnxDDMTemperature} * (\text{tmnxDDMExtCalTemperatureSlope} / 256) + \text{tmnxDDMExtCalTemperatureOffset}) / 256$ For example (internally calibrated SFF): The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMTxBiasCurrent)	float	The value of tmnxDDMTxBiasCurrent indicates the current Transmit Bias Current of the SFF in 1/500 milliamperes (mA). If the SFF is externally calibrated, the objects tmnxDDMExtCalTxLaserBiasSlope and tmnxDDMExtCalTxLaserBiasOffset affect the ampere calculation. The formula for translating between the value of tmnxDDMTxBiasCurrent and amperes is: Internally Calibrated only: $\text{tmnxDDMTxBiasCurrent} / 500$ Externally Calibrated: $(\text{tmnxDDMTxBiasCurrent} * (\text{tmnxDDMExtCalTxLaserBiasSlope} / 256) + \text{tmnxDDMExtCalTxLaserBiasOffset}) / 500$ For example (internally calibrated SFF): The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMTxOutputPower)	float	The value of tmnxDDMTxOutputPower indicates the current Output Power of the SFF in one tenths of a microwatt (uW). If the SFF is externally calibrated, the objects tmnxDDMExtCalTemperatureSlope and tmnxDDMExtCalTemperatureOffset affect the output power calculation. For example (internally calibrated SFF): Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EgrVPortAggStats</p> <p>MIB entry name: tPortEgrVPortAggStatsEntry</p> <p>Entry description: Each row in tPortEgrVPortAggStatsEntry represents a particular virtual port at the port egress level specified by tPortEgrVPortName and tPortEgrVPStLvl.</p> <p>Table description (for tPortEgrVPortAggStatsTable): The tPortEgrVPortAggStatsTable contains the statistics of each virtual port at the port egress level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrVPortAggStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVportAggStatsCIRLevelDpdOct [Egr Vport Agg Stats CIRLevel Dpd Oct] (tPortEgrVPStLvlDpdOct)	java. math. BigInteger	The value of tPortEgrVPStLvlDpdOct indicates the number of octets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelDpdPkt [Egr Vport Agg Stats CIRLevel Dpd Pkt] (tPortEgrVPStLvlDpdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvlDpdPkt indicates the number of packets dropped by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdOct [Egr Vport Agg Stats CIRLevel Fwd Oct] (tPortEgrVPStLvlFwdOct)	java. math. BigInteger	The value of tPortEgrVPStLvlFwdOct indicates the number of octets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevelFwdPkt [Egr Vport Agg Stats CIRLevel Fwd Pkt] (tPortEgrVPStLvlFwdPkt)	java. math. BigInteger	The value of tPortEgrVPStLvlFwdPkt indicates the number of packets forwarded by the virtual port for the priority level specified by tPortEgrVPStLvl.
egrVportAggStatsCIRLevel [Egr Vport Agg Stats CIRLevel] (tPortEgrVPStLvl)	int	The value of tPortEgrVPStLvl indicates the priority level for the port scheduler to which a subscriber host queue can be port-parented. When the value of tPortEgrVPStLvl is specified as '0xffffffff H', snmp GET on this table returns aggregate statistics.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVportAggStatsLastClearTime [Egr Vport Agg Stats Last Clear Time] (tPortEgrVPStLstClrdTime)	long	The value of tPortEgrVPStLstClrdTime indicates the sysUpTime when the counters in this table were last cleared.
<p>EgrVPortMonitorThresholdStats</p> <p>MIB entry name: tPortEgrVPortMonThrEntry</p> <p>Entry description: The value of tPortEgrVPortMonThrEntry represents threshold monitoring information for port scheduler policy specified by tPortEgrVPortQosSchedPolicy for each access egress vport when the value of tPortEgrVPortMonitorPortSched is set to 'enabled (1)'.</p> <p>Table description (for tPortEgrVPortMonThrTable): The value of tPortEgrVPortMonThrTable contains port scheduler policy's threshold monitoring information for each access egress vport when the value of tPortEgrVPortMonitorPortSched is set to 'enabled (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.EgrSchVirtualPort</p>		
egrVPortMonThrEndTime [Egr VPort Mon Thr End Time] (tPortEgrVPortMonThrEndTime)	long	The value of tPortEgrVPortMonThrEndTime represents the end time for threshold monitoring.
egrVPortMonThrGrp1ExceedCnt [Egr VPort Mon Thr Grp 1 Exceed Cnt] (tPortEgrVPortMonThrGrp1ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp1ExceedCnt represents the exceed count for group 1 specified by tPortEgrVPortMonThrGrp1Name.
egrVPortMonThrGrp1Name [Egr VPort Mon Thr Grp 1 Name] (tPortEgrVPortMonThrGrp1Name)	String	The value of tPortEgrVPortMonThrGrp1Name represents port scheduler policy's group name.
egrVPortMonThrGrp2ExceedCnt [Egr VPort Mon Thr Grp 2 Exceed Cnt] (tPortEgrVPortMonThrGrp2ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp2ExceedCnt represents the exceed count for group 2 specified by tPortEgrVPortMonThrGrp2Name.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrGrp2Name [Egr VPort Mon Thr Grp 2 Name] (tPortEgrVPortMonThrGrp2Name)	String	The value of tPortEgrVPortMonThrGrp2Name represents port scheduler policy's group name.
egrVPortMonThrGrp3ExceedCnt [Egr VPort Mon Thr Grp 3 Exceed Cnt] (tPortEgrVPortMonThrGrp3ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp3ExceedCnt represents the exceed count for group 3 specified by tPortEgrVPortMonThrGrp3Name.
egrVPortMonThrGrp3Name [Egr VPort Mon Thr Grp 3 Name] (tPortEgrVPortMonThrGrp3Name)	String	The value of tPortEgrVPortMonThrGrp3Name represents port scheduler policy's group name.
egrVPortMonThrGrp4ExceedCnt [Egr VPort Mon Thr Grp 4 Exceed Cnt] (tPortEgrVPortMonThrGrp4ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp4ExceedCnt represents the exceed count for group 4 specified by tPortEgrVPortMonThrGrp4Name.
egrVPortMonThrGrp4Name [Egr VPort Mon Thr Grp 4 Name] (tPortEgrVPortMonThrGrp4Name)	String	The value of tPortEgrVPortMonThrGrp4Name represents port scheduler policy's group name.
egrVPortMonThrGrp5ExceedCnt [Egr VPort Mon Thr Grp 5 Exceed Cnt] (tPortEgrVPortMonThrGrp5ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp5ExceedCnt represents the exceed count for group 5 specified by tPortEgrVPortMonThrGrp5Name.
egrVPortMonThrGrp5Name [Egr VPort Mon Thr Grp 5 Name] (tPortEgrVPortMonThrGrp5Name)	String	The value of tPortEgrVPortMonThrGrp5Name represents port scheduler policy's group name.
egrVPortMonThrGrp6ExceedCnt [Egr VPort Mon Thr Grp 6 Exceed Cnt] (tPortEgrVPortMonThrGrp6ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp6ExceedCnt represents the exceed count for group 6 specified by tPortEgrVPortMonThrGrp6Name.
egrVPortMonThrGrp6Name [Egr VPort Mon Thr Grp 6 Name] (tPortEgrVPortMonThrGrp6Name)	String	The value of tPortEgrVPortMonThrGrp6Name represents port scheduler policy's group name.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrGrp7ExceedCnt [Egr VPort Mon Thr Grp 7 Exceed Cnt] (tPortEgrVPortMonThrGrp7ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp7ExceedCnt represents the exceed count for group 7 specified by tPortEgrVPortMonThrGrp7Name.
egrVPortMonThrGrp7Name [Egr VPort Mon Thr Grp 7 Name] (tPortEgrVPortMonThrGrp7Name)	String	The value of tPortEgrVPortMonThrGrp7Name represents port scheduler policy's group name.
egrVPortMonThrGrp8ExceedCnt [Egr VPort Mon Thr Grp 8 Exceed Cnt] (tPortEgrVPortMonThrGrp8ExceedCnt)	long	The value of tPortEgrVPortMonThrGrp8ExceedCnt represents the exceed count for group 8 specified by tPortEgrVPortMonThrGrp8Name.
egrVPortMonThrGrp8Name [Egr VPort Mon Thr Grp 8 Name] (tPortEgrVPortMonThrGrp8Name)	String	The value of tPortEgrVPortMonThrGrp8Name represents port scheduler policy's group name.
egrVPortMonThrLvl1ExceedCnt [Egr VPort Mon Thr Lvl 1 Exceed Cnt] (tPortEgrVPortMonThrLvl1ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl1ExceedCnt represents the exceed count for priority level 1.
egrVPortMonThrLvl2ExceedCnt [Egr VPort Mon Thr Lvl 2 Exceed Cnt] (tPortEgrVPortMonThrLvl2ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl2ExceedCnt represents the exceed count for priority level 2.
egrVPortMonThrLvl3ExceedCnt [Egr VPort Mon Thr Lvl 3 Exceed Cnt] (tPortEgrVPortMonThrLvl3ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl3ExceedCnt represents the exceed count for priority level 3.
egrVPortMonThrLvl4ExceedCnt [Egr VPort Mon Thr Lvl 4 Exceed Cnt] (tPortEgrVPortMonThrLvl4ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl4ExceedCnt represents the exceed count for priority level 4.
egrVPortMonThrLvl5ExceedCnt [Egr VPort Mon Thr Lvl 5 Exceed Cnt] (tPortEgrVPortMonThrLvl5ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl5ExceedCnt represents the exceed count for priority level 5.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrVPortMonThrLvl6ExceedCnt [Egr VPort Mon Thr Lvl 6 Exceed Cnt] (tPortEgrVPortMonThrLvl6ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl6ExceedCnt represents the exceed count for priority level 6.
egrVPortMonThrLvl7ExceedCnt [Egr VPort Mon Thr Lvl 7 Exceed Cnt] (tPortEgrVPortMonThrLvl7ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl7ExceedCnt represents the exceed count for priority level 7.
egrVPortMonThrLvl8ExceedCnt [Egr VPort Mon Thr Lvl 8 Exceed Cnt] (tPortEgrVPortMonThrLvl8ExceedCnt)	long	The value of tPortEgrVPortMonThrLvl8ExceedCnt represents the exceed count for priority level 8.
egrVPortMonThrPortExceedCnt [Egr VPort Mon Thr Port Exceed Cnt] (tPortEgrVPortMonThrPortExceedCnt)	long	The value of tPortEgrVPortMonThrPortExceedCnt represents the exceed count for egress port scheduler.
egrVPortMonThrStartTime [Egr VPort Mon Thr Start Time] (tPortEgrVPortMonThrStartTime)	long	The value of tPortEgrVPortMonThrStartTime represents the start time for threshold monitoring.
egrVPortMonThrTotalSamples [Egr VPort Mon Thr Total Samples] (tPortEgrVPortMonThrTotalSamples)	long	The value of tPortEgrVPortMonThrTotalSamples represents total samples collected during the threshold monitoring interval.
FPAcclngQGrpPolicerStats MIB entry name: tmnxFPAcclngQGrpPStatEntry Entry description: The value of tmnxFPAcclngQGrpPStatEntry defines an entry in the tmnxFPAcclngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer. Table description (for tmnxFPAcclngQGrpPStatTable): The tmnxFPAcclngQGrpPStatTable contains forwarding-plane ingress QoS queue group policer statistics on access side. Supports realtime plotting Does not support scheduled collection Monitored class: equipment.FPAcclngQGrpEntry		

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAccIngQGrpPStatMode [Fp Acc Ing QGrp PStat Mode] (tmnxFPAccIngQGrpPStatMode)	int	The value of tmnxFPAccIngQGrpPStatMode indicates the stat mode used by this policer.
fpAccIngQGrpPStatPolicerId [Fp Acc Ing QGrp PStat Policer Id] (tmnxFPAccIngQGrpPStatPolicerId)	long	The value of tmnxFPAccIngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on access.
fpAccIngQgPStDrpHPrioOcts [Fp Acc Ing Qg PSt Drp HPrio Octs] (tmnxFPAccIngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPAccIngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAccIngQgPStDrpHPrioOctsH [Fp Acc Ing Qg PSt Drp HPrio Octs H] (tmnxFPAccIngQgPStDrpHPrioOctsH)	long	The value of tmnxFPAccIngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPAccIngQgPStDrpHPrioOcts.
fpAccIngQgPStDrpHPrioOctsL [Fp Acc Ing Qg PSt Drp HPrio Octs L] (tmnxFPAccIngQgPStDrpHPrioOctsL)	long	The value of tmnxFPAccIngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPAccIngQgPStDrpHPrioOcts.
fpAccIngQgPStDrpHPrioPkts [Fp Acc Ing Qg PSt Drp HPrio Pkts] (tmnxFPAccIngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPAccIngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAccIngQgPStDrpHPrioPktsH [Fp Acc Ing Qg PSt Drp HPrio Pkts H] (tmnxFPAccIngQgPStDrpHPrioPktsH)	long	The value of tmnxFPAccIngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPAccIngQgPStDrpHPrioPkts.
fpAccIngQgPStDrpHPrioPktsL [Fp Acc Ing Qg PSt Drp HPrio Pkts L] (tmnxFPAccIngQgPStDrpHPrioPktsL)	long	The value of tmnxFPAccIngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPAccIngQgPStDrpHPrioPkts.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStDrpLPrioOcts [Fp Acc Ing Qg PSt Drp LPrio Octs] (tmnxFPAcclngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioOctsH [Fp Acc Ing Qg PSt Drp LPrio Octs H] (tmnxFPAcclngQgPStDrpLPrioOctsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioOctsL [Fp Acc Ing Qg PSt Drp LPrio Octs L] (tmnxFPAcclngQgPStDrpLPrioOctsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioOcts.
fpAcclngQgPStDrpLPrioPkts [Fp Acc Ing Qg PSt Drp LPrio Pkts] (tmnxFPAcclngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpAcclngQgPStDrpLPrioPktsH [Fp Acc Ing Qg PSt Drp LPrio Pkts H] (tmnxFPAcclngQgPStDrpLPrioPktsH)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.
fpAcclngQgPStDrpLPrioPktsL [Fp Acc Ing Qg PSt Drp LPrio Pkts L] (tmnxFPAcclngQgPStDrpLPrioPktsL)	long	The value of tmnxFPAcclngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStDrpLPrioPkts.
fpAcclngQgPStFwdInProfOcts [Fp Acc Ing Qg PSt Fwd In Prof Octs] (tmnxFPAcclngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfOctsH [Fp Acc Ing Qg PSt Fwd In Prof Octs H] (tmnxFPAcclngQgPStFwdInProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdInProfOctsL [Fp Acc Ing Qg PSt Fwd In Prof Octs L] (tmnxFPAcclngQgPStFwdInProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfOcts.
fpAcclngQgPStFwdInProfPkts [Fp Acc Ing Qg PSt Fwd In Prof Pkts] (tmnxFPAcclngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdInProfPktsH [Fp Acc Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPAcclngQgPStFwdInProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdInProfPktsL [Fp Acc Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPAcclngQgPStFwdInProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdInProfPkts.
fpAcclngQgPStFwdOutProfOcts [Fp Acc Ing Qg PSt Fwd Out Prof Octs] (tmnxFPAcclngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpAcclngQgPStFwdOutProfOctsH [Fp Acc Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPAcclngQgPStFwdOutProfOctsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.
fpAcclngQgPStFwdOutProfOctsL [Fp Acc Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPAcclngQgPStFwdOutProfOctsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfOcts.
fpAcclngQgPStFwdOutProfPkts [Fp Acc Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPAcclngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStFwdOutProfPktsH [Fp Acc Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPAcclngQgPStFwdOutProfPktsH)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStFwdOutProfPktsL [Fp Acc Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPAcclngQgPStFwdOutProfPktsL)	long	The value of tmnxFPAcclngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStFwdOutProfPkts.
fpAcclngQgPStOffHPrioOcts [Fp Acc Ing Qg PSt Off HPrio Octets] (tmnxFPAcclngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffHPrioOctsH [Fp Acc Ing Qg PSt Off HPrio Octets H] (tmnxFPAcclngQgPStOffHPrioOctsH)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioOctsL [Fp Acc Ing Qg PSt Off HPrio Octets L] (tmnxFPAcclngQgPStOffHPrioOctsL)	long	The value of tmnxFPAcclngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioOcts.
fpAcclngQgPStOffHPrioPkts [Fp Acc Ing Qg PSt Off HPrio Pkts] (tmnxFPAcclngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPAcclngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAcclngQgPStOffHPrioPktsH [Fp Acc Ing Qg PSt Off HPrio Pkts H] (tmnxFPAcclngQgPStOffHPrioPktsH)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.
fpAcclngQgPStOffHPrioPktsL [Fp Acc Ing Qg PSt Off HPrio Pkts L] (tmnxFPAcclngQgPStOffHPrioPktsL)	long	The value of tmnxFPAcclngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPAcclngQgPStOffHPrioPkts.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAccIngQgPStOffLPrioOcts [Fp Acc Ing Qg PSt Off LPrio Octs] (tmnxFPAccIngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPAccIngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.
fpAccIngQgPStOffLPrioOctsH [Fp Acc Ing Qg PSt Off LPrio Octs H] (tmnxFPAccIngQgPStOffLPrioOctsH)	long	The value of tmnxFPAccIngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPAccIngQgPStOffLPrioOcts.
fpAccIngQgPStOffLPrioOctsL [Fp Acc Ing Qg PSt Off LPrio Octs L] (tmnxFPAccIngQgPStOffLPrioOctsL)	long	The value of tmnxFPAccIngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPAccIngQgPStOffLPrioOcts.
fpAccIngQgPStOffLPrioPkts [Fp Acc Ing Qg PSt Off LPrio Pkts] (tmnxFPAccIngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPAccIngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpAccIngQgPStOffLPrioPktsH [Fp Acc Ing Qg PSt Off LPrio Pkts H] (tmnxFPAccIngQgPStOffLPrioPktsH)	long	The value of tmnxFPAccIngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPAccIngQgPStOffLPrioPkts.
fpAccIngQgPStOffLPrioPktsL [Fp Acc Ing Qg PSt Off LPrio Pkts L] (tmnxFPAccIngQgPStOffLPrioPktsL)	long	The value of tmnxFPAccIngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPAccIngQgPStOffLPrioPkts.
fpAccIngQgPStUncolOctsOff [Fp Acc Ing Qg PSt Uncol Octs Off] (tmnxFPAccIngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPAccIngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpAccIngQgPStUncolOctsOffH [Fp Acc Ing Qg PSt Uncol Octs Off H] (tmnxFPAccIngQgPStUncolOctsOffH)	long	The value of tmnxFPAccIngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPAccIngQgPStUncolOctsOff.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpAcclngQgPStUncolOctsOffL [Fp Acc Ing Qg PSt Uncol Octs Off L] (tmnxFPAcclngQgPStUncolOctsOffL)	long	The value of tmnxFPAcclngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolOctsOff.
fpAcclngQgPStUncolPktsOff [Fp Acc Ing Qg PSt Uncol Pkts Off] (tmnxFPAcclngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPAcclngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpAcclngQgPStUncolPktsOffH [Fp Acc Ing Qg PSt Uncol Pkts Off H] (tmnxFPAcclngQgPStUncolPktsOffH)	long	The value of tmnxFPAcclngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
fpAcclngQgPStUncolPktsOffL [Fp Acc Ing Qg PSt Uncol Pkts Off L] (tmnxFPAcclngQgPStUncolPktsOffL)	long	The value of tmnxFPAcclngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPAcclngQgPStUncolPktsOff.
<p>FPNwIngQGrpArbiterStats</p> <p>MIB entry name: tFPNetIngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter.</p> <p>Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.
<p>FPNwIngQGrpPolicerStats</p> <p>MIB entry name: tmnxFPNetIngQGrpPStatEntry</p> <p>Entry description: The value of tmnxFPNetIngQGrpPStatEntry defines an entry in the tmnxFPNetIngQGrpPStatTable. It represents statistics about a specific QoS ingress queue group policer.</p> <p>Table description (for tmnxFPNetIngQGrpPStatTable): The tmnxFPNetIngQGrpPStatTable contains forwarding-plane ingress QoS queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpPStatMode [Fp Net Ing QGrp PStat Mode] (tmnxFPNetIngQGrpPStatMode)	int	The value of tmnxFPNetIngQGrpPStatMode indicates the stat mode used by this policer.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpPStatPolicerId [Fp Net Ing QGrp PStat Policer Id] (tmnxFPNetIngQGrpPStatPolicerId)	long	The value of tmnxFPNetIngQGrpPStatPolicerId specifies the index of the ingress QoS policer of this forwarding-plane queue group on network.
fpNetIngQgPStDrpHPrioOcts [Fp Net Ing Qg PSt Drp HPrio Octs] (tmnxFPNetIngQgPStDrpHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpHPrioOctsH [Fp Net Ing Qg PSt Drp HPrio Octs H] (tmnxFPNetIngQgPStDrpHPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioOctsL [Fp Net Ing Qg PSt Drp HPrio Octs L] (tmnxFPNetIngQgPStDrpHPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioOcts.
fpNetIngQgPStDrpHPrioPkts [Fp Net Ing Qg PSt Drp HPrio Pkts] (tmnxFPNetIngQgPStDrpHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpHPrioPktsH [Fp Net Ing Qg PSt Drp HPrio Pkts H] (tmnxFPNetIngQgPStDrpHPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpHPrioPktsL [Fp Net Ing Qg PSt Drp HPrio Pkts L] (tmnxFPNetIngQgPStDrpHPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpHPrioPkts.
fpNetIngQgPStDrpLPrioOcts [Fp Net Ing Qg PSt Drp LPrio Octs] (tmnxFPNetIngQgPStDrpLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStDrpLPrioOctsH [Fp Net Ing Qg PSt Drp LPrio Octs H] (tmnxFPNetIngQgPStDrpLPrioOctsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioOctsL [Fp Net Ing Qg PSt Drp LPrio Octs L] (tmnxFPNetIngQgPStDrpLPrioOctsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioOcts.
fpNetIngQgPStDrpLPrioPkts [Fp Net Ing Qg PSt Drp LPrio Pkts] (tmnxFPNetIngQgPStDrpLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStDrpLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, dropped by the Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
fpNetIngQgPStDrpLPrioPktsH [Fp Net Ing Qg PSt Drp LPrio Pkts H] (tmnxFPNetIngQgPStDrpLPrioPktsH)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.
fpNetIngQgPStDrpLPrioPktsL [Fp Net Ing Qg PSt Drp LPrio Pkts L] (tmnxFPNetIngQgPStDrpLPrioPktsL)	long	The value of tmnxFPNetIngQgPStDrpLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStDrpLPrioPkts.
fpNetIngQgPStFwdInProfOcts [Fp Net Ing Qg PSt Fwd In Prof Octs] (tmnxFPNetIngQgPStFwdInProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfOctsH [Fp Net Ing Qg PSt Fwd In Prof Octs H] (tmnxFPNetIngQgPStFwdInProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.
fpNetIngQgPStFwdInProfOctsL [Fp Net Ing Qg PSt Fwd In Prof Octs L] (tmnxFPNetIngQgPStFwdInProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdInProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfOcts.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdInProfPkts [Fp Net Ing Qg PSt Fwd In Prof Pkts] (tmnxFPNetIngQgPStFwdInProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdInProfPktsH [Fp Net Ing Qg PSt Fwd In Prof Pkts H] (tmnxFPNetIngQgPStFwdInProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdInProfPktsL [Fp Net Ing Qg PSt Fwd In Prof Pkts L] (tmnxFPNetIngQgPStFwdInProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdInProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdInProfPkts.
fpNetIngQgPStFwdOutProfOcts [Fp Net Ing Qg PSt Fwd Out Prof Octs] (tmnxFPNetIngQgPStFwdOutProfOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfOctsH [Fp Net Ing Qg PSt Fwd Out Prof Octs H] (tmnxFPNetIngQgPStFwdOutProfOctsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.
fpNetIngQgPStFwdOutProfOctsL [Fp Net Ing Qg PSt Fwd Out Prof Octs L] (tmnxFPNetIngQgPStFwdOutProfOctsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfOcts.
fpNetIngQgPStFwdOutProfPkts [Fp Net Ing Qg PSt Fwd Out Prof Pkts] (tmnxFPNetIngQgPStFwdOutProfPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Pchip.
fpNetIngQgPStFwdOutProfPktsH [Fp Net Ing Qg PSt Fwd Out Prof Pkts H] (tmnxFPNetIngQgPStFwdOutProfPktsH)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStFwdOutProfPktsL [Fp Net Ing Qg PSt Fwd Out Prof Pkts L] (tmnxFPNetIngQgPStFwdOutProfPktsL)	long	The value of tmnxFPNetIngQgPStFwdOutProfPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStFwdOutProfPkts.
fpNetIngQgPStOffHPrioOcts [Fp Net Ing Qg PSt Off HPrio Octs] (tmnxFPNetIngQgPStOffHPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioOcts indicates the number of high priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffHPrioOctsH [Fp Net Ing Qg PSt Off HPrio Octs H] (tmnxFPNetIngQgPStOffHPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioOctsL [Fp Net Ing Qg PSt Off HPrio Octs L] (tmnxFPNetIngQgPStOffHPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffHPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioOcts.
fpNetIngQgPStOffHPrioPkts [Fp Net Ing Qg PSt Off HPrio Pkts] (tmnxFPNetIngQgPStOffHPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffHPrioPkts indicates the number of high priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffHPrioPktsH [Fp Net Ing Qg PSt Off HPrio Pkts H] (tmnxFPNetIngQgPStOffHPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffHPrioPktsL [Fp Net Ing Qg PSt Off HPrio Pkts L] (tmnxFPNetIngQgPStOffHPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffHPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffHPrioPkts.
fpNetIngQgPStOffLPrioOcts [Fp Net Ing Qg PSt Off LPrio Octs] (tmnxFPNetIngQgPStOffLPrioOcts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioOcts indicates the number of low priority octets, as determined by the ingress queue group policer, offered by the Pchip to the Pchip.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStOffLPrioOctsH [Fp Net Ing Qg PSt Off LPrio Octs H] (tmnxFPNetIngQgPStOffLPrioOctsH)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioOctsL [Fp Net Ing Qg PSt Off LPrio Octs L] (tmnxFPNetIngQgPStOffLPrioOctsL)	long	The value of tmnxFPNetIngQgPStOffLPrioOctsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioOcts.
fpNetIngQgPStOffLPrioPkts [Fp Net Ing Qg PSt Off LPrio Pkts] (tmnxFPNetIngQgPStOffLPrioPkts)	java. math. BigInteger	The value of tmnxFPNetIngQgPStOffLPrioPkts indicates the number of low priority packets, as determined by the ingress queue group policer, offered by the Pchip to the Qchip.
fpNetIngQgPStOffLPrioPktsH [Fp Net Ing Qg PSt Off LPrio Pkts H] (tmnxFPNetIngQgPStOffLPrioPktsH)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsH indicates the upper 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.
fpNetIngQgPStOffLPrioPktsL [Fp Net Ing Qg PSt Off LPrio Pkts L] (tmnxFPNetIngQgPStOffLPrioPktsL)	long	The value of tmnxFPNetIngQgPStOffLPrioPktsL indicates the lower 32 bits of tmnxFPNetIngQgPStOffLPrioPkts.
fpNetIngQgPStUncolOctsOff [Fp Net Ing Qg PSt Uncol Octs Off] (tmnxFPNetIngQgPStUncolOctsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolOctsOff indicates the number of uncolored octets offered to the ingress Pchip.
fpNetIngQgPStUncolOctsOffH [Fp Net Ing Qg PSt Uncol Octs Off H] (tmnxFPNetIngQgPStUncolOctsOffH)	long	The value of tmnxFPNetIngQgPStUncolOctsOffH indicates the higher 32 bits of the value of tmnxFPNetIngQgPStUncolOctsOff.
fpNetIngQgPStUncolOctsOffL [Fp Net Ing Qg PSt Uncol Octs Off L] (tmnxFPNetIngQgPStUncolOctsOffL)	long	The value of tmnxFPNetIngQgPStUncolOctsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolOctsOff.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQgPStUncolPktsOff [Fp Net Ing Qg PSt Uncol Pkts Off] (tmnxFPNetIngQgPStUncolPktsOff)	java. math. BigInteger	The value of tmnxFPNetIngQgPStUncolPktsOff indicates the number of uncolored packets offered to the ingress Pchip.
fpNetIngQgPStUncolPktsOffH [Fp Net Ing Qg PSt Uncol Pkts Off H] (tmnxFPNetIngQgPStUncolPktsOffH)	long	The value of tmnxFPNetIngQgPStUncolPktsOffH indicates the upper 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
fpNetIngQgPStUncolPktsOffL [Fp Net Ing Qg PSt Uncol Pkts Off L] (tmnxFPNetIngQgPStUncolPktsOffL)	long	The value of tmnxFPNetIngQgPStUncolPktsOffL indicates the lower 32 bits of tmnxFPNetIngQgPStUncolPktsOff.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpEvpnRoutes [Bgp Evpn Routes] (vRtrFibStatBGPEvpnRoutes)	long	The value of vRtrFibStatBGPEvpnRoutes indicates the current IPv4 BGP EVPN route counts for the virtual router.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currentUtilization [Current Utilization] (vRtrFibStatCurrentUtilization)	long	The value of vRtrFibStatCurrentUtilization indicates the space usage by IPv4 routes in hardware FIB in percentage.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
filteredRoutes [Filtered Routes] (vRtrFibStatFilteredRoutes)	long	The value of vRtrFibStatFilteredRoutes indicates the total number of IPv4 routes filtered due to selective download and so not installed in hardware FIB.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISIRoutes)	long	vRtrFibStatISIRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space due to IPv4 routes.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
totalInstalledRoutes [Total Installed Routes] (vRtrFibStatTotalInstalledRoutes)	long	The value of vRtrFibStatTotalInstalledRoutes indicates the total number of IPv4 routes installed in hardware FIB.
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGP Routes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6CurrentUtilization [V6 Current Utilization] (vRtrFibStatV6CurrentUtilization)	long	The value of vRtrFibStatV6CurrentUtilization indicates the space usage by IPv6 routes in hardware FIB in percentage.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6FilteredRoutes [V6 Filtered Routes] (vRtrFibStatV6FilteredRoutes)	long	The value of vRtrFibStatV6FilteredRoutes indicates the total number of IPv6 routes filtered due to selective download and so not installed in hardware FIB.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISISRoutes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6Overflows [V6 Overflows] (vRtrFibStatV6Overflows)	long	vRtrFibStatV6Overflows indicates the number of times the FIB has run out of space due to IPv6 routes.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6TotalInstalledRoutes [V6 Total Installed Routes] (vRtrFibStatV6TotalInstalledRt)	long	The value of vRtrFibStatV6TotalInstalledRt indicates the total number of IPv6 routes installed in hardware FIB.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
v6bgpEvpnRoutes [V6 bgp Evpn Routes] (vRtrFibStatV6BGPEvpnRoutes)	long	The value of vRtrFibStatV6BGPEvpnRoutes indicates the current IPv6 BGP EVPN route counts for the virtual router.
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ForwardingPlaneResourceStats</p> <p>MIB entry name: tFPResEntry</p> <p>Entry description: The value of tFPResEntry represents forwarding plane (FP) specific system resource information.</p> <p>Table description (for tFPResTable): The value of tFPResTable represents system resource information that are specific to forwarding plane (FP) for a particular card on a given chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.CardSlot • equipment.ForwardingPlane 		
dynEgrClassAlloc [Dyn Egr Class Alloc] (tFPResDynEgrClassAlloc)	long	The value of tFPResDynEgrClassAlloc represents the total number of QoS dynamic egress classification resources that are currently allocated on this FP.
dynEgrClassIUBNE [Dyn Egr Class IUBNE] (tFPResDynEgrClassIUBNE)	long	The value of tFPResDynEgrClassIUBNE represents the subset of resources which are currently in use by network egress QoS classification out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc. A network egress QoS classification resource is consumed whenever a network QoS policy has at least one egress DSCP or prec classification rule provisioned.
dynEgrClassIUBSE [Dyn Egr Class IUBSE] (tFPResDynEgrClassIUBSE)	long	The value of tFPResDynEgrClassIUBSE represents the subset of resources which are currently in use by sap-egress QoS policies out of currently allocated QoS dynamic egress classification resources, tFPResDynEgrClassAlloc.
dynEgrClassTotal [Dyn Egr Class Total] (tFPResDynEgrClassTotal)	long	The value of tFPResDynEgrClassTotal represents the total number of QoS dynamic egress classification resources that are allowed to be in use on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynPolicerAlloc [Dyn Policer Alloc] (tFPResDynPolicerAlloc)	long	The value of tFPResDynPolicerAlloc represents the total number of dynamic policers that are currently allocated on this FP.
dynPolicerIUBE [Dyn Policer IUBE] (tFPResDynPolicerIUBE)	long	The value of tFPResDynPolicerIUBE represents the subset of resources which are currently in use by egress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerIUBI [Dyn Policer IUBI] (tFPResDynPolicerIUBI)	long	The value of tFPResDynPolicerIUBI represents the subset of resources which are currently in use by ingress policer out of currently allocated dynamic policer resources, tFPResDynPolicerAlloc.
dynPolicerStatAlloc [Dyn Policer Stat Alloc] (tFPResDynPolicerStatAlloc)	long	The value of tFPResDynPolicerStatAlloc represents the total number of dynamic policers stats that are currently allocated on this FP.
dynPolicerStatIUBE [Dyn Policer Stat IUBE] (tFPResDynPolicerStatIUBE)	long	The value of tFPResDynPolicerStatIUBE represents the subset of resources which are currently in use by egress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatIUBI [Dyn Policer Stat IUBI] (tFPResDynPolicerStatIUBI)	long	The value of tFPResDynPolicerStatIUBI represents the subset of resources which are currently in use by ingress policer stats out of currently allocated dynamic policer stats resources, tFPResDynPolicerStatAlloc.
dynPolicerStatTotal [Dyn Policer Stat Total] (tFPResDynPolicerStatTotal)	long	The value of tFPResDynPolicerStatTotal represents the total number of dynamic policer stats that are supported on this FP. When the value of tFPResDynPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
dynPolicerTotal [Dyn Policer Total] (tFPResDynPolicerTotal)	long	The value of tFPResDynPolicerTotal represents the total number of dynamic policer that are supported on this FP. When the value of tFPResDynPolicerTotal is zero, it indicates that this resource type is not supported on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQ2NamedPoolAlloc [Dyn Q2 Named Pool Alloc] (tFPResDynQ2NamedPoolAlloc)	long	The value of tFPResDynQ2NamedPoolAlloc represents the total number of dynamic Q2 named pools that are currently allocated on this FP.
dynQ2NamedPoolIUBE [Dyn Q2 Named Pool IUBE] (tFPResDynQ2NamedPoolIUBE)	long	The value of tFPResDynQ2NamedPoolIUBE represents the subset of resources which are currently in use by egress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolIUBI [Dyn Q2 Named Pool IUBI] (tFPResDynQ2NamedPoolIUBI)	long	The value of tFPResDynQ2NamedPoolIUBI represents the subset of resources which are currently in use by ingress Q2 named pools out of currently allocated dynamic Q2 named pools resources, tFPResDynQ2NamedPoolAlloc.
dynQ2NamedPoolTotal [Dyn Q2 Named Pool Total] (tFPResDynQ2NamedPoolTotal)	long	The value of tFPResDynQ2NamedPoolTotal represents the total number of dynamic Q2 named pools that are supported on this FP. When the value of tFPResDynQ2NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQ2WredPoolAlloc [Dyn Q2 Wred Pool Alloc] (tFPResDynQ2WredPoolAlloc)	long	The value of tFPResDynQ2WredPoolAlloc represents the total number of dynamic Q2 wred pools that are currently allocated on this FP.
dynQ2WredPoolTotal [Dyn Q2 Wred Pool Total] (tFPResDynQ2WredPoolTotal)	long	The value of tFPResDynQ2WredPoolTotal represents the total number of dynamic Q2 wred pools that are supported on this FP. When the value of tFPResDynQ2WredPoolTotal is zero, it indicates that this resource type is not supported on this FP.
dynQueueAlloc [Dyn Queue Alloc] (tFPResDynQueueAlloc)	long	The value of tFPResDynQueueAlloc represents the total number of dynamic queues that are currently allocated on this FP.
dynQueueIUBE [Dyn Queue IUBE] (tFPResDynQueueIUBE)	long	The value of tFPResDynQueueIUBE represents the subset of resources which are currently in use by egress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dynQueueIUBI [Dyn Queue IUBI] (tFPResDynQueueIUBI)	long	The value of tFPResDynQueueIUBI represents the subset of resources which are currently in use by ingress queues out of currently allocated dynamic queue resources, tFPResDynQueueAlloc.
dynQueueTotal [Dyn Queue Total] (tFPResDynQueueTotal)	long	The value of tFPResDynQueueTotal represents the total number of dynamic queues that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
dynSvcEntryAlloc [Dyn Svc Entry Alloc] (tFPResDynSvcEntryAlloc)	long	The value of tFPResDynSvcEntryAlloc represents the total number of dynamic services that are currently allocated on this FP. The value of tFPResDynSvcEntryAlloc will always equal to the sum of tFPResSubHostAlloc, tFPResEncapGrpMemberAlloc and tFPResEgrNetQGrpMapAlloc since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
dynSvcEntryTotal [Dyn Svc Entry Total] (tFPResDynSvcEntryTotal)	long	The value of tFPResDynSvcEntryTotal represents the total number of dynamic services that are supported on this FP. When the value of tFPResDynSvcEntryTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResDynSvcEntryTotal will always equal to the sum of tFPResSubHostTotal, tFPResEncapGrpMemberTotal and tFPResEgrNetQGrpMapTotal since subscriber host resources, encap-group members resources and egress network queue-group mappings resources are subsets of dynamic service entry resources.
egrAclEntryAlloc [Egr Acl Entry Alloc] (tFPResEgrAclEntryAlloc)	long	The value of tFPResEgrAclEntryAlloc represents the total number of egress ACL CAM entries that are currently allocated on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrAclEntryTotal [Egr Acl Entry Total] (tFPResEgrAclEntryTotal)	long	The value of tFPResEgrAclEntryTotal represents the total number of egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrAclFilterAlloc [Egr Acl Filter Alloc] (tFPResEgrAclFilterAlloc)	long	The value of tFPResEgrAclFilterAlloc represents the total number of egress MAC + IP ACL filter policies that are currently allocated on this FP.
egrAclFilterTotal [Egr Acl Filter Total] (tFPResEgrAclFilterTotal)	long	The value of tFPResEgrAclFilterTotal represents the total number of egress MAC + IP ACL filter policies that are supported on this FP. Note that on 7750 SR-c4/c12 the CPM enforced limit for the total number of ACL filter policies is lower than the value of this object.
egrAclQosEntryAlloc [Egr Acl Qos Entry Alloc] (tFPResEgrAclQosEntryAlloc)	long	The value of tFPResEgrAclQosEntryAlloc represents the total number of combined egress ACL and QoS CAM entries that are currently allocated on this FP.
egrAclQosEntryTotal [Egr Acl Qos Entry Total] (tFPResEgrAclQosEntryTotal)	long	The value of tFPResEgrAclQosEntryTotal represents the total number of combined egress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResEgrAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrIPv6AclEntryAlloc [Egr IPv 6 Acl Entry Alloc] (tFPResEgrIPv6AclEntryAlloc)	long	The value of tFPResEgrIPv6AclEntryAlloc represents the total number of IPv6 egress ACL CAM entries that are currently allocated on this FP.
egrIPv6AclEntryTotal [Egr IPv 6 Acl Entry Total] (tFPResEgrIPv6AclEntryTotal)	long	The value of tFPResEgrIPv6AclEntryTotal represents the total number of IPv6 egress ACL CAM entries that are supported on this FP. When the value of tFPResEgrIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrIPv6QosEntryAlloc [Egr IPv 6 Qos Entry Alloc] (tFPResEgrIPv6QosEntryAlloc)	long	The value of tFPResEgrIPv6QosEntryAlloc represents the total number of IPv6 egress QoS CAM entries that are currently allocated on this FP.
egrIPv6QosEntryTotal [Egr IPv 6 Qos Entry Total] (tFPResEgrIPv6QosEntryTotal)	long	The value of tFPResEgrIPv6QosEntryTotal represents the total number of IPv6 egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrNetQGrpMapAlloc [Egr Net QGrp Map Alloc] (tFPResEgrNetQGrpMapAlloc)	long	The value of tFPResEgrNetQGrpMapAlloc represents the total number of egress network queue-group mappings that are currently allocated on this FP. The value of tFPResEgrNetQGrpMapAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since egress network queue-group mappings are subset of dynamic service entry resources.
egrNetQGrpMapTotal [Egr Net QGrp Map Total] (tFPResEgrNetQGrpMapTotal)	long	The value of tFPResEgrNetQGrpMapTotal represents the total number of egress network queue-group mappings that are supported on this FP. When the value of tFPResEgrNetQGrpMapTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEgrNetQGrpMapTotal will always be less than or equal to tFPResDynSvcEntryTotal since egress network queue-group mappings are subset of dynamic service entry resources.
egrPolicerAlloc [Egr Policer Alloc] (tFPResEgrPolicerAlloc)	long	The value of tFPResEgrPolicerAlloc represents the total number of egress policers that are currently allocated on this FP.
egrPolicerStatAlloc [Egr Policer Stat Alloc] (tFPResEgrPolicerStatAlloc)	long	The value of tFPResEgrPolicerStatAlloc represents the total number of egress policer stats that are currently allocated on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrPolicerStatTotal [Egr Policer Stat Total] (tFPResEgrPolicerStatTotal)	long	The value of tFPResEgrPolicerStatTotal represents the total number of egress policer stats that are supported on this FP. When the value of tFPResEgrPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
egrPolicerTotal [Egr Policer Total] (tFPResEgrPolicerTotal)	long	The value of tFPResEgrPolicerTotal represents the total number of egress policers that are supported on this FP. When the value of tFPResEgrPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
egrQ1NamedPoolAlloc [Egr Q1 Named Pool Alloc] (tFPResEgrQ1NamedPoolAlloc)	long	The value of tFPResEgrQ1NamedPoolAlloc represents the total number of egress Q1 named pools that are currently allocated on this FP.
egrQ1NamedPoolTotal [Egr Q1 Named Pool Total] (tFPResEgrQ1NamedPoolTotal)	long	The value of tFPResEgrQ1NamedPoolTotal represents the total number of egress Q1 named pools that are supported on this FP. When the value of tFPResEgrQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
egrQosEntryAlloc [Egr Qos Entry Alloc] (tFPResEgrQosEntryAlloc)	long	The value of tFPResEgrQosEntryAlloc represents the total number of egress QoS CAM entries that are currently allocated on this FP.
egrQosEntryTotal [Egr Qos Entry Total] (tFPResEgrQosEntryTotal)	long	The value of tFPResEgrQosEntryTotal represents the total number of egress QoS CAM entries that are supported on this FP. When the value of tFPResEgrQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
egrQueueAlloc [Egr Queue Alloc] (tFPResEgrQueueAlloc)	long	The value of tFPResEgrQueueAlloc represents the total number of egress queues that are currently allocated on this FP.
egrQueueTotal [Egr Queue Total] (tFPResEgrQueueTotal)	long	The value of tFPResEgrQueueTotal represents the total number of egress queues that are supported on this FP. When the value of tFPResEgrQueueTotal is zero, it indicates that this resource type is not supported on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrRootArbiterAlloc [Egr Root Arbiter Alloc] (tFPResEgrRootArbiterAlloc)	long	The value of tFPResEgrRootArbiterAlloc represents the total number of egress root arbiters that are currently allocated on this FP.
egrRootArbiterTotal [Egr Root Arbiter Total] (tFPResEgrRootArbiterTotal)	long	The value of tFPResEgrRootArbiterTotal represents the total number of egress root arbiters that are supported on this FP. When the value of tFPResEgrRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
encapGrpMemberAlloc [Encap Grp Member Alloc] (tFPResEncapGrpMemberAlloc)	long	The value of tFPResEncapGrpMemberAlloc represents the total number of encap group members that are currently allocated on this FP. The value of tFPResEncapGrpMemberAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since encap group members are subset of dynamic service entry resources.
encapGrpMemberTotal [Encap Grp Member Total] (tFPResEncapGrpMemberTotal)	long	The value of tFPResEncapGrpMemberTotal represents the total number of encap group members that are supported on this FP. When the value of tFPResEncapGrpMemberTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResEncapGrpMemberTotal will always be less than or equal to tFPResDynSvcEntryTotal since encap group members are subset of dynamic service entry resources.
ingAclEntryAlloc [Ing Acl Entry Alloc] (tFPResIngAclEntryAlloc)	long	The value of tFPResIngAclEntryAlloc represents the total number of ingress ACL CAM entries that are currently allocated on this FP.
ingAclEntryTotal [Ing Acl Entry Total] (tFPResIngAclEntryTotal)	long	The value of tFPResIngAclEntryTotal represents the total number of ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngAclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingAclFilterAlloc [Ing Acl Filter Alloc] (tFPResIngAclFilterAlloc)	long	The value of tFPResIngAclFilterAlloc represents the total number of ingress MAC + IP ACL filter policies that are currently allocated on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingAclFilterTotal [Ing Acl Filter Total] (tFPResIngAclFilterTotal)	long	The value of tFPResIngAclFilterTotal represents the total number of ingress MAC + IP ACL filter policies that are supported on this FP. Note that on 7750 SR-c4/c12 the CPM enforced limit for the total number of ACL filter policies is lower than the value of this object.
ingAclQosEntryAlloc [Ing Acl Qos Entry Alloc] (tFPResIngAclQosEntryAlloc)	long	The value of tFPResIngAclQosEntryAlloc represents the total number of combined ingress ACL and QoS CAM entries that are currently allocated on this FP.
ingAclQosEntryTotal [Ing Acl Qos Entry Total] (tFPResIngAclQosEntryTotal)	long	The value of tFPResIngAclQosEntryTotal represents the total number of combined ingress ACL and QoS CAM entries that are supported on this FP. When the value of tFPResIngAclQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6AclEntryAlloc [Ing IPv 6 Acl Entry Alloc] (tFPResIngIPv6AclEntryAlloc)	long	The value of tFPResIngIPv6AclEntryAlloc represents the total number of IPv6 ingress ACL CAM entries that are currently allocated on this FP.
ingIPv6AclEntryTotal [Ing IPv 6 Acl Entry Total] (tFPResIngIPv6AclEntryTotal)	long	The value of tFPResIngIPv6AclEntryTotal represents the total number of IPv6 ingress ACL CAM entries that are supported on this FP. When the value of tFPResIngIPv6AclEntryTotal is zero, it indicates that this resource type is not supported on this FP.
ingIPv6QosEntryAlloc [Ing IPv 6 Qos Entry Alloc] (tFPResIngIPv6QosEntryAlloc)	long	The value of tFPResIngIPv6QosEntryAlloc represents the total number of IPv6 ingress QoS CAM entries that are currently allocated on this FP.
ingIPv6QosEntryTotal [Ing IPv 6 Qos Entry Total] (tFPResIngIPv6QosEntryTotal)	long	The value of tFPResIngIPv6QosEntryTotal represents the total number of IPv6 ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngIPv6QosEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingPolicerAlloc [Ing Policer Alloc] (tFPResIngPolicerAlloc)	long	The value of tFPResIngPolicerAlloc represents the total number of ingress policers that are currently allocated on this FP.
ingPolicerStatAlloc [Ing Policer Stat Alloc] (tFPResIngPolicerStatAlloc)	long	The value of tFPResIngPolicerStatAlloc represents the total number of ingress policer stats that are currently allocated on this FP.
ingPolicerStatTotal [Ing Policer Stat Total] (tFPResIngPolicerStatTotal)	long	The value of tFPResIngPolicerStatTotal represents the total number of ingress policer stats that are supported on this FP. When the value of tFPResIngPolicerStatTotal is zero, it indicates that this resource type is not supported on this FP.
ingPolicerTotal [Ing Policer Total] (tFPResIngPolicerTotal)	long	The value of tFPResIngPolicerTotal represents the total number of ingress policers that are supported on this FP. When the value of tFPResIngPolicerTotal is zero, it indicates that this resource type is not supported on this FP.
ingQ1NamedPoolAlloc [Ing Q1 Named Pool Alloc] (tFPResIngQ1NamedPoolAlloc)	long	The value of tFPResIngQ1NamedPoolAlloc represents the total number of ingress Q1 named pools that are currently allocated on this FP.
ingQ1NamedPoolTotal [Ing Q1 Named Pool Total] (tFPResIngQ1NamedPoolTotal)	long	The value of tFPResIngQ1NamedPoolTotal represents the total number of ingress Q1 named pools that are supported on this FP. When the value of tFPResIngQ1NamedPoolTotal is zero, it indicates that this resource type is not supported on this FP.
ingQosEntryAlloc [Ing Qos Entry Alloc] (tFPResIngQosEntryAlloc)	long	The value of tFPResIngQosEntryAlloc represents the total number of ingress QoS CAM entries that are currently allocated on this FP.
ingQosEntryTotal [Ing Qos Entry Total] (tFPResIngQosEntryTotal)	long	The value of tFPResIngQosEntryTotal represents the total number of ingress QoS CAM entries that are supported on this FP. When the value of tFPResIngQosEntryTotal is zero, it indicates that this resource type is not supported on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingQueueAlloc [Ing Queue Alloc] (tFPResIngQueueAlloc)	long	The value of tFPResIngQueueAlloc represents the total number of ingress queues that are currently allocated on this FP.
ingQueueTotal [Ing Queue Total] (tFPResIngQueueTotal)	long	The value of tFPResIngQueueTotal represents the total number of ingress queues that are supported on this FP. When the value of tFPResIngQueueTotal is zero, it indicates that this resource type is not supported on this FP.
ingRootArbiterAlloc [Ing Root Arbiter Alloc] (tFPResIngRootArbiterAlloc)	long	The value of tFPResIngRootArbiterAlloc represents the total number of ingress root arbiters that are currently allocated on this FP.
ingRootArbiterTotal [Ing Root Arbiter Total] (tFPResIngRootArbiterTotal)	long	The value of tFPResIngRootArbiterTotal represents the total number of ingress root arbiters that are supported on this FP. When the value of tFPResIngRootArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
intArbiterAlloc [Int Arbiter Alloc] (tFPResIntArbiterAlloc)	long	The value of tFPResIntArbiterAlloc represents the total number of intermediate arbiters that are currently allocated on this FP.
intArbiterTotal [Int Arbiter Total] (tFPResIntArbiterTotal)	long	The value of tFPResIntArbiterTotal represents the total number of intermediate arbiters that are supported on this FP. When the value of tFPResIntArbiterTotal is zero, it indicates that this resource type is not supported on this FP.
macFdbRecAlloc [Mac Fdb Rec Alloc] (tFPResMacFdbRecAlloc)	long	The value of tFPResMacFdbRecAlloc represents the total number of MAC Forwarding Data-Base (FDB) records that are currently allocated on this FP.
macFdbRecTotal [Mac Fdb Rec Total] (tFPResMacFdbRecTotal)	long	The value of tFPResMacFdbRecTotal represents the total number of MAC Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResMacFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
resRvplsFdbRecAlloc [Res Rvpls Fdb Rec Alloc] (tFPResResRvplsFdbRecAlloc)	long	The value of tFPResResRvplsFdbRecAlloc represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are currently allocated on this FP.
resRvplsFdbRecTotal [Res Rvpls Fdb Rec Total] (tFPResResRvplsFdbRecTotal)	long	The value of tFPResResRvplsFdbRecTotal represents the total number of reserved R-VPLS Forwarding Data-Base (FDB) records that are supported on this FP. When the value of tFPResResRvplsFdbRecTotal is zero, it indicates that this resource type is not supported on this FP.
sapIngQosPolAlloc [Sap Ing Qos Pol Alloc] (tFPResSapIngQosPolAlloc)	long	The value of tFPResSapIngQosPolAlloc represents the total number of sap-ingress QoS policies that are currently allocated on this FP.
sapIngQosPolTotal [Sap Ing Qos Pol Total] (tFPResSapIngQosPolTotal)	long	The value of tFPResSapIngQosPolTotal represents the total number of sap-ingress QoS policies that are allowed to be in use on this FP.
subHostAlloc [Sub Host Alloc] (tFPResSubHostAlloc)	long	The value of tFPResSubHostAlloc represents the total number of subscriber hosts that are currently allocated on this FP. The value of tFPResSubHostAlloc will always be less than or equal to tFPResDynSvcEntryAlloc since subscriber host resources are subset of dynamic service entry resources.
subHostTotal [Sub Host Total] (tFPResSubHostTotal)	long	The value of tFPResSubHostTotal represents the total number of subscriber hosts that are supported on this FP. When the value of tFPResSubHostTotal is zero, it indicates that this resource type is not supported on this FP. The value of tFPResSubHostTotal will always be less than or equal to tFPResDynSvcEntryTotal since subscriber host resources are subset of dynamic service entry resources.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FpDynamicEnforcementPlcrStat</p> <p>MIB entry name: tmnxFpDcpDynEnfrcPlcrStatEntry</p> <p>Entry description: The value of tmnxFpDcpDynEnfrcPlcrStatEntry represents statistics information per forwarding plane for the dynamic enforcement policer.</p> <p>Table description (for tmnxFpDcpDynEnfrcPlcrStatTable): The tmnxFpDcpDynEnfrcPlcrStatTable has the statistics information of the dynamic enforcement policer per forwarding plane.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.ForwardingPlane</p>		
allocFailCount [Alloc Fail Count] (tmnxFpDcpDynPlcrAllocFailCount)	long	The value of tmnxFpDcpDynPlcrAllocFailCount indicated the number of times the system failed to allocate dynamic enforcement policers.
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
hiWtrMrkHitCnt [Hi Wtr Mrk Hit Cnt] (tmnxFpDcpDynPlcrHiWtrMrkHitCnt)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkHitCnt indicates the maximum number of dynamic enforcement policers in use at any point of time.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hiWtrMrkTime [Hi Wtr Mrk Time] (tmnxFpDcpDynPlcrHiWtrMrkTime)	long	The value of tmnxFpDcpDynPlcrHiWtrMrkTime indicates the time at which maximum number of dynamic enforcement policers was hit.
inUse [In Use] (tmnxFpDcpDynPlcrInUse)	long	The value of tmnxFpDcpDynPlcrInUse indicated the number of dynamic enforcement policers currently in use by the system.
HardwareResourceStats MIB entry name: tmnxHwResourceEntry Entry description: Each tmnxHwResourceEntry row consists of the current resource levels for a particular managed hardware component. Table description (for tmnxHwResourceTable): The tmnxHwResourceTable has an entry for each managed hardware component in the Nokia SROS series system's chassis that supports resource monitoring. Hardware components that do not support resource monitoring will not show up in this table. Rows in this table are created by the agent at initialization and cannot be created or destroyed by SNMP Get or Set requests. Supports realtime plotting Supports scheduled collection Monitored class: equipment.HwEnvironment		
currentAmperage [Current Amperage] (tmnxHwResourceCurrentAmperage)	long	The value of tmnxHwResourceCurrentAmperage indicates the current drawn by the managed hardware component in milli-Amperes (mA).
currentVoltage [Current Voltage] (tmnxHwResourceCurrentVoltage)	long	The value of tmnxHwResourceCurrentVoltage indicates the current voltage use of the managed hardware component in milli-Volts (mV).
maxRequiredWattage [Max Required Wattage] (tmnxHwResourceMaxRequiredWattage)	long	The value of tmnxHwResourceMaxRequiredWattage indicates the maximum possible power consumption for this device. This value is used to determine the amount of system power to reserve in order to safely power up the device.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
minAmperage [Min Amperage] (tmnxHwResourceMinAmperage)	long	The value of tmnxHwResourceMinAmperage indicates the lowest current drawn by the managed hardware component in milli-Amperes (mA) last recorded at the time indicated by tmnxHwResourceMinAmperageTime.
minAmperageTime [Min Amperage Time] (tmnxHwResourceMinAmperageTime)	long	The value of tmnxHwResourceMinAmperageTime indicates the time, since system initialization, that tmnxHwResourceMinAmperage was last updated.
minVoltage [Min Voltage] (tmnxHwResourceMinVoltage)	long	The value of tmnxHwResourceMinVoltage indicates the lowest voltage use of the managed hardware component in milli-Volts (mV) last recorded at the time indicated by tmnxHwResourceMinVoltageTime.
minVoltageTime [Min Voltage Time] (tmnxHwResourceMinVoltageTime)	long	The value of tmnxHwResourceMinVoltageTime indicates the time, since system initialization, that tmnxHwResourceMinVoltage was last updated.
minWattage [Min Wattage] (tmnxHwResourceMinWattage)	long	The value of tmnxHwResourceMinWattage indicates the lowest power use of the managed hardware component in milli-Watts (mW) last recorded at the time indicated by tmnxHwResourceMinWattageTime.
minWattageTime [Min Wattage Time] (tmnxHwResourceMinWattageTime)	long	The value of tmnxHwResourceMinWattageTime indicates the time, since system initialization, that tmnxHwResourceMinWattage was last updated.
peakAmperage [Peak Amperage] (tmnxHwResourcePeakAmperage)	long	The value of tmnxHwResourcePeakAmperage indicates the peak current drawn by the managed hardware component in milli-Amperes (mA) last recorded at the time indicated by tmnxHwResourcePeakAmperageTime.
peakAmperageTime [Peak Amperage Time] (tmnxHwResourcePeakAmperageTime)	long	The value of tmnxHwResourcePeakAmperageTime indicates the time, since system initialization, that tmnxHwResourcePeakAmperage was last updated.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peakVoltage [Peak Voltage] (tmnxHwResourcePeakVoltage)	long	The value of tmnxHwResourcePeakVoltage indicates the peak voltage use of the managed hardware component in milli-Volts (mV) last recorded at the time indicated by tmnxHwResourcePeakVoltageTime.
peakVoltageTime [Peak Voltage Time] (tmnxHwResourcePeakVoltageTime)	long	The value of tmnxHwResourcePeakVoltageTime indicates the time, since system initialization, that tmnxHwResourcePeakVoltage was last updated.
peakWattage [Peak Wattage] (tmnxHwResourcePeakWattage)	long	The value of tmnxHwResourcePeakWattage indicates the peak power use of the managed hardware component in milli-Watts (mW) last recorded at the time indicated by tmnxHwResourcePeakWattageTime.
peakWattageTime [Peak Wattage Time] (tmnxHwResourcePeakWattageTime)	long	The value of tmnxHwResourcePeakWattageTime indicates the time, since system initialization, that tmnxHwResourcePeakWattage was last updated.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: tmnxHwEntry</p> <p>Entry description: Each row entry represents an Nokia SROS series manufactured hardware component. Entries cannot be created and deleted via SNMP SET operations. When an entry is created in one of the card tables, IOM, CPM, Fabric or MDA, a tmnxHwEntry is created for the common hardware management information for that card in that chassis. When the card is removed from the chassis, its corresponding tmnxHwEntry is deleted. The tmnxHwIndex is bitmapped. The tmnxPhysChassisClass is used to indicate a sub-class of a TmnxHwClass type. A value of 0 instead of 'routerChassis (3)' is used to represent router chassis: 32 25 24 17 16 9 8 1 +-----+----- +-----+-----+ TmnxHwClass TmnxPhysChassisClass Slot number +-----+----- +-----+-----+ The Slot field is only used for components on cards in slots. It is zero for all others. The number field starts from 1 and indicates which component. E.g. Power supply 1 or 2.</p> <p>Table description (for tmnxHwTable): The tmnxHwTable has an entry for each managed hardware component in the Nokia SROS series system's chassis. Examples of these hardware component types are IOM, Fabric, and CPM cards, MCM and CCM, and MDA modules. Similar information for physical ports is in the tmnxPortObjs.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (tmnxHwTemperature)	int	The current temperature reading in degrees celsius from this hardware component's temperature sensor. If this component does not contain a temperature sensor, then the value -1 is returned.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IngressPortFwdEngDropReasonStats</p> <p>MIB entry name: tPortIngressFwdEngDRStatsEntry</p> <p>Entry description: The value of tPortIngressFwdEngDRStatsEntry specifies per-reason drop statistics on each port for the packets dropped by the forwarding engine.</p> <p>Table description (for tPortIngressFwdEngDRStatsTable): The value of tPortIngressFwdEngDRStatsTable specifies per-reason drop statistics on each port for the packets dropped by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
aclFilterDiscards [Acl Filter Discards] (tFwdEngDRACLFilterDiscards)	java. math. BigInteger	The value of tFwdEngDRACLFilterDiscards indicates the total number of packets dropped by forwarding engine due to packets dropped by ACL filter on the line card. This does not include packets dropped by CPM filters or ESM antispoof filters.
bfdSpoofCheckFailed [Bfd Spoof Check Failed] (tFwdEngDRBFDSpoofChkFailed)	java. math. BigInteger	The value of tFwdEngDRBFDSpoofChkFailed indicates the total number of packets dropped by forwarding engine due to the received BFD packet either failed the TTL check or failed the source IP address lookup of known sessions.
ipRouteBlackHoled [Ip Route Black Holed] (tFwdEngDRIpRouteBlackHoled)	java. math. BigInteger	The value of tFwdEngDRIpRouteBlackHoled indicates the total number of packets dropped by forwarding engine due to IP address of the packet matching a black hole route.
ipv4HeaderErr [Ipv 4 Header Err] (tFwdEngDRIpv4HeaderError)	java. math. BigInteger	The value of tFwdEngDRIpv4HeaderError indicates the total number of packets dropped by forwarding engine due an error in the IPv4 packet header such as an IPv4 header checksum error, an invalid IP version number (not IPv4 or IPv6) or an incorrect Total Length field.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4InvalidAddr [Ipv 4 Invalid Addr] (tFwdEngDRIPv4InvalidAddress)	java. math. BigInteger	The value of tFwdEngDRIPv4InvalidAddress indicates the total number of packets dropped by forwarding engine due to an error in source (SA) or destination (DA) IPv4 address. Some examples include class D or class E IPv4 DAs, loopback SA (127.0.0.0/8), 0.0.0.0/8 DA, SA is a subnet broadcast or network address, and non-IP traffic arriving on an IP interface that is not a valid L2 protocol for that interface (valid protocols may include ARP, ISIS and PPP control), and cases where the IPv4 address is a multicast address but the ethernet destination address is not RFC1112 compliant. RFC1112 checks are also carried out on IPIPE traffic.
ipv6HeaderErr [Ipv 6 Header Err] (tFwdEngDRIPv6HeaderError)	java. math. BigInteger	The value of tFwdEngDRIPv6HeaderError indicates the total number of packets dropped by forwarding engine due to an error in the IPv6 packet header such as an incorrect payload length field or an IP version not equal to 'IPv6' when the ethernet etype or PPP ID indicates it is IPv6.
ipv6InvalidAddr [Ipv 6 Invalid Addr] (tFwdEngDRIPv6InvalidAddress)	java. math. BigInteger	The value of tFwdEngDRIPv6InvalidAddress indicates the total number of packets dropped by forwarding engine due to error in source (SA) or destination (DA) IPv6 addresses. Some examples include an unspecified IPv6 DA, an IPv6 multicast SA, non-IP traffic arriving on an IP interface or into an IPIPE service that is not a valid L2 protocol for that interface (valid protocols may include ARP, ISIS and PPP control), and cases where the IPv6 address is a multicast address but the ethernet destination address is not RFC2464 compliant. RFC 2464 checks are also carried out on IPIPE traffic.
l2ServiceMTUExceeded [L2 Service MTUExceeded] (tFwdEngDRL2ServiceMTUExceed)	java. math. BigInteger	The value of tFwdEngDRL2ServiceMTUExceed indicates the total number of packets dropped by forwarding engine due to the length of the packet received on a SAP bound to a Layer 2 service (e.g. VPLS, Epipe) exceeded the configured MTU for the service.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multicastMACWithUnicastDestIP [Multicast MACWith Unicast Dest IP] (tFwdEngDRMcastMACUnicastDstIp)	java. math. BigInteger	The value of tFwdEngDRMcastMACUnicastDstIp indicates the total number of packets dropped by forwarding engine due to the destination MAC address being multicast but the IP address is unicast.
needsICMP [Needs ICMP] (tFwdEngDRNeedsICMP)	java. math. BigInteger	The value of tFwdEngDRNeedsICMP indicates the total number of packets dropped by forwarding engine and the received packet requires the router to generate an ICMP message. Some examples include when the IP packet TTL is expired or the destination host, network or Enhanced Subscriber Management (ESM) subscriber is unreachable. Host unreachable can occur, amongst other reasons, if the destination address (e.g. 10.0.1.2) of a packet resolves to a loopback interface subnet (e.g. 10.0.1.1/24) but doesn't match the specific loopback address (e.g. 10.0.1.1). Destination unreachable can also occur, for example, in response to an IPv6 packet received by a router from a point-to-point link (e.g. a non-ethernet link) destined to an address within a subnet assigned to that same link (other than one of the receiving router's own addresses) as described in RFC 4443.
unicastMACDestnAddrMismatch [Unicast MACDestn Addr Mismatch] (tFwdEngDRUcastMACDstAddMismatch)	java. math. BigInteger	The value of tFwdEngDRUcastMACDstAddMismatch indicates the total number of packets dropped by forwarding engine due to the unicast destination MAC address not being present or when it does not match any of the expected MAC addresses associated with the receiving interface. Packets with multicast or broadcast MAC addresses do not increment this counter.
unicastRPFCheckFailed [Unicast RPFCheck Failed] (tFwdEngDRUcastRPFChkFailed)	java. math. BigInteger	The value of tFwdEngDRUcastRPFChkFailed indicates the total number of packets dropped by forwarding engine due to IP packet failed the unicast reverse path forwarding (uRPF) check.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownMACDestnAddrDiscardedInVPLS [Unknown MACDestn Addr Discarded In VPLS] (tFwdEngDRUnkwnMACDstAddDscrd- VPLS)	java. math. BigInte- ger	The value of tFwdEngDRUnkwnMACDstAddDscrdVPLS indicates the total number of packets dropped by forwarding engine due to the destination MAC address lookup in the MAC FIB failed and the VPLS service is configured to discard packets with unknown destination MAC addresses.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>LaneDDMStats MIB entry name: tmnxDDMLaneEntry Entry description: Each row represents a particular multi-lane optic that supports Digital Diagnostic Monitoring Lanes. Entries are created and deleted internally by the system. Table description (for tmnxDDMLaneTable): The tmnxDDMLaneTable has an entry for each multi-lane optic in the system that supports Lane Digital Diagnostic Monitoring (DDM). The table is indexed by tmnxPortPortID and tmnxDDMLaneId. Each row in this table is dynamically added and removed internally by the system based on the presence or absence of DDM capable multi-lane optics. Some example multi-lane optics are : CFP, CFP2, CFP4, QSFP. Supports realtime plotting Supports scheduled collection Monitored class: equipment.LaneDDM</p>		
rxOpticalPower [Rx Optical Power] (tmnxDDMLaneRxOpticalPower)	float	The value of tmnxDDMLaneRxOpticalPower indicates the current Received Optical Power of the multi-lane optic in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
rxOpticalPowerType [Rx Optical Power Type] (tmnxDDMLaneRxOpticalPowerType)	int	The value of tmnxDDMLaneRxOpticalPowerType indicates whether the tmnxDDMLaneRxOpticalPower was taken as an average, or as an Optical Modulation Amplitude (OMA).

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
temperature [Temperature] (tmnxDDMLaneTemperature)	float	The value of tmnxDDMLaneTemperature indicates the current temperature of the multi-lane optic in 1/256th degrees Celsius. The formula for translating between the value of tmnxDDMLaneTemperature and degrees Celsius is: $\text{tmnxDDMLaneTemperature} / 256$ For example: The SNMP value 5734 is 22.4 degrees Celsius.
txBiasCurrent [Tx Bias Current] (tmnxDDMLaneTxBiasCurrent)	float	The value of tmnxDDMLaneTxBiasCurrent indicates the current Transmit Bias Current of the multi-lane optic in 1/500 milliamperes (mA). The formula for translating between the value of tmnxDDMLaneTxBiasCurrent and amperes is: $\text{tmnxDDMLaneTxBiasCurrent} / 500$ For example: The SNMP value 2565 is 5.1 milliamperes (mA).
txOutputPower [Tx Output Power] (tmnxDDMLaneTxOutputPower)	float	The value of tmnxDDMLaneTxOutputPower indicates the current Output Power of the multi-lane optic in one tenths of a microwatt (uW). For example: Using the SNMP value of 790, and using units of tenths of microwatt, 790 becomes 79 microwatts or 0.079 milliwatts. Converting to dBm: $10 \times \log_{10}(0.079) = -11.0$ dBm
MDAResourceStats MIB entry name: tMDAResEntry Entry description: The value of tMDAResEntry represents MDA specific system resource information. Table description (for tMDAResTable): The value of tMDAResTable represents system resource information that are specific to MDA for a particular card on a given chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.DaughterCardSlot		
egrHsmdaQGrpAlloc [Egr Hsmda QGrp Alloc] (tMDAResEgrHsmdaQGrpAlloc)	long	The value of tMDAResEgrHsmdaQGrpAlloc represents the total number of egress HSMDA queue-groups that are currently allocated on this MDA.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrHsmdaQGrpTotal [Egr Hsmda QGrp Total] (tMDAResEgrHsmdaQGrpTotal)	long	The value of tMDAResEgrHsmdaQGrpTotal represents the total number of egress HSMDA queue-groups that are supported on this MDA. When the value of tMDAResEgrHsmdaQGrpTotal is zero, it indicates that this resource type is not supported on this MDA.
egrHsmdaSecShaperAlloc [Egr Hsmda Sec Shaper Alloc] (tMDAResEgrHsmdaSecShaperAlloc)	long	The value of tMDAResEgrHsmdaSecShaperAlloc represents the total number of egress HSMDA secondary-shapers that are currently allocated on this MDA.
egrHsmdaSecShaperTotal [Egr Hsmda Sec Shaper Total] (tMDAResEgrHsmdaSecShaperTotal)	long	The value of tMDAResEgrHsmdaSecShaperTotal represents the total number of egress HSMDA secondary-shapers that are supported on this MDA. When the value of tMDAResEgrHsmdaSecShaperTotal is zero, it indicates that this resource type is not supported on this MDA.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHighCapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUCastHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MemoryUtilizationStats</p> <p>MIB entry name: tmnxCardMemResMonitorEntry</p> <p>Entry description: The tmnxCardMemResMonitorEntry contains the card's memory usage statistics.</p> <p>Table description (for tmnxCardMemResMonitorTable): The tmnxCardMemResMonitorTable details the specified current card's memory resources. The information described in this table is volatile and dependent on the current environmental conditions. Information is only displayed for online cards.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
memoryAvailable [Memory Available] (tmnxCardMemResMemoryAvailable)	long	The value of tmnxCardMemResMemoryAvailable indicates the amount of free memory, in kilobytes, in the card that is not allocated to memory pools, but is available in case a memory pool needs to grow.
memoryUsed [Memory Used] (tmnxCardMemResMemoryUsed)	long	The value of tmnxCardMemResMemoryUsed indicates the total pre-allocated pool memory, in kilobytes, currently in use on the card.
poolsAllocated [Pools Allocated] (tmnxCardMemResPoolsAllocated)	long	The value of tmnxCardMemResPoolsAllocated indicates the total memory, in kilobytes, currently allocated in memory-pools on the card. This memory may or may not be currently in use, but is pre-allocated should the software need to use it.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressAggregateStats</p> <p>MIB entry name: tmnxPortEgrAggStatsEntry</p> <p>Entry description: The value of tmnxPortEgrAggStatsEntry specifies Aggregate Egress traffic statistics for the ports. This entry is created for all the ports that has the value of tmnxPortMonitorAggEgrQueueStats being set to 'enabled (1)'. Table description (for tmnxPortEgrAggStatsTable): The value of tmnxPortEgrAggStatsTable specifies Aggregate Egress traffic statistics for the ports.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
portEgrAggDropInProfOcts [Port Egr Agg Drop In Prof Octs] (tmnxPortEgrAggDropInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggDropInProfOcts indicates the number of conforming aggregate egress octets dropped on this port.
portEgrAggDropInProfPkts [Port Egr Agg Drop In Prof Pkts] (tmnxPortEgrAggDropInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggDropInProfPkts indicates the number of conforming aggregate egress packets dropped on this port.
portEgrAggDropOutProfOcts [Port Egr Agg Drop Out Prof Octs] (tmnxPortEgrAggDropOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggDropOutProfOcts indicates the number of exceeding aggregate egress octets dropped on this port.
portEgrAggDropOutProfPkts [Port Egr Agg Drop Out Prof Pkts] (tmnxPortEgrAggDropOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggDropOutProfPkts indicates the number of exceeding aggregate egress packets dropped on this port.
portEgrAggFwdInProfOcts [Port Egr Agg Fwd In Prof Octs] (tmnxPortEgrAggFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdInProfOcts indicates the number of conforming aggregate egress octets forwarded on this port.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrAggFwdInProfPkts [Port Egr Agg Fwd In Prof Pkts] (tmnxPortEgrAggFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdInProfPkts indicates the number of conforming aggregate egress packets forwarded on this port.
portEgrAggFwdOutProfOcts [Port Egr Agg Fwd Out Prof Octs] (tmnxPortEgrAggFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdOutProfOcts indicates the number of exceeding aggregate egress octets forwarded on this port.
portEgrAggFwdOutProfPkts [Port Egr Agg Fwd Out Prof Pkts] (tmnxPortEgrAggFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrAggFwdOutProfPkts indicates the number of exceeding aggregate egress packets forwarded on this port.
<p>PortEgressMonitorThresholdStats MIB entry name: tPortEgrMonThrEntry Entry description: The value of tPortEgrMonThrEntry represents threshold monitoring information for port scheduler policy specified by tmnxPortEgrPortSchedPly for each ethernet egress port when the value of tmnxPortEgrMonitorPortSched is set to 'enabled (1)'. Table description (for tPortEgrMonThrTable): The value of tPortEgrMonThrTable contains port scheduler policy's threshold monitoring information for each ethernet egress port when the value of tmnxPortEgrMonitorPortSched is set to 'enabled (1)'. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
egrMonThrEndTime [Egr Mon Thr End Time] (tPortEgrMonThrEndTime)	long	The value of tPortEgrMonThrEndTime represents the end time for threshold monitoring.
egrMonThrGrp1ExceedCnt [Egr Mon Thr Grp 1 Exceed Cnt] (tPortEgrMonThrGrp1ExceedCnt)	long	The value of tPortEgrMonThrGrp1ExceedCnt represents the exceed count for group 1 specified by tPortEgrMonThrGrp1Name.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrGrp1Name [Egr Mon Thr Grp 1 Name] (tPortEgrMonThrGrp1Name)	String	The value of tPortEgrMonThrGrp1Name represents port scheduler policy's group name.
egrMonThrGrp2ExceedCnt [Egr Mon Thr Grp 2 Exceed Cnt] (tPortEgrMonThrGrp2ExceedCnt)	long	The value of tPortEgrMonThrGrp2ExceedCnt represents the exceed count for group 2 specified by tPortEgrMonThrGrp2Name.
egrMonThrGrp2Name [Egr Mon Thr Grp 2 Name] (tPortEgrMonThrGrp2Name)	String	The value of tPortEgrMonThrGrp2Name represents port scheduler policy's group name.
egrMonThrGrp3ExceedCnt [Egr Mon Thr Grp 3 Exceed Cnt] (tPortEgrMonThrGrp3ExceedCnt)	long	The value of tPortEgrMonThrGrp3ExceedCnt represents the exceed count for group 3 specified by tPortEgrMonThrGrp3Name.
egrMonThrGrp3Name [Egr Mon Thr Grp 3 Name] (tPortEgrMonThrGrp3Name)	String	The value of tPortEgrMonThrGrp3Name represents port scheduler policy's group name.
egrMonThrGrp4ExceedCnt [Egr Mon Thr Grp 4 Exceed Cnt] (tPortEgrMonThrGrp4ExceedCnt)	long	The value of tPortEgrMonThrGrp4ExceedCnt represents the exceed count for group 4 specified by tPortEgrMonThrGrp4Name.
egrMonThrGrp4Name [Egr Mon Thr Grp 4 Name] (tPortEgrMonThrGrp4Name)	String	The value of tPortEgrMonThrGrp4Name represents port scheduler policy's group name.
egrMonThrGrp5ExceedCnt [Egr Mon Thr Grp 5 Exceed Cnt] (tPortEgrMonThrGrp5ExceedCnt)	long	The value of tPortEgrMonThrGrp5ExceedCnt represents the exceed count for group 5 specified by tPortEgrMonThrGrp5Name.
egrMonThrGrp5Name [Egr Mon Thr Grp 5 Name] (tPortEgrMonThrGrp5Name)	String	The value of tPortEgrMonThrGrp5Name represents port scheduler policy's group name.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrGrp6ExceedCnt [Egr Mon Thr Grp 6 Exceed Cnt] (tPortEgrMonThrGrp6ExceedCnt)	long	The value of tPortEgrMonThrGrp6ExceedCnt represents the exceed count for group 6 specified by tPortEgrMonThrGrp6Name.
egrMonThrGrp6Name [Egr Mon Thr Grp 6 Name] (tPortEgrMonThrGrp6Name)	String	The value of tPortEgrMonThrGrp6Name represents port scheduler policy's group name.
egrMonThrGrp7ExceedCnt [Egr Mon Thr Grp 7 Exceed Cnt] (tPortEgrMonThrGrp7ExceedCnt)	long	The value of tPortEgrMonThrGrp7ExceedCnt represents the exceed count for group 7 specified by tPortEgrMonThrGrp7Name.
egrMonThrGrp7Name [Egr Mon Thr Grp 7 Name] (tPortEgrMonThrGrp7Name)	String	The value of tPortEgrMonThrGrp7Name represents port scheduler policy's group name.
egrMonThrGrp8ExceedCnt [Egr Mon Thr Grp 8 Exceed Cnt] (tPortEgrMonThrGrp8ExceedCnt)	long	The value of tPortEgrMonThrGrp8ExceedCnt represents the exceed count for group 8 specified by tPortEgrMonThrGrp8Name.
egrMonThrGrp8Name [Egr Mon Thr Grp 8 Name] (tPortEgrMonThrGrp8Name)	String	The value of tPortEgrMonThrGrp8Name represents port scheduler policy's group name.
egrMonThrLvl1ExceedCnt [Egr Mon Thr Lvl 1 Exceed Cnt] (tPortEgrMonThrLvl1ExceedCnt)	long	The value of tPortEgrMonThrLvl1ExceedCnt represents the exceed count for priority level 1.
egrMonThrLvl2ExceedCnt [Egr Mon Thr Lvl 2 Exceed Cnt] (tPortEgrMonThrLvl2ExceedCnt)	long	The value of tPortEgrMonThrLvl2ExceedCnt represents the exceed count for priority level 2.
egrMonThrLvl3ExceedCnt [Egr Mon Thr Lvl 3 Exceed Cnt] (tPortEgrMonThrLvl3ExceedCnt)	long	The value of tPortEgrMonThrLvl3ExceedCnt represents the exceed count for priority level 3.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrMonThrLvl4ExceedCnt [Egr Mon Thr Lvl 4 Exceed Cnt] (tPortEgrMonThrLvl4ExceedCnt)	long	The value of tPortEgrMonThrLvl4ExceedCnt represents the exceed count for priority level 4.
egrMonThrLvl5ExceedCnt [Egr Mon Thr Lvl 5 Exceed Cnt] (tPortEgrMonThrLvl5ExceedCnt)	long	The value of tPortEgrMonThrLvl5ExceedCnt represents the exceed count for priority level 5.
egrMonThrLvl6ExceedCnt [Egr Mon Thr Lvl 6 Exceed Cnt] (tPortEgrMonThrLvl6ExceedCnt)	long	The value of tPortEgrMonThrLvl6ExceedCnt represents the exceed count for priority level 6.
egrMonThrLvl7ExceedCnt [Egr Mon Thr Lvl 7 Exceed Cnt] (tPortEgrMonThrLvl7ExceedCnt)	long	The value of tPortEgrMonThrLvl7ExceedCnt represents the exceed count for priority level 7.
egrMonThrLvl8ExceedCnt [Egr Mon Thr Lvl 8 Exceed Cnt] (tPortEgrMonThrLvl8ExceedCnt)	long	The value of tPortEgrMonThrLvl8ExceedCnt represents the exceed count for priority level 8.
egrMonThrPortExceedCnt [Egr Mon Thr Port Exceed Cnt] (tPortEgrMonThrPortExceedCnt)	long	The value of tPortEgrMonThrPortExceedCnt represents the exceed count for egress port scheduler.
egrMonThrStartTime [Egr Mon Thr Start Time] (tPortEgrMonThrStartTime)	long	The value of tPortEgrMonThrStartTime represents the start time for threshold monitoring.
egrMonThrTotalSamples [Egr Mon Thr Total Samples] (tPortEgrMonThrTotalSamples)	long	The value of tPortEgrMonThrTotalSamples represents total samples collected during the threshold monitoring interval.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Nokia SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxlcpCells [Bundle Member Ima Rx lcp Cells] (tmnxBundleMemberImaRxlcpCells)	long	tmnxBundleMemberImaRxlcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxlcpCells [Bundle Member Ima Tx lcp Cells] (tmnxBundleMemberImaTxlcpCells)	long	tmnxBundleMemberImaTxlcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 639 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 640 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessEgrQDepthInfo</p> <p>MIB entry name: tPortAccEgrQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortAccEgrQGrpQDepthInfoEntry represents queue-depth monitoring information for each access egress port queue-group override queue for which the value of tPortAccEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortAccEgrQGrpQDepthInfoTable): The value of tPortAccEgrQGrpQDepthInfoTable has an entry for each access egress port queue-group override queue for which the value of tPortAccEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.AccessEgrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortAccEgrQGrpQDepthAvgElpsdTme)	String	The value of tPortAccEgrQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (tPortAccEgrQGrpQDepthAvgPollInt)	long	The value of tPortAccEgrQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (tPortAccEgrQGrpQDepthPollPrct1)	double	The value of tPortAccEgrQGrpQDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (tPortAccEgrQGrpQDepthPollPrct10)	double	The value of tPortAccEgrQGrpQDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (tPortAccEgrQGrpQDepthPollPrct2)	double	The value of tPortAccEgrQGrpQDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrCnt3 [Depth Poll PrCnt 3] (tPortAccEgrQGrpQDepthPollPrCnt3)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt4 [Depth Poll PrCnt 4] (tPortAccEgrQGrpQDepthPollPrCnt4)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt5 [Depth Poll PrCnt 5] (tPortAccEgrQGrpQDepthPollPrCnt5)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt6 [Depth Poll PrCnt 6] (tPortAccEgrQGrpQDepthPollPrCnt6)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt7 [Depth Poll PrCnt 7] (tPortAccEgrQGrpQDepthPollPrCnt7)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt8 [Depth Poll PrCnt 8] (tPortAccEgrQGrpQDepthPollPrCnt8)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt9 [Depth Poll PrCnt 9] (tPortAccEgrQGrpQDepthPollPrCnt9)	double	The value of tPortAccEgrQGrpQDepthPollPrCnt9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AccessIngrQDepthInfo</p> <p>MIB entry name: tPortAcclngQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortAcclngQGrpQDepthInfoEntry represents queue-depth monitoring information for each access ingress port queue-group override queue for which the value of tPortAcclngQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortAcclngQGrpQDepthInfoTable): The value of tPortAcclngQGrpQDepthInfoTable has an entry for each access ingress port queue-group override queue for which the value of tPortAcclngQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.AccessIngrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortAcclngQGrpQDepthAvgElpsdTme)	String	The value of tPortAcclngQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (tPortAcclngQGrpQDepthAvgPollInt)	long	The value of tPortAcclngQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (tPortAcclngQGrpQDepthPollPrct1)	double	The value of tPortAcclngQGrpQDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (tPortAcclngQGrpQDepthPollPrct10)	double	The value of tPortAcclngQGrpQDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (tPortAcclngQGrpQDepthPollPrct2)	double	The value of tPortAcclngQGrpQDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct3 [Depth Poll Prct 3] (tPortAcclngQGrpQDepthPollPrct3)	double	The value of tPortAcclngQGrpQDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (tPortAcclngQGrpQDepthPollPrct4)	double	The value of tPortAcclngQGrpQDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (tPortAcclngQGrpQDepthPollPrct5)	double	The value of tPortAcclngQGrpQDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (tPortAcclngQGrpQDepthPollPrct6)	double	The value of tPortAcclngQGrpQDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (tPortAcclngQGrpQDepthPollPrct7)	double	The value of tPortAcclngQGrpQDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (tPortAcclngQGrpQDepthPollPrct8)	double	The value of tPortAcclngQGrpQDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (tPortAcclngQGrpQDepthPollPrct9)	double	The value of tPortAcclngQGrpQDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CohOptPortStats</p> <p>MIB entry name: tmnxCohOptPortStatsEntry</p> <p>Entry description: Each row entry includes statistics for a DWDM coherent optical port in the system. Entries cannot be created or deleted via SNMP SET operations.</p> <p>Table description (for tmnxCohOptPortStatsTable): The tmnxCohOptPortStatsTable contains statistics information for DWDM coherent optical ports in the Nokia SROS system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
cohOptPortRxBER [Coh Opt Port Rx BER] (tmnxCohOptPortRxBER)	long	The value of tmnxCohOptPortRxBER indicates the RX Bit Error Rate (BER) since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERAvg [Coh Opt Port Rx BERAvg] (tmnxCohOptPortRxBERAvg)	long	The value of tmnxCohOptPortRxBERAvg indicates the RX average BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMax [Coh Opt Port Rx BERMax] (tmnxCohOptPortRxBERMax)	long	The value of tmnxCohOptPortRxBERMax indicates the RX maximum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxBERMin [Coh Opt Port Rx BERMin] (tmnxCohOptPortRxBERMin)	long	The value of tmnxCohOptPortRxBERMin indicates the RX minimum BER since the last port statistics clear, represented as an IEEE 754 32-bit floating point number.
cohOptPortRxChromaticDisp [Coh Opt Port Rx Chromatic Disp] (tmnxCohOptPortRxChromaticDisp)	long	The value of tmnxCohOptPortRxChromaticDisp indicates the RX chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispAvg [Coh Opt Port Rx Chromatic Disp Avg] (tmnxCohOptPortRxChromaticDispAvg)	long	The value of tmnxCohOptPortRxChromaticDispAvg indicates the RX average chromatic dispersion since the last port statistics clear.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxChromaticDispMax [Coh Opt Port Rx Chromatic Disp Max] (tmnxCohOptPortRxChromaticDispMax)	long	The value of tmnxCohOptPortRxChromaticDispMax indicates the RX maximum chromatic dispersion since the last port statistics clear.
cohOptPortRxChromaticDispMin [Coh Opt Port Rx Chromatic Disp Min] (tmnxCohOptPortRxChromaticDispMin)	long	The value of tmnxCohOptPortRxChromaticDispMin indicates the RX minimum chromatic dispersion since the last port statistics clear.
cohOptPortRxDiffGrpDly [Coh Opt Port Rx Diff Grp Dly] (tmnxCohOptPortRxDiffGrpDly)	long	The value of tmnxCohOptPortRxDiffGrpDly indicates the RX differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyAvg [Coh Opt Port Rx Diff Grp Dly Avg] (tmnxCohOptPortRxDiffGrpDlyAvg)	long	The value of tmnxCohOptPortRxDiffGrpDlyAvg indicates the RX average differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMax [Coh Opt Port Rx Diff Grp Dly Max] (tmnxCohOptPortRxDiffGrpDlyMax)	long	The value of tmnxCohOptPortRxDiffGrpDlyMax indicates the RX maximum differential group delay since the last port statistics clear.
cohOptPortRxDiffGrpDlyMin [Coh Opt Port Rx Diff Grp Dly Min] (tmnxCohOptPortRxDiffGrpDlyMin)	long	The value of tmnxCohOptPortRxDiffGrpDlyMin indicates the RX minimum differential group delay since the last port statistics clear.
cohOptPortRxFreqOffset [Coh Opt Port Rx Freq Offset] (tmnxCohOptPortRxFreqOffset)	long	The value of tmnxCohOptPortRxFreqOffset indicates the RX frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetAvg [Coh Opt Port Rx Freq Offset Avg] (tmnxCohOptPortRxFreqOffsetAvg)	long	The value of tmnxCohOptPortRxFreqOffsetAvg indicates the RX average frequency offset since the last port statistics clear.
cohOptPortRxFreqOffsetMax [Coh Opt Port Rx Freq Offset Max] (tmnxCohOptPortRxFreqOffsetMax)	long	The value of tmnxCohOptPortRxFreqOffsetMax indicates the RX maximum frequency offset since the last port statistics clear.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxFreqOffsetMin [Coh Opt Port Rx Freq Offset Min] (tmnxCohOptPortRxFreqOffsetMin)	long	The value of tmnxCohOptPortRxFreqOffsetMin indicates the RX minimum frequency offset since the last port statistics clear.
cohOptPortRxFreqPower [Coh Opt Port Rx Power] (tmnxCohOptPortRxFreqPower)	float	The value of tmnxCohOptPortRxFreqPower indicates the RX optical power since the last port statistics clear.
cohOptPortRxFreqPowerAvg [Coh Opt Port Rx Power Avg] (tmnxCohOptPortRxFreqPowerAvg)	float	The value of tmnxCohOptPortRxFreqPowerAvg indicates the RX average optical power since the last port statistics clear.
cohOptPortRxFreqPowerMax [Coh Opt Port Rx Power Max] (tmnxCohOptPortRxFreqPowerMax)	float	The value of tmnxCohOptPortRxFreqPowerMax indicates the RX maximum optical power since the last port statistics clear.
cohOptPortRxFreqPowerMin [Coh Opt Port Rx Power Min] (tmnxCohOptPortRxFreqPowerMin)	float	The value of tmnxCohOptPortRxFreqPowerMin indicates the RX minimum optical power since the last port statistics clear.
cohOptPortRxQ [Coh Opt Port Rx Q] (tmnxCohOptPortRxQ)	long	The value of tmnxCohOptPortRxQ indicates the RX Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQAvg [Coh Opt Port Rx QAvg] (tmnxCohOptPortRxQAvg)	long	The value of tmnxCohOptPortRxQAvg indicates the RX average Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMax [Coh Opt Port Rx QMax] (tmnxCohOptPortRxQMax)	long	The value of tmnxCohOptPortRxQMax indicates the RX maximum Q since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxQMin [Coh Opt Port Rx QMin] (tmnxCohOptPortRxQMin)	long	The value of tmnxCohOptPortRxQMin indicates the RX minimum Q since the last port statistics clear, represented in tenths of a dB.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cohOptPortRxSNR [Coh Opt Port Rx SNR] (tmnxCohOptPortRxSNR)	long	The value of tmnxCohOptPortRxSNR indicates the RX Signal-to-Noise Ratio (SNR) since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRAvg [Coh Opt Port Rx SNRAvg] (tmnxCohOptPortRxSNRAvg)	long	The value of tmnxCohOptPortRxSNRAvg indicates the RX average SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMax [Coh Opt Port Rx SNRMax] (tmnxCohOptPortRxSNRMax)	long	The value of tmnxCohOptPortRxSNRMax indicates the RX maximum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortRxSNRMin [Coh Opt Port Rx SNRMin] (tmnxCohOptPortRxSNRMin)	long	The value of tmnxCohOptPortRxSNRMin indicates the RX minimum SNR since the last port statistics clear, represented in tenths of a dB.
cohOptPortStatsElapsedSec [Coh Opt Port Stats Elapsed Sec] (tmnxCohOptPortStatsElapsedSec)	long	The value of tmnxCohOptPortStatsElapsedSec indicates the number of elapsed seconds since the start of coherent optical stats collection after the last port statistics clear.
cohOptPortTxPower [Coh Opt Port Tx Power] (tmnxCohOptPortTxPower)	float	The value of tmnxCohOptPortTxPower indicates the TX optical power since the last port statistics clear.
cohOptPortTxPowerAvg [Coh Opt Port Tx Power Avg] (tmnxCohOptPortTxPowerAvg)	float	The value of tmnxCohOptPortTxPowerAvg indicates the TX average optical power since the last port statistics clear.
cohOptPortTxPowerMax [Coh Opt Port Tx Power Max] (tmnxCohOptPortTxPowerMax)	float	The value of tmnxCohOptPortTxPowerMax indicates the TX maximum optical power since the last port statistics clear.
cohOptPortTxPowerMin [Coh Opt Port Tx Power Min] (tmnxCohOptPortTxPowerMin)	float	The value of tmnxCohOptPortTxPowerMin indicates the TX minimum optical power since the last port statistics clear.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>NetworkEgrQDepthInfo</p> <p>MIB entry name: tPortNetEgrQGrpQDepthInfoEntry</p> <p>Entry description: The value of tPortNetEgrQGrpQDepthInfoEntry represents queue-depth monitoring information for each network egress port queue-group override queue for which the value of tPortNetEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Table description (for tPortNetEgrQGrpQDepthInfoTable): The value of tPortNetEgrQGrpQDepthInfoTable has an entry for each network egress port queue-group override queue for which the value of tPortNetEgrQOverMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (tPortNetEgrQGrpQDepthAvgElpsdTme)	String	The value of tPortNetEgrQGrpQDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (tPortNetEgrQGrpQDepthAvgPollInt)	long	The value of tPortNetEgrQGrpQDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (tPortNetEgrQGrpQDepthPollPrct1)	double	The value of tPortNetEgrQGrpQDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (tPortNetEgrQGrpQDepthPollPrct10)	double	The value of tPortNetEgrQGrpQDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrCnt2 [Depth Poll PrCnt 2] (tPortNetEgrQGrpQDepthPollPrCnt2)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt3 [Depth Poll PrCnt 3] (tPortNetEgrQGrpQDepthPollPrCnt3)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt4 [Depth Poll PrCnt 4] (tPortNetEgrQGrpQDepthPollPrCnt4)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt5 [Depth Poll PrCnt 5] (tPortNetEgrQGrpQDepthPollPrCnt5)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt6 [Depth Poll PrCnt 6] (tPortNetEgrQGrpQDepthPollPrCnt6)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt7 [Depth Poll PrCnt 7] (tPortNetEgrQGrpQDepthPollPrCnt7)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt8 [Depth Poll PrCnt 8] (tPortNetEgrQGrpQDepthPollPrCnt8)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrCnt9 [Depth Poll PrCnt 9] (tPortNetEgrQGrpQDepthPollPrCnt9)	double	The value of tPortNetEgrQGrpQDepthPollPrCnt9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OtulfStats</p> <p>MIB entry name: tmnxOtulfRawStatsEntry</p> <p>Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable.</p> <p>Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).
fecUas [Fec Uas] (tmnxOtulfRawStatsFECUAS)	long	The value of tmnxOtulfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECCorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsOFFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.
ofSmBip8 [Of Sm Bip 8] (tmnxOtuIfRawStatsOF SMBIP8)	long	The value of tmnxOtuIfRawStatsOF SMBIP8 indicates the number of times the tmnxOtuIfRawStatsSMBIP8 overflowed.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBei [Pm Bei] (tmnxOtuIfRawStatsPMBEI)	long	The value of tmnxOtuIfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtuIfRawStatsPMBIP8)	long	The value of tmnxOtuIfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtuIfRawStatsPMES)	long	The value of tmnxOtuIfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtuIfRawStatsPMSES)	long	The value of tmnxOtuIfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtuIfRawStatsPMUAS)	long	The value of tmnxOtuIfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtuIfRawStatsPPJ)	long	The value of tmnxOtuIfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtuIfRawStatsSMBEI)	long	The value of tmnxOtuIfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.
smBip8 [Sm Bip 8] (tmnxOtuIfRawStatsSMBIP8)	long	The value of tmnxOtuIfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smEs [Sm Es] (tmnxOtuIfRawStatsSMES)	long	The value of tmnxOtuIfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtuIfRawStatsSMSES)	long	The value of tmnxOtuIfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtuIfRawStatsSMUAS)	long	The value of tmnxOtuIfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. In release 11.0, tPortAccEgrQGrpInstanceld is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortEgrQosQStatTable. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressExpShaperHLStats</p> <p>MIB entry name: tPortEgrExpShaperStatsHLEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsHLEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsHLTable): The tPortEgrExpShaperStatsHLTable contains the statistics of each egress expanded shaper at the port level configured on this system represented in higher 32 and lower 32 bit objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOctsH [Port Egr Exp Shaper Agg St Fwd Octs H] (tPortEgrExpShaperAggStFwdOctsH)	long	The value of tPortEgrExpShaperAggStFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdOctsL [Port Egr Exp Shaper Agg St Fwd Octs L] (tPortEgrExpShaperAggStFwdOctsL)	long	The value of tPortEgrExpShaperAggStFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdPktsH [Port Egr Exp Shaper Agg St Fwd Pkts H] (tPortEgrExpShaperAggStFwdPktsH)	long	The value of tPortEgrExpShaperAggStFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperAggStFwdPktsL [Port Egr Exp Shaper Agg St Fwd Pkts L] (tPortEgrExpShaperAggStFwdPktsL)	long	The value of tPortEgrExpShaperAggStFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperCls1StFwdOctsH [Port Egr Exp Shaper Cls 1 St Fwd Octs H] (tPortEgrExpShaperCls1StFwdOctsH)	long	The value of tPortEgrExpShaperCls1StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.
portEgrExpShaperCls1StFwdOctsL [Port Egr Exp Shaper Cls 1 St Fwd Octs L] (tPortEgrExpShaperCls1StFwdOctsL)	long	The value of tPortEgrExpShaperCls1StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdPktsH [Port Egr Exp Shaper Cls 1 St Fwd Pkts H] (tPortEgrExpShaperCls1StFwdPktsH)	long	The value of tPortEgrExpShaperCls1StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls1StFwdPktsL [Port Egr Exp Shaper Cls 1 St Fwd Pkts L] (tPortEgrExpShaperCls1StFwdPktsL)	long	The value of tPortEgrExpShaperCls1StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls2StFwdOctsH [Port Egr Exp Shaper Cls 2 St Fwd Octs H] (tPortEgrExpShaperCls2StFwdOctsH)	long	The value of tPortEgrExpShaperCls2StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdOcts.
portEgrExpShaperCls2StFwdOctsL [Port Egr Exp Shaper Cls 2 St Fwd Octs L] (tPortEgrExpShaperCls2StFwdOctsL)	long	The value of tPortEgrExpShaperCls2StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdOcts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls3StFwdOctsH [Port Egr Exp Shaper Cls 3 St Fwd Octs H] (tPortEgrExpShaperCls3StFwdOctsH)	long	The value of tPortEgrExpShaperCls3StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdOcts.
portEgrExpShaperCls3StFwdOctsL [Port Egr Exp Shaper Cls 3 St Fwd Octs L] (tPortEgrExpShaperCls3StFwdOctsL)	long	The value of tPortEgrExpShaperCls3StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdOcts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdOctsH [Port Egr Exp Shaper Cls 6 St Fwd Octs H] (tPortEgrExpShaperCls6StFwdOctsH)	long	The value of tPortEgrExpShaperCls6StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdOctsL [Port Egr Exp Shaper Cls 6 St Fwd Octs L] (tPortEgrExpShaperCls6StFwdOctsL)	long	The value of tPortEgrExpShaperCls6StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdPktsH [Port Egr Exp Shaper Cls 6 St Fwd Pkts H] (tPortEgrExpShaperCls6StFwdPktsH)	long	The value of tPortEgrExpShaperCls6StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls6StFwdPktsL [Port Egr Exp Shaper Cls 6 St Fwd Pkts L] (tPortEgrExpShaperCls6StFwdPktsL)	long	The value of tPortEgrExpShaperCls6StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls7StFwdOctsH [Port Egr Exp Shaper Cls 7 St Fwd Octs H] (tPortEgrExpShaperCls7StFwdOctsH)	long	The value of tPortEgrExpShaperCls7StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdOctsL [Port Egr Exp Shaper Cls 7 St Fwd Octs L] (tPortEgrExpShaperCls7StFwdOctsL)	long	The value of tPortEgrExpShaperCls7StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdPktsH [Port Egr Exp Shaper Cls 7 St Fwd Pkts H] (tPortEgrExpShaperCls7StFwdPktsH)	long	The value of tPortEgrExpShaperCls7StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls7StFwdPktsL [Port Egr Exp Shaper Cls 7 St Fwd Pkts L] (tPortEgrExpShaperCls7StFwdPktsL)	long	The value of tPortEgrExpShaperCls7StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls8StFwdOctsH [Port Egr Exp Shaper Cls 8 St Fwd Octs H] (tPortEgrExpShaperCls8StFwdOctsH)	long	The value of tPortEgrExpShaperCls8StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls8StFwdOctsL [Port Egr Exp Shaper Cls 8 St Fwd Octs L] (tPortEgrExpShaperCls8StFwdOctsL)	long	The value of tPortEgrExpShaperCls8StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.
portEgrExpShaperCls8StFwdPktsH [Port Egr Exp Shaper Cls 8 St Fwd Pkts H] (tPortEgrExpShaperCls8StFwdPktsH)	long	The value of tPortEgrExpShaperCls8StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
portEgrExpShaperCls8StFwdPktsL [Port Egr Exp Shaper Cls 8 St Fwd Pkts L] (tPortEgrExpShaperCls8StFwdPktsL)	long	The value of tPortEgrExpShaperCls8StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
<p>PortEgressExpShaperStats</p> <p>MIB entry name: tPortEgrExpShaperStatsEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsTable): The tPortEgrExpShaperStatsTable contains the statistics of each egress expanded shaper at the port level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrExpShaperStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOcts [Port Egr Exp Shaper Agg St Fwd Octs] (tPortEgrExpShaperAggStFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdOcts indicates the aggregate number of octets forwarded by all of the classes of this egress expanded shaper.
portEgrExpShaperAggStFwdPkts [Port Egr Exp Shaper Agg St Fwd Pkts] (tPortEgrExpShaperAggStFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdPkts indicates the aggregate number of packets forwarded by all of the classes of this egress expanded shaper.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdOcts [Port Egr Exp Shaper Cls 1 St Fwd Octs] (tPortEgrExpShaperCls1StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdOcts indicates the number of octets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StFwdPkts [Port Egr Exp Shaper Cls 1 St Fwd Pkts] (tPortEgrExpShaperCls1StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdPkts indicates the number of packets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StMonOvrOct [Port Egr Exp Shaper Cls 1 St Mon Ovr Oct] (tPortEgrExpShaperCls1StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '1' egress expanded shaper.
portEgrExpShaperCls2StFwdOcts [Port Egr Exp Shaper Cls 2 St Fwd Octs] (tPortEgrExpShaperCls2StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdOcts indicates the number of octets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StFwdPkts [Port Egr Exp Shaper Cls 2 St Fwd Pkts] (tPortEgrExpShaperCls2StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdPkts indicates the number of packets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StMonOvrOct [Port Egr Exp Shaper Cls 2 St Mon Ovr Oct] (tPortEgrExpShaperCls2StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '2' egress expanded shaper.
portEgrExpShaperCls3StFwdOcts [Port Egr Exp Shaper Cls 3 St Fwd Octs] (tPortEgrExpShaperCls3StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdOcts indicates the number of octets forwarded by the class '3' egress expanded shaper.
portEgrExpShaperCls3StFwdPkts [Port Egr Exp Shaper Cls 3 St Fwd Pkts] (tPortEgrExpShaperCls3StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdPkts indicates the number of packets forwarded by the class '3' egress expanded shaper.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StMonOvrOct [Port Egr Exp Shaper Cls 3 St Mon Ovr Oct] (tPortEgrExpShaperCls3StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '3' egress expanded shaper.
portEgrExpShaperCls4StFwdOcts [Port Egr Exp Shaper Cls 4 St Fwd Octs] (tPortEgrExpShaperCls4StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdOcts indicates the number of octets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StFwdPkts [Port Egr Exp Shaper Cls 4 St Fwd Pkts] (tPortEgrExpShaperCls4StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdPkts indicates the number of packets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StMonOvrOct [Port Egr Exp Shaper Cls 4 St Mon Ovr Oct] (tPortEgrExpShaperCls4StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '4' egress expanded shaper.
portEgrExpShaperCls5StFwdOcts [Port Egr Exp Shaper Cls 5 St Fwd Octs] (tPortEgrExpShaperCls5StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdOcts indicates the number of octets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StFwdPkts [Port Egr Exp Shaper Cls 5 St Fwd Pkts] (tPortEgrExpShaperCls5StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdPkts indicates the number of packets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StMonOvrOct [Port Egr Exp Shaper Cls 5 St Mon Ovr Oct] (tPortEgrExpShaperCls5StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '5' egress expanded shaper.
portEgrExpShaperCls6StFwdOcts [Port Egr Exp Shaper Cls 6 St Fwd Octs] (tPortEgrExpShaperCls6StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdOcts indicates the number of octets forwarded by the class '6' egress expanded shaper.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdPkts [Port Egr Exp Shaper Cls 6 St Fwd Pkts] (tPortEgrExpShaperCls6StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdPkts indicates the number of packets forwarded by the class '6' egress expanded shaper.
portEgrExpShaperCls6StMonOvrOct [Port Egr Exp Shaper Cls 6 St Mon Ovr Oct] (tPortEgrExpShaperCls6StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '6' egress expanded shaper.
portEgrExpShaperCls7StFwdPkts [Port Egr Exp Shaper Cls 7 St Fwd Pkts] (tPortEgrExpShaperCls7StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdPkts indicates the number of packets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StFwdOcts [Port Egr Exp Shaper Cls 7 St Fwd Octs] (tPortEgrExpShaperCls7StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdOcts indicates the number of octets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StMonOvrOct [Port Egr Exp Shaper Cls 7 St Mon Ovr Oct] (tPortEgrExpShaperCls7StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '7' egress expanded shaper.
portEgrExpShaperCls8StFwdPkts [Port Egr Exp Shaper Cls 8 St Fwd Pkts] (tPortEgrExpShaperCls8StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdPkts indicates the number of packets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StFwdOcts [Port Egr Exp Shaper Cls 8 St Fwd Octs] (tPortEgrExpShaperCls8StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdOcts indicates the number of octets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StMonOvrOct [Port Egr Exp Shaper Cls 8 St Mon Ovr Oct] (tPortEgrExpShaperCls8StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '8' egress expanded shaper.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of forwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of forwarded packets by the egress queue group arbiter Pchip.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat</p> <p>MIB entry name: tPortNetEgrQGrpPStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port.</p> <p>Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpExdProfOcts [Port Net Egr QGrp PSt Drp Exd Prof Octs] (tPortNetEgrQGrpPStDrpExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpExdProfOcts indicates the number of exceed-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStDrpExdProfPkts [Port Net Egr QGrp PSt Drp Exd Prof Pkts] (tPortNetEgrQGrpPStDrpExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpExdProfPkts indicates the number of exceed-profile packets discarded by the egress Pchip.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInPlusProfOcts [Port Net Egr QGrp PSt Drp In Plus Prof Octs] (tPortNetEgrQGrpPStDrpInPProfOcts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStDrpInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStDrpInPlusProfPkts [Port Net Egr QGrp PSt Drp In Plus Prof Pkts] (tPortNetEgrQGrpPStDrpInPProfPkts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStDrpInPProfPkts indicates the number of inplus-profile packets discarded by the egress Pchip.
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdExdProfOcts [Port Net Egr QGrp PSt Fwd Exd Prof Octs] (tPortNetEgrQGrpPStFwdExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdExdProfOcts indicates the number of exceed-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdExdProfPkts [Port Net Egr QGrp PSt Fwd Exd Prof Pkts] (tPortNetEgrQGrpPStFwdExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdExdProfPkts indicates the number of exceed-profile packets forwarded by the egress Pchip.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdInPlusProfOcts [Port Net Egr QGrp PSt Fwd In Plus Prof Octs] (tPortNetEgrQGrpPStFwdInPProfOcts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInPProfOcts indicates the number of inplus-profile octets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInPlusProfPkts [Port Net Egr QGrp PSt Fwd In Plus Prof Pkts] (tPortNetEgrQGrpPStFwdInPProfPkts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInPProfPkts indicates the number of inplus-profile packets forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffExdProfOcts [Port Net Egr QGrp PSt Off Exd Prof Octs] (tPortNetEgrQGrpPStOffExdProfOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffExdProfOcts indicates the number of exceed-profile octets offered by the egress Pchip.
portNetEgrQGrpPStOffExdProfPkts [Port Net Egr QGrp PSt Off Exd Prof Pkts] (tPortNetEgrQGrpPStOffExdProfPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffExdProfPkts indicates the number of exceed-profile packets offered by the egress Pchip.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInPlusProfOcts [Port Net Egr QGrp PSt Off In Plus Prof Octs] (tPortNetEgrQGrpPStOffInPProfOcts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInPProfOcts indicates the number of inplus-profile octets offered by the egress Pchip.
portNetEgrQGrpPStOffInPlusProfPkts [Port Net Egr QGrp PSt Off In Plus Prof Pkts] (tPortNetEgrQGrpPStOffInPProfPkts)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInPProfPkts indicates the number of inplus-profile packets offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInte- ger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgrQueueStat</p> <p>MIB entry name: tmnxPortNetEgrQStatEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstanceId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable.</p> <p>Table description (for tmnxPortNetEgrQStatTable): Defines the Nokia SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>WaveLengthTrackerStats</p> <p>MIB entry name: tmnxWaveTrackerEntry</p> <p>Entry description: Each row entry represents a Wave Tracker capable port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. The tmnxWaveTrackerEntry contains attributes that are unique to the Wave Tracker capable ports.</p> <p>Table description (for tmnxWaveTrackerTable): The tmnxWaveTrackerTable has an entry for each Wavelength Tracker port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.WaveLengthTracker</p>		

Table 640 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetPower [Target Power] (tmnxWaveTrackerTargetPower)	float	The value of tmnxWaveTrackerTargetPower specifies the desired average output power of the interface's transmitted optical signal when tmnxWaveTrackerPowerCtrlEnable is set to 'true (1)'. The UNITS millibels (mBm) are units of 0.01 decibel relative to one milliwatt (0 dBm) or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerLowerPowerMargin [Wave Tracker Lower Power Margin] (tmnxWaveTrackerLowerPowerMargin)	float	tmnxWaveTrackerLowerPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be decreased. The UNITS mBm are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.
waveTrackerMeasuredPower [Wave Tracker Measured Power] (tmnxWaveTrackerMeasuredPower)	float	tmnxWaveTrackerMeasuredPower indicates the current average output power of the interface's transmitted optical signal. The UNITS mBm are units of 0.01 dBm or dBm multiplied by 100. The mBm is used when integers are required instead of floating point. For example: -5.21 dBm is equivalent to -521 mBm.
waveTrackerUpperPowerMargin [Wave Tracker Upper Power Margin] (tmnxWaveTrackerUpperPowerMargin)	float	tmnxWaveTrackerUpperPowerMargin indicates how much the average output power of the interface's transmitted optical signal can be increased. The UNITS millibels (mB) are units of 0.01 dB or dB multiplied by 100. The mB is used when integers are required instead of floating point. For example: 5.21 dB is equivalent to 521 mB.

Table 641 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmDmmBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmBinEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmBinEntry contains the per-bin DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayDmmTable. If the tmnxOamPmStsDelayDmmTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayDmmTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmBinTable): tmnxOamPmStsDelayDmmBinTable contains the per-bin DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmBin</p>		
delayDmmBinBwdCount [Delay Dmm Bin Bwd Count] (tmnxOamPmStsDelayDmmBinBwdCount)	long	The value of tmnxOamPmStsDelayDmmBinBwdCount indicates the number of measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the backward direction in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmmBinFwdCount [Delay Dmm Bin Fwd Count] (tmnxOamPmStsDelayDmmBinFwdCount)	long	The value of tmnxOamPmStsDelayDmmBinFwdCount indicates the number of measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of DMM measurements (in microseconds) in the forward direction in the first interval of 'dmmSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayDmmBinNum [Delay Dmm Bin Num] (tmnxOamPmStsDelayDmmBinNum)	long	The value of tmnxOamPmStsDelayDmmBinNum specifies the bin number of the statistics to be read.
delayDmmBintwoyCount [Delay Dmm Bintwoy Count] (tmnxOamPmStsDelayDmmBin2wyCount)	long	The value of tmnxOamPmStsDelayDmmBin2wyCount indicates the number of two-way measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'dmmSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of two-way DMM measurements (in microseconds) in the first interval of 'dmmSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmDmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayDmmEntry</p> <p>Entry description: tmnxOamPmStsDelayDmmEntry contains the summarized DMM (Delay Measurement Message) statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'dmm(1)', three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a test is running, the DMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all the raw DMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayDmmTable): tmnxOamPmStsDelayDmmTable contains the summarized DMM (Delay Measurement Message) statistics for OAM Performance Monitoring Measurement Interval Data Sets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmDmmSession</p>		
delayDmm2wyAvg [Delay Dmm 2 wy Avg] (tmnxOamPmStsDelayDmm2wyAvg)	long	The value of tmnxOamPmStsDelayDmm2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayDmm2wyMax [Delay Dmm 2 wy Max] (tmnxOamPmStsDelayDmm2wyMax)	long	The value of tmnxOamPmStsDelayDmm2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmm2wyMin [Delay Dmm 2 wy Min] (tmnxOamPmStsDelayDmm2wyMin)	long	The value of tmnxOamPmStsDelayDmm2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdAvg [Delay Dmm Bwd Avg] (tmnxOamPmStsDelayDmmBwdAvg)	long	The value of tmnxOamPmStsDelayDmmBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMax [Delay Dmm Bwd Max] (tmnxOamPmStsDelayDmmBwdMax)	long	The value of tmnxOamPmStsDelayDmmBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmBwdMin [Delay Dmm Bwd Min] (tmnxOamPmStsDelayDmmBwdMin)	long	The value of tmnxOamPmStsDelayDmmBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdAvg [Delay Dmm Fwd Avg] (tmnxOamPmStsDelayDmmFwdAvg)	long	The value of tmnxOamPmStsDelayDmmFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMax [Delay Dmm Fwd Max] (tmnxOamPmStsDelayDmmFwdMax)	long	The value of tmnxOamPmStsDelayDmmFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayDmmFwdMin [Delay Dmm Fwd Min] (tmnxOamPmStsDelayDmmFwdMin)	long	The value of tmnxOamPmStsDelayDmmFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmGlobalOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmGlobalOpcodeEntry</p> <p>Entry description: A Global Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmGlobalOpcodeTable): tmnxDot1agCfmGlobalOpcodeTable consists of global statistics that are kept in the receive and transmit direction on the node for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmGlobalOpcode</p>		
globalOpcode [Global Opcode] (tmnxDot1agCfmGlobalOpcode)	int	Integer that defines which CFM PDU Opcode the statistics refer to.
globalOpcodeRx [Global Opcode Rx] (tmnxDot1agCfmGlobalOpcodeRx)	long	The total number of PDUs received on the node with the specified Opcode.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
globalOpcodeTx [Global Opcode Tx] (tmnxDot1agCfmGlobalOpcodeTx)	long	The total number of PDUs transmitted from the node with the specified Opcode.
<p>CfmLmmSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossLmmEntry</p> <p>Entry description: tmnxOamPmStsLossLmmEntry contains the LMM test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmStsBaseTable row is created with tmnxOamPmStsBaseTestType = 'lmm(4)'. A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. The following objects are modelled after the MEF-35 loss parameters defined for Synthetic Loss Measurement (SLM) tests: tmnxOamPmStsLossLmmAvailIndBwd, tmnxOamPmStsLossLmmAvailIndFwd, tmnxOamPmStsLossLmmChliBwd, tmnxOamPmStsLossLmmChliFwd, tmnxOamPmStsLossLmmHliBwd, tmnxOamPmStsLossLmmHliFwd, tmnxOamPmStsLossLmmUnavIndBwd, and tmnxOamPmStsLossLmmUnavIndFwd. Hence, the REFERENCE text for this object is a MEF-35 SLM section. The value of tmnxOamPmCfgLossLmmAvAdminStatus controls the value of several objects in this table. See the tmnxOamPmCfgLossLmmAvAdminStatus DESCRIPTION clause for more information. When a test is running, the LMM statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros all raw LMM statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossLmmTable): tmnxOamPmStsLossLmmTable contains the frame loss statistics for OAM Performance Monitoring LMM (Loss Measurement Message) tests.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmLmmSession</p>		
pmLmmAvailIndBwd [Pm Lmm Avail Ind Bwd] (tmnxOamPmStsLossLmmAvailIndBwd)	long	The value of tmnxOamPmStsLossLmmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmLmmAvailIndFwd [Pm Lmm Avail Ind Fwd] (tmnxOamPmStsLossLmmAvailIndFwd)	long	The value of tmnxOamPmStsLossLmmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmAvgFlrBwd [Pm Lmm Avg Flr Bwd] (tmnxOamPmStsLossLmmAvgFlrBwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmAvgFlrFwd [Pm Lmm Avg Flr Fwd] (tmnxOamPmStsLossLmmAvgFlrFwd)	long	The value of tmnxOamPmStsLossLmmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmChliBwd [Pm Lmm Chli Bwd] (tmnxOamPmStsLossLmmChliBwd)	long	The value of tmnxOamPmStsLossLmmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmLmmChliFwd [Pm Lmm Chli Fwd] (tmnxOamPmStsLossLmmChliFwd)	long	The value of tmnxOamPmStsLossLmmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmLmmHliBwd [Pm Lmm Hli Bwd] (tmnxOamPmStsLossLmmHliBwd)	long	The value of tmnxOamPmStsLossLmmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmLmmHliFwd [Pm Lmm Hli Fwd] (tmnxOamPmStsLossLmmHliFwd)	long	The value of tmnxOamPmStsLossLmmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmLmmMaxFlrBwd [Pm Lmm Max Flr Bwd] (tmnxOamPmStsLossLmmMaxFlrBwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmMaxFlrFwd [Pm Lmm Max Flr Fwd] (tmnxOamPmStsLossLmmMaxFlrFwd)	long	The value of tmnxOamPmStsLossLmmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrBwd [Pm Lmm Min Flr Bwd] (tmnxOamPmStsLossLmmMinFlrBwd)	long	The value of tmnxOamPmStsLossLmmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmMinFlrFwd [Pm Lmm Min Flr Fwd] (tmnxOamPmStsLossLmmMinFlrFwd)	long	The value of tmnxOamPmStsLossLmmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set. This value is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxBwd [Pm Lmm Rx Bwd] (tmnxOamPmStsLossLmmRxBwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmRxBwd indicates the number of service frames received in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmRxFwd [Pm Lmm Rx Fwd] (tmnxOamPmStsLossLmmRxFwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmRxFwd indicates the number of service frames received in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxBwd [Pm Lmm Tx Bwd] (tmnxOamPmStsLossLmmTxBwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmTxBwd indicates the number of service frames transmitted in the backward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.
pmLmmTxFwd [Pm Lmm Tx Fwd] (tmnxOamPmStsLossLmmTxFwd)	java. math. BigInteger	The value of tmnxOamPmStsLossLmmTxFwd indicates the number of service frames transmitted in the forward direction for the specified measurement interval data set. This counter is computed using the procedures in Y.1731 Section 8.1.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUnavailIndBwd [Pm Lmm Unavail Ind Bwd] (tmnxOamPmStsLossLmmUnavailIndBwd)	long	The value of tmnxOamPmStsLossLmmUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmLmmUnavailIndFwd [Pm Lmm Unavail Ind Fwd] (tmnxOamPmStsLossLmmUnavailIndFwd)	long	The value of tmnxOamPmStsLossLmmUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmLmmUndtAvlBwd [Pm Lmm Undt Avl Bwd] (tmnxOamPmStsLossLmmUndtAvlBwd)	long	The value of tmnxOamPmStsLossLmmUndtAvlBwd indicates the number of availability indicators evaluated as Undetermined Available, in the backward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the availability indicator is Undetermined Available because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Available).
pmLmmUndtAvlFwd [Pm Lmm Undt Avl Fwd] (tmnxOamPmStsLossLmmUndtAvlFwd)	long	The value of tmnxOamPmStsLossLmmUndtAvlFwd indicates the number of availability indicators evaluated as Undetermined Available, in the forward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the availability indicator is Undetermined Available because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Available).

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUndtDeltaBwd [Pm Lmm Undt Delta Bwd] (tmnxOamPmStsLossLmmUndetDelTsBwd)	long	The value of tmnxOamPmStsLossLmmUndetDelTsBwd indicates the number of undetermined MEF-35 'delta_t's (also known as 'Small Time Intervals') for the backward direction for the specified measurement interval data set. An undetermined delta_t occurs when no Loss Measurement Reply (LMR) PDUs are received during the time interval. This counter is incremented because of a problem with the data path, or because the MEF-35 delta_t for this test is too short. delta_t is configured using tmnxOamPmCfgLossLmmInterval and tmnxOamPmCfgLossLmmTxFrmsPerDelT.
pmLmmUndtDeltaFwd [Pm Lmm Undt Delta Fwd] (tmnxOamPmStsLossLmmUndetDelTsFwd)	long	The value of tmnxOamPmStsLossLmmUndetDelTsFwd indicates the number of undetermined MEF-35 'delta_t's (also known as 'Small Time Intervals') for the forward direction for the specified measurement interval data set. An undetermined delta_t occurs when no Loss Measurement Reply (LMR) PDUs are received during the time interval. This counter is incremented because of a problem with the data path, or because the MEF-35 delta_t for this test is too short. delta_t is configured using tmnxOamPmCfgLossLmmInterval and tmnxOamPmCfgLossLmmTxFrmsPerDelT.
pmLmmUndtUnavlBwd [Pm Lmm Undt Unavl Bwd] (tmnxOamPmStsLossLmmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossLmmUndtUnavlBwd indicates the number of availability indicators evaluated as Undetermined Unavailable, in the backward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the availability indicator is Undetermined Unavailable because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Unavailable).

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmLmmUndtUnaviFwd [Pm Lmm Undt Unavi Fwd] (tmnxOamPmStsLossLmmUndtUnaviFwd)	long	The value of tmnxOamPmStsLossLmmUndtUnaviFwd indicates the number of availability indicators evaluated as Undetermined Unavailable, in the forward direction. This counter is incremented when: 1. It is time to calculate an availability indicator, and 2. No Loss Measurement Replies (LMRs) have been received within the availability window, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the availability indicator is Undetermined Unavailable because: 1. No information is available to indicate if the problem is in the forward direction or the backward direction, and 2. We extrapolate from the previous state (i.e. Unavailable).
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>CfmMepOpcodeStats</p> <p>MIB entry name: tmnxDot1agCfmMepOpcodeEntry</p> <p>Entry description: A Mep Opcode Stats Table entry.</p> <p>Table description (for tmnxDot1agCfmMepOpcodeTable): tmnxDot1agCfmMepOpcodeTable consists of statistics that are kept in the receive and transmit direction on a MEP for each CFM PDU Opcode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmMepOpcode</p>		
mepOpcode [Mep Opcode] (tmnxDot1agCfmMepOpcode)	int	The value of tmnxDot1agCfmMepOpcode specifies the CFM PDU Opcode to which the statistics refer.
mepOpcodeRx [Mep Opcode Rx] (tmnxDot1agCfmMepOpcodeRx)	long	The total number of PDUs received on the MEP with the specified Opcode.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mepOpcodeTx [Mep Opcode Tx] (tmnxDot1agCfmMepOpcodeTx)	long	The total number of PDUs transmitted from the MEP with the specified Opcode.
CfmPacketCountStats MIB entry name: tmnxDot1agCfmGlobalPacketStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
globalAisTxActive [Global Ais Tx Active] (tmnxDot1agCfmGlobalAisTxActive)	long	The value of tmnxDot1agCfmGlobalAisTxActive indicates the number of sessions where fault (AIS or other) is actively being transmitted.
globalAisTxFail [Global Ais Tx Fail] (tmnxDot1agCfmGlobalAisTxFail)	long	The value of tmnxDot1agCfmGlobalAisTxFail indicates the number of sessions where fault (AIS or other) can't be transmitted due to lack of resources.
globalPacketDiscard [Global Packet Discard] (tmnxDot1agCfmGlobalPacketDiscard)	long	The value of tmnxDot1agCfmGlobalPacketDiscard indicates the number of packets discarded by ETH-CFM. A packet may be discarded for several reasons including, but not limited to, malformed PDU, invalid TLVs, MEP admin down, etc.
globalPacketDropped [Global Packet Dropped] (tmnxDot1agCfmGlobalPacketDropped)	long	The value of tmnxDot1agCfmGlobalPacketDropped indicates the number of packets dropped by ETH-CFM. A packet is dropped because of resource contention.
globalPacketRxCount [Global Packet Rx Count] (tmnxDot1agCfmGlobalPacketRxCount)	long	The value of tmnxDot1agCfmGlobalPacketRxCount indicates the number of received ETH-CFM packets.
globalPacketTxCount [Global Packet Tx Count] (tmnxDot1agCfmGlobalPacketTxCount)	long	The value of tmnxDot1agCfmGlobalPacketTxCount indicates the number of transmitted ETH-CFM packets.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmSlmSessionStats</p> <p>MIB entry name: tmnxOamPmStsBaseEntry</p> <p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p> <p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmSlmSession</p>		

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmSlmAvailIndBwd [Pm Slm Avail Ind Bwd] (tmnxOamPmStsLossSlmAvailIndBwd)	long	The value of tmnxOamPmStsLossSlmAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmSlmAvailIndFwd [Pm Slm Avail Ind Fwd] (tmnxOamPmStsLossSlmAvailIndFwd)	long	The value of tmnxOamPmStsLossSlmAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmSlmAvgFlrBwd [Pm Slm Avg Flr Bwd] (tmnxOamPmStsLossSlmAvgFlrBwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmAvgFlrFwd [Pm Slm Avg Flr Fwd] (tmnxOamPmStsLossSlmAvgFlrFwd)	float	The value of tmnxOamPmStsLossSlmAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmChliBwd [Pm Slm Chli Bwd] (tmnxOamPmStsLossSlmChliBwd)	long	The value of tmnxOamPmStsLossSlmChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmSlmChliFwd [Pm Slm Chli Fwd] (tmnxOamPmStsLossSlmChliFwd)	long	The value of tmnxOamPmStsLossSlmChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmSlmHliBwd [Pm Slm Hli Bwd] (tmnxOamPmStsLossSlmHliBwd)	long	The value of tmnxOamPmStsLossSlmHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmHliFwd [Pm Slm Hli Fwd] (tmnxOamPmStsLossSlmHliFwd)	long	The value of tmnxOamPmStsLossSlmHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.
pmSlmMaxFlrBwd [Pm Slm Max Flr Bwd] (tmnxOamPmStsLossSlmMaxFlrBwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMaxFlrFwd [Pm Slm Max Flr Fwd] (tmnxOamPmStsLossSlmMaxFlrFwd)	float	The value of tmnxOamPmStsLossSlmMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmMinFlrBwd [Pm Slm Min Flr Bwd] (tmnxOamPmStsLossSlmMinFlrBwd)	float	The value of tmnxOamPmStsLossSlmMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmSlmMinFlrFwd [Pm Slm Min Flr Fwd] (tmnxOamPmStsLossSlmMinFlrFwd)	float	The value of tmnxOamPmStsLossSlmMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmSlmRxBwd [Pm Slm Rx Bwd] (tmnxOamPmStsLossSlmRxBwd)	long	The value of tmnxOamPmStsLossSlmRxBwd indicates the number of SLR reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmSlmRxFwd [Pm Slm Rx Fwd] (tmnxOamPmStsLossSlmRxFwd)	long	The value of tmnxOamPmStsLossSlmRxFwd indicates the number of SLM request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmTxBwd [Pm Slm Tx Bwd] (tmnxOamPmStsLossSlmTxBwd)	long	The value of tmnxOamPmStsLossSlmTxBwd indicates the number of SLR reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmTxFwd [Pm Slm Tx Fwd] (tmnxOamPmStsLossSlmTxFwd)	long	The value of tmnxOamPmStsLossSlmTxFwd indicates the number of SLM request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the SLM Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmSlmUnavailIndBwd [Pm Slm Unavail Ind Bwd] (tmnxOamPmStsLossSlmUnavlIndBwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmSlmUnavailIndFwd [Pm Slm Unavail Ind Fwd] (tmnxOamPmStsLossSlmUnavlIndFwd)	long	The value of tmnxOamPmStsLossSlmUnavlIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmSlmUndtAvlBwd [Pm Slm Undt Avl Bwd] (tmnxOamPmStsLossSlmUndtAvlBwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmSlmUndtAvlFwd [Pm Slm Undt Avl Fwd] (tmnxOamPmStsLossSlmUndtAvlFwd)	long	The value of tmnxOamPmStsLossSlmUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlBwd [Pm Slm Undt Unavl Bwd] (tmnxOamPmStsLossSlmUndtUnavlBwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmSlmUndtUnavlFwd [Pm Slm Undt Unavl Fwd] (tmnxOamPmStsLossSlmUndtUnavlFwd)	long	The value of tmnxOamPmStsLossSlmUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OamSysPerfStats MIB entry name: tmnxOamGeneralStats Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
currentNumberOfSAATests [Current Number Of SAATests] (tmnxOamSysSessionCount)	long	The value of tmnxOamSysSessionCount indicates the number of currently allocated sessions in the OAM general session pool. A test with one of the following test types allocates a session from the OAM general session pool: 1. Filter redirect policy ping test. 2. SDP keep-alive. 3. Static route CPE check. 4. VRRP policy host unreachable ping test. 5. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 6. Any test configured using TIMETRA-OAM-PM-MIB. 7. Background ICMP Bridged Residential Gateway ping test. A session is allocated from the OAM general session pool when a test is configured (in the case of some test types) or activated (in the remaining cases). The session is freed when the test is deactivated or deleted. tmnxOamSysSessionCount will not exceed tmnxOamSysSessionLimit. Configuration or activation of a test (with a test type listed above) will fail when tmnxOamSysSessionCount equals tmnxOamSysSessionLimit.
currentTxRateForContinousTests [Current Tx Rate For Continous Tests] (tmnxOamSysPerfCfgTotalTx)	long	The value of tmnxOamSysPerfCfgTotalTx indicates this node's current total configured echo request packet transmission rate, for the set of tests listed in the tmnxOamSysPerfCfgLimitTx DESCRIPTION clause. For example, suppose: a) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and b) several SAA continuous tests are enabled, totalling 2000 echo request packets per second, and c) no other relevant tests are enabled. Then, tmnxOamSysPerfCfgTotalTx will have the value 3000. The value of tmnxOamSysPerfCfgTotalTx will not exceed the value of tmnxOamSysPerfCfgLimitTx.

Table 641 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lastClearStatsTime [Last Clear Stats Time] (tmnxOamSysPerfLastClearedTime)	long	The value of tmnxOamSysPerfLastClearedTime indicates the sysUpTime when the following statistics were cleared: tmnxOamSysPerfLocalTestTx, tmnxOamSysPerfRemoteTestRx, and tmnxOamSysPerfReqTypeTable. If the statistics have not been cleared since the last CPM restart, zero is returned. A packet count which is time stamped by this object can be converted to an average packets per second value using, for example, pps = tmnxOamSysPerfLocalTestTx / [(sysUpTime - tmnxOamSysPerfLastClearedTime)/100].
maxNumberOfSAATests [Max Number Of SAATests] (tmnxOamSysSessionLimit)	long	The value of tmnxOamSysSessionLimit indicates the maximum number of sessions in the OAM general session pool. OAM general session pool sessions are allocated and freed as described in the tmnxOamSysSessionCount DESCRIPTION clause.
maxTxRateForAllOamTests [Max Tx Rate For All Oam Tests] (tmnxOamSysPerfOprLimitTx)	long	The value of tmnxOamSysPerfOprLimitTx indicates this node's upper bound on the total echo request packet transmission rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following test types: 1. Background ICMP Bridged Residential Gateway ping test. 2. Filter redirect policy ping test. 3. SDP keep-alive. 4. Static route CPE check. 5. VRRP policy host unreachable ping test. 6. Any OAM or SAA test configured using TIMETRA-OAM-TEST-MIB. 7. Any test configured using TIMETRA-OAM-PM-MIB.

Table 641 ethernetOam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
maxTxRateForContinuousTests [Max Tx Rate For Continuous Tests] (tmnxOamSysPerfCfgLimitTx)	long	The value of tmnxOamSysPerfCfgLimitTx indicates this node's upper bound on the total configured echo request packet transmission rate for a set of test types. The upper bound is enforced to avoid echo request packet transmit overload, i.e. to ensure each enabled test can transmit echo request packets at the test's configured rate. Echo reply packets are not affected by this limit. The upper bound applies to echo request packets sent by the following 'always on' test types: 1. Background ICMP Bridged Residential Gateway ping test. 2. Filter redirect policy ping test. 3. SDP keep-alive. 4. Static route CPE check. 5. VRRP policy host unreachable ping test. 6. SAA continuous test (see tmnxOamSaaCtlContinuous). 7. OAM-PM proactive test (see TIMETRA-OAM-PM-MIB::tmnxOamPmCfgSessType). For example, suppose: a) tmnxOamSysPerfCfgLimitTx has the value 4000 echo request packets per second, and b) several SDP keep-alive sessions are enabled, totalling 1000 echo request packets per second, and c) several SAA continuous tests are enabled, totalling 3000 echo request packets per second. Then, an attempt to enable an additional SAA continuous test would be rejected with a 'resourceUnavailable(13)' error.
totalNumberOfEchoRequestPacketsReceived [Total Number Of Echo Request Packets Received] (tmnxOamSysPerfRemoteTestRx)	long	The value of tmnxOamSysPerfRemoteTestRx indicates this node's total number of echo request packets received from remotely initiated tests (since the last clear).
totalNumberOfEchoRequestPacketsTransmitted [Total Number Of Echo Request Packets Transmitted] (tmnxOamSysPerfLocalTestTx)	long	The value of tmnxOamSysPerfLocalTestTx indicates this node's total number of echo request packets transmitted by locally initiated tests (since the last clear). The test types are listed in the tmnxOamSysPerfOprLimitTx DESCRIPTION clause.

Table 642 gmplsuni statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: vRtrGmplsPeerStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for GMPLS peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrGmplsPeerStatTable): The vRtrGmplsPeerStatTable contains statistics for GMPLS peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gmplsuni.Peer</p>		
rxAcks [Rx Acks] (vRtrGmplsPeerRxAcks)	java. math. BigInteger	The value of vRtrGmplsPeerRxAcks indicates the total number of RSVP ACK messages that have been received on this RSVP interface when refresh reduction is enabled.
rxBadPktCount [Rx Bad Pkt Count] (vRtrGmplsPeerRxBadPktCount)	java. math. BigInteger	The value of vRtrGmplsPeerRxBadPktCount indicates the total number of bad packets received by this GMPLS Peer.
rxHello [Rx Hello] (vRtrGmplsPeerRxHello)	java. math. BigInteger	The value of vRtrGmplsPeerRxHello indicates the number of RSVP HELLO messages received by this GMPLS Peer.
rxNotify [Rx Notify] (vRtrGmplsPeerRxNotify)	java. math. BigInteger	The value of vRtrGmplsPeerRxNotify indicates the total number of notification messages received by this GMPLS Peer.
rxPathErr [Rx Path Err] (vRtrGmplsPeerRxPathErr)	java. math. BigInteger	The value of vRtrGmplsPeerRxPathErr indicates the total number of RSVP PATH ERROR messages that have been received by this GMPLS Peer.

Table 642 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPathTear [Rx Path Tear] (vRtrGmplsPeerRxPathTear)	java. math. BigInteger	The value of vRtrGmplsPeerRxPathTear indicates the number of RSVP PATH TEAR messages that have been received from this GMPLS Peer.
rxPaths [Rx Paths] (vRtrGmplsPeerRxPaths)	java. math. BigInteger	The value of vRtrGmplsPeerRxPaths indicates the total number of RSVP PATH messages that have been received by this GMPLS Peer.
rxResv [Rx Resv] (vRtrGmplsPeerRxResv)	java. math. BigInteger	The value of vRtrGmplsPeerRxResv indicates the total number of RSVP RESV messages that have been received by this GMPLS Peer.
rxResvTear [Rx Resv Tear] (vRtrGmplsPeerRxResvTear)	java. math. BigInteger	The value of vRtrGmplsPeerRxResvTear indicates the total number of RSVP RESV TEAR messages that have been received by this GMPLS Peer.
rxSRefreshes [Rx SRefreshes] (vRtrGmplsPeerRxSRefreshes)	java. math. BigInteger	The value of vRtrGmplsPeerRxSRefreshes indicates the total number of summary refresh, SREFRESH, messages that have been received on this RSVP interface.
txAcks [Tx Acks] (vRtrGmplsPeerTxAcks)	java. math. BigInteger	The value of vRtrGmplsPeerTxAcks indicates the total number of RSVP ACK messages that have been transmitted on this RSVP interface when refresh reduction is enabled.
txHello [Tx Hello] (vRtrGmplsPeerTxHello)	java. math. BigInteger	The value of vRtrGmplsPeerTxHello indicates the number of RSVP HELLO messages transmitted by this GMPLS Peer.
txNotify [Tx Notify] (vRtrGmplsPeerTxNotify)	java. math. BigInteger	The value of vRtrGmplsPeerTxNotify indicates the total number of notification messages transmitted by this GMPLS Peer.

Table 642 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txPathErr [Tx Path Err] (vRtrGmplsPeerTxPathErr)	java. math. BigInteger	The value of vRtrGmplsPeerTxPathErr indicates the total number of RSVP PATH ERROR messages that have been transmitted by this GMPLS Peer.
txPathTear [Tx Path Tear] (vRtrGmplsPeerTxPathTear)	java. math. BigInteger	The value of vRtrGmplsPeerTxPathTear indicates the number of RSVP PATH TEAR messages that have been transmitted from this GMPLS Peer.
txPaths [Tx Paths] (vRtrGmplsPeerTxPaths)	java. math. BigInteger	The value of vRtrGmplsPeerTxPaths indicates the total number of RSVP PATH messages that have been transmitted by this GMPLS Peer.
txResv [Tx Resv] (vRtrGmplsPeerTxResv)	java. math. BigInteger	The value of vRtrGmplsPeerTxResv indicates the total number of RSVP RESV messages that have been transmitted by this GMPLS Peer.
txResvTear [Tx Resv Tear] (vRtrGmplsPeerTxResvTear)	java. math. BigInteger	The value of vRtrGmplsPeerTxResvTear indicates the total number of RSVP RESV TEAR messages that have been transmitted from this GMPLS Peer.
txSRefreshes [Tx SRefreshes] (vRtrGmplsPeerTxSRefreshes)	java. math. BigInteger	The value of vRtrGmplsPeerTxSRefreshes indicates the total number of summary refresh, SREFRESH, messages that have been transmitted on this RSVP interface.

Table 642 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrGmplsSessionStatsEntry</p> <p>Entry description: Each row entry represents statistics for a session of the GMPLS protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the GMPLS protocol establishes a session. The entry is destroyed when the GMPLS session is removed.</p> <p>Table description (for vRtrGmplsSessionStatsTable): The vRtrGmplsSessionStatsTable contains objects for reporting statistics for the sessions associated with the GMPLS protocol running in a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gmplsuni.Session</p>		
rxPath [Rx Path] (vRtrGmplsSessStatRxPaths)	java. math. BigInteger	The value of vRtrGmplsSessStatRxPaths indicates the total number of PATH messages received for this GMPLS session.
rxResv [Rx Resv] (vRtrGmplsSessStatRxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatRxResv indicates the total number of RESV messages received for this GMPLS session.
summRxPath [Summ Rx Path] (vRtrGmplsSessStatSummRxPath)	java. math. BigInteger	The value of vRtrGmplsSessStatSummRxPath indicates the total number of summary PATH messages received.
summRxResv [Summ Rx Resv] (vRtrGmplsSessStatSummRxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatSummRxResv indicates the total number of summary RESV messages received.
summTxPath [Summ Tx Path] (vRtrGmplsSessStatSummTxPath)	java. math. BigInteger	The value of vRtrGmplsSessStatSummTxPath indicates the total number of summary PATH messages transmitted.

Table 642 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
summTxResv [Summ Tx Resv] (vRtrGmplsSessStatSummTxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatSummTxResv indicates the total number of summary RESV messages transmitted.
txPath [Tx Path] (vRtrGmplsSessStatTxPaths)	java. math. BigInteger	The value of vRtrGmplsSessStatTxPaths indicates the total number of PATH messages transmitted for this GMPLS sessio.
txResv [Tx Resv] (vRtrGmplsSessStatTxResv)	java. math. BigInteger	The value of vRtrGmplsSessStatTxResv indicates the total number of RESV messages transmitted for this GMPLS session.
<p>SiteStats</p> <p>MIB entry name: vRtrGmplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the GMPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrGmplsGeneralStatTable): The vRtrGmplsGeneralStatTable contains statistics for a GMPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: gmplsuni.Site</p>		
protectPathOriginate [Protect Path Originate] (vRtrGmplsGenProtectPathOriginate)	long	The value of vRtrGmplsGenProtectPathOriginate indicates the number of protect path LSPs that originate at this virtual router.
protectPathTerminate [Protect Path Terminate] (vRtrGmplsGenProtectPathTerminate)	long	The value of vRtrGmplsGenProtectPathTerminate indicates the number of protect path LSPs that terminate at this virtual router.

Table 642 gmplsuni statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
workingPathOriginate [Working Path Originate] (vRtrGmplsGenWorkingPathOriginate)	long	The value of vRtrGmplsGenWorkingPathOriginate indicates the number of working path LSPs that originate at this virtual router.

Table 643 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
importPolicyDrops [Import Policy Drops] (vRtrIgmplfImportPolicyDrops)	long	The value of vRtrIgmplfImportPolicyDrops indicates the total number of times IGMP protocol instance matched the host IP address or group/source addresses specified in the import policy vRtrIgmplfImportPolicy.
mcacPolicyDrops [Mcac Policy Drops] (vRtrIgmplfStatsMcacPolicyDrops)	long	The value of the object vRtrIgmplfStatsMcacPolicyDrops indicates the number times an IGMP Group is dropped because of applying a multicast CAC policy on this interface.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrIgmplfRxBadChecksumPkts)	long	The value of vRtrIgmplfRxBadChecksumPkts indicates the total number of IGMP packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrIgmplfRxBadEncodings)	long	The value of vRtrIgmplfRxBadEncodings indicates the total number of IGMP packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrIgmplfRxBadLenPkts)	long	The value of vRtrIgmplfRxBadLenPkts indicates the total number of IGMP packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrIgmplfRxBadReceiveIfPkts)	long	The value of vRtrIgmplfRxBadReceiveIfPkts indicates the total number of IGMP packets incorrectly received on this interface.

Table 643 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGenQueries [Rx Gen Queries] (vRtrIgmplfRxGenQueries)	long	The value of vRtrIgmplfRxGenQueries indicates the total number of IGMP General Queries received on this interface.
rxGrpQueries [Rx Grp Queries] (vRtrIgmplfRxGrpQueries)	long	The value of vRtrIgmplfRxGrpQueries indicates the number of IGMP Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrIgmplfRxGrpSrcQueries)	long	The value of vRtrIgmplfRxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrIgmplfRxLeaves)	long	The value of vRtrIgmplfRxLeaves indicates the total number of IGMP V2 Leaves received on this interface.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrIgmplfRxNoRtrAlertPkts)	long	The value of vRtrIgmplfRxNoRtrAlertPkts indicates the total number of IGMPv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrIgmplfRxNonLocal)	long	The value of vRtrIgmplfRxNonLocal indicates the total number of IGMP packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrIgmplfRxPktDrops)	long	The value of vRtrIgmplfRxPktDrops indicates the total number of IGMP packets that were received on this interface but were dropped.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrIgmplfRxUnknownTypePkts)	long	The value of vRtrIgmplfRxUnknownTypePkts indicates the total number of IGMP packets with unknown type received on this interface.
rxV1Reports [Rx V1 Reports] (vRtrIgmplfRxV1Reports)	long	The value of vRtrIgmplfRxV1Reports indicates the total number of IGMP V1 Reports received on this interface.

Table 643 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV2Reports [Rx V2 Reports] (vRtrIgmplfRxV2Reports)	long	The value of vRtrIgmplfRxV2Reports indicates the total number of IGMP V2 Reports received on this interface.
rxV3Reports [Rx V3 Reports] (vRtrIgmplfRxV3Reports)	long	The value of vRtrIgmplfRxV3Reports indicates the total number of IGMP V3 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrIgmplfRxWrongVersions)	long	The value of vRtrIgmplfRxWrongVersions indicates the total number of IGMP packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrIgmplfStatsSGTypes)	long	The value of vRtrIgmplfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrIgmplfStatsStarGTypes)	long	vRtrIgmplfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrIgmplfTxErrors)	long	The value of vRtrIgmplfTxErrors indicates the total number of times there was an error transmitting IGMP packets on this interface..
txGenQueries [Tx Gen Queries] (vRtrIgmplfTxGenQueries)	long	The value of vRtrIgmplfTxGenQueries indicates the number of IGMP General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrIgmplfTxGrpQueries)	long	The value of vRtrIgmplfTxGrpQueries indicates the number of IGMP Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrIgmplfTxGrpSrcQueries)	long	The value of vRtrIgmplfTxGrpSrcQueries indicates the number of IGMP Group and Source Specific Queries transmitted on this interface.

Table 643 igmp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrIgmplfTxLeaves)	long	The value of vRtrIgmplfTxLeaves indicates the total number of IGMP Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrIgmplfTxV1Reports)	long	The value of vRtrIgmplfTxV1Reports indicates the total number of IGMP V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrIgmplfTxV2Reports)	long	The value of vRtrIgmplfTxV2Reports indicates the total number of IGMP V2 Reports transmitted on this interface.
txV3Reports [Tx V3 Reports] (vRtrIgmplfTxV3Reports)	long	The value of vRtrIgmplfTxV3Reports indicates the total number of IGMP V3 Reports transmitted on this interface.
InterfaceStatsExtension MIB entry name: vRtrIgmplfStatsEntry Entry description: An entry in the vRtrIgmplfStatsTable. Table description (for vRtrIgmplfStatsTable): The table listing the IGMP statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface		
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrIgmplfRxLocalScopePkts)	long	The value of the object vRtrIgmplfRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv4 multicast address.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrIgmplfRxRsvdScopePkts)	long	The value of the object vRtrIgmplfRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv4 multicast address.

Table 644 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
<p>InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig</p>		

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnspCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LinkStatePduSiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (tmnxIisStatsCSNPDrop)	long	The value of the object tmnxIisStatsCSNPDrop indicates the number of Complete Sequence Number PDUs dropped by this instance.
csnpReceived [Csnp Received] (tmnxIisStatsCSNPRecd)	long	The value of the object tmnxIisStatsCSNPRecd indicates the number of Complete Sequence Number PDUs received by this instance.
csnpRetransmitted [Csnp Retransmitted] (tmnxIisStatsCSNPRetrans)	long	The value of the object tmnxIisStatsCSNPRetrans indicates the number of Complete Sequence Number PDUs that had to be retransmitted by this instance.
csnpSent [Csnp Sent] (tmnxIisStatsCSNPSent)	long	The value of the object tmnxIisStatsCSNPSent indicates the number of Complete Sequence Number PDUs sent out by this instance.
helloDropped [Hello Dropped] (tmnxIisStatsIIHDrop)	long	The value of the object tmnxIisStatsIIHDrop indicates the number of IS-IS Hello packets dropped by this instance.

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloReceived [Hello Received] (tmnxIsisStatsIIHRecd)	long	The value of the object tmnxIsisStatsIIHRecd indicates the number of IS-IS Hello packets received by this instance.
helloRetransmitted [Hello Retransmitted] (tmnxIsisStatsIIHRetrans)	long	The value of the object tmnxIsisStatsIIHRetrans indicates the number of IS-IS Hello packets that had to be retransmitted by this instance.
helloSent [Hello Sent] (tmnxIsisStatsIIHSent)	long	The value of the object tmnxIsisStatsIIHSent indicates the number of IS-IS Hello packets sent out by this instance.
lspDropped [Lsp Dropped] (tmnxIsisStatsLSPDrop)	long	The value of the object tmnxIsisStatsLSPDrop indicates the number of link state PDUs dropped by this instance.
lspReceived [Lsp Received] (tmnxIsisStatsLSPRecd)	long	The value of the object tmnxIsisStatsLSPRecd indicates the number of link state PDUs received by this instance.
lspRetransmitted [Lsp Retransmitted] (tmnxIsisStatsLSPRetrans)	long	The value of the object tmnxIsisStatsLSPRetrans indicates the number of link state PDUs that had to be retransmitted by this instance.
lspSent [Lsp Sent] (tmnxIsisStatsLSPSent)	long	The value of the object tmnxIsisStatsLSPSent indicates the number of link state PDUs sent out by this instance.
psnpDropped [Psnp Dropped] (tmnxIsisStatsPSNPDrop)	long	The value of the object tmnxIsisStatsPSNPDrop indicates the number of Partial Sequence Number PDUs dropped by this instance.
psnpReceived [Psnp Received] (tmnxIsisStatsPSNPREcd)	long	The value of the object tmnxIsisStatsPSNPREcd indicates the number of Partial Sequence Number PDUs received by this instance.

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpRetransmitted [Psnp Retransmitted] (tmnxIsisStatsPSNPRetrans)	long	The value of the object tmnxIsisStatsPSNPRetrans indicates the number of Partial Sequence Number PDUs that had to be retransmitted by this instance.
psnpSent [Psnp Sent] (tmnxIsisStatsPSNPSent)	long	The value of the object tmnxIsisStatsPSNPSent indicates the number of Partial Sequence Number PDUs sent out by this instance.
unknownDropped [Unknown Dropped] (tmnxIsisStatsUnknownDrop)	long	The value of the object tmnxIsisStatsUnknownDrop indicates the number of unknown packets dropped by this instance.
unknownReceived [Unknown Received] (tmnxIsisStatsUnknownRecd)	long	The value of the object tmnxIsisStatsUnknownRecd indicates the number of unknown packets received by this instance.
unknownRetransmitted [Unknown Retransmitted] (tmnxIsisStatsUnknownRetrans)	long	The value of the object tmnxIsisStatsUnknownRetrans indicates the number of unknown packets that had to be retransmitted by this instance.
unknownSent [Unknown Sent] (tmnxIsisStatsUnknownSent)	long	The value of the object tmnxIsisStatsUnknownSent indicates the number of unknown packets sent out by this instance.
<p>SiteLfaStats</p> <p>MIB entry name: tmnxIsisLfaEntry</p> <p>Entry description: Each row entry in the tmnxIsisLfaTable represents information on LFA coverage for various topologies of the system.</p> <p>Table description (for tmnxIsisLfaTable): The tmnxIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: isis.Site</p>		

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfalpv4Coverage [Isis Lfa Ipv 4 Coverage] (tmnxIsisLfalIpv4Coverage)	long	The value of the object tmnxIsisLfalIpv4Coverage indicates how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (tmnxIsisLfalIpv4NodesCovered)	long	The value of the object tmnxIsisLfalIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available IPv4 routes.
isisLfalpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (tmnxIsisLfalIpv4TotalNodes)	long	The value of the object tmnxIsisLfalIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv4 routes.
isisLfalpv6Coverage [Isis Lfa Ipv 6 Coverage] (tmnxIsisLfalIpv6Coverage)	long	The value of the object tmnxIsisLfalIpv6Coverage indicates how much LFA coverage is being obtained for the available IPv6 routes.
isisLfalpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (tmnxIsisLfalIpv6NodesCovered)	long	The value of the object tmnxIsisLfalIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available IPv6 routes.
isisLfalpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (tmnxIsisLfalIpv6TotalNodes)	long	The value of the object tmnxIsisLfalIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available IPv6 routes.
isisLfaNodeCoverage [Isis Lfa Node Coverage] (tmnxIsisLfaNodeCoverage)	long	The value of the object tmnxIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (tmnxIsisLfaNodesCovered)	long	The value of the object tmnxIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (tmnxIsisLfaTotalNodes)	long	The value of the object tmnxIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: tmnxIisStatsEntry</p> <p>Entry description: Each row entry in the tmnxIisStatsTable stores statistics for an instance of IS-IS protocol configured.</p> <p>Table description (for tmnxIisStatsTable): The tmnxIisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables tmnxIisTable and tmnxIisStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (tmnxIisStatsCSPFDroppedRequests)	long	The value of the object tmnxIisStatsCSPFDroppedRequests indicates the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (tmnxIisStatsCSPFPathsFound)	long	The value of the object tmnxIisStatsCSPFPathsFound indicates the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxIisStatsCSPFPathsNotFound)	long	The value of the object tmnxIisStatsCSPFPathsNotFound indicates the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (tmnxIisStatsCSPFRequests)	long	The value of the object tmnxIisStatsCSPFRequests indicates the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (tmnxIisStatsInitiatedPurges)	long	The value of the object tmnxIisStatsInitiatedPurges indicates the number of times purges have been initiated.

Table 644 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lfaRuns [Lfa Runs] (tmnxIisisStatsLfaRuns)	long	The value of the object tmnxIisisStatsLfaRuns indicates the number of times loopfree-alternate calculations have been made.
lspRegenerations [Lsp Regenerations] (tmnxIisisStatsLSPRegenerations)	long	The value of the object tmnxIisisStatsLSPRegenerations indicates the count of LSP regenerations.
spfRuns [Spf Runs] (tmnxIisisStatsSpfRuns)	long	The value of the object tmnxIisisStatsSpfRuns indicates the number of times shortest path first calculations have been made.

Table 645 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 646 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AccessInterfaceStpStats MIB entry name: sapTlsInfoEntry Entry description: TLS specific information about a SAP. Table description (for sapTlsInfoTable): A table that contains TLS SAP information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.AccessInterfaceStp		
forwardTransitions [Forward Transitions] (sapTlsStpForwardTransitions)	long	The value of the object sapTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sapTlsStpInBadBpdus)	long	This object indicates the number of bad BPDUs received on this SAP.
inConfigBpdus [In Config Bpdus] (sapTlsStpInConfigBpdus)	long	The value of the object sapTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SAP.
inMultipleSpanningTreeBpdus [In Multiple Spanning Tree Bpdus] (sapTlsStpInMstBpdus)	long	The value of the object sapTlsStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this SAP.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sapTlsStpInRstBpdus)	long	The value of the object sapTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this SAP.
inTcnBpdus [In Tcn Bpdus] (sapTlsStpInTcnBpdus)	long	The value of the object sapTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SAP.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outConfigBpdus [Out Config Bpdus] (sapTlsStpOutConfigBpdus)	long	The value of the object sapTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SAP.
outMultipleSpanningTreeBpdus [Out Multiple Spanning Tree Bpdus] (sapTlsStpOutMstBpdus)	long	The value of the object sapTlsStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this SAP.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sapTlsStpOutRstBpdus)	long	The value of the object sapTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this SAP.
outTcnBpdus [Out Tcn Bpdus] (sapTlsStpOutTcnBpdus)	long	This object indicates the number of Topology Change Notification BPDUs sent out this SAP.
<p>CircuitMrpInfoStats</p> <p>MIB entry name: sdpBindTlsMrpEntry</p> <p>Entry description: Each row entry contains objects that allows the modification of the Multiple Registration Protocol feature for a specific SDP-Binding in a TLS service.</p> <p>Table description (for sdpBindTlsMrpTable): The sdpBindTlsMrpTable allows the operator to modify attributes of the Multiple Registration Protocol (MRP) feature for the TLS SDP Bind. This table contains an entry for each TLS SDP Bind created by the user using either sdpBindTlsTable or sdpBindMeshTlsTable. Rows in this table are created and deleted automatically by the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.CircuitMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sdpBindTlsMrpDroppedPdus)	long	The value of sdpBindTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SDP Bind.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxEmptyEvent [Mrp Rx Empty Event] (sdpBindTIsMrpRxEmptyEvent)	long	The value of sdpBindTIsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SDP Bind.
mrpRxInEvent [Mrp Rx In Event] (sdpBindTIsMrpRxInEvent)	long	The value of sdpBindTIsMrpRxInEvent indicates the number of 'In' MRP events received on this SDP Bind.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sdpBindTIsMrpRxJoinEmptyEvent)	long	The value of sdpBindTIsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SDP Bind.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sdpBindTIsMrpRxJoinInEvent)	long	The value of sdpBindTIsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SDP Bind.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sdpBindTIsMrpRxLeaveEvent)	long	The value of sdpBindTIsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SDP Bind.
mrpRxNewEvent [Mrp Rx New Event] (sdpBindTIsMrpRxNewEvent)	long	The value of sdpBindTIsMrpRxNewEvent indicates the number of 'New' MRP events received on this SDP Bind.
mrpRxPdus [Mrp Rx Pdus] (sdpBindTIsMrpRxPdus)	long	The value of sdpBindTIsMrpRxPdus indicates the number of MRP packets received on this SDP Bind.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sdpBindTIsMrpTxEmptyEvent)	long	The value of sdpBindTIsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SDP Bind.
mrpTxInEvent [Mrp Tx In Event] (sdpBindTIsMrpTxInEvent)	long	The value of sdpBindTIsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SDP Bind.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sdpBindTlsMrpTxJoinEmptyEvent)	long	The value of sdpBindTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SDP Bind.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sdpBindTlsMrpTxJoinInEvent)	long	The value of sdpBindTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SDP Bind.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sdpBindTlsMrpTxLeaveEvent)	long	The value of sdpBindTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SDP Bind.
mrpTxNewEvent [Mrp Tx New Event] (sdpBindTlsMrpTxNewEvent)	long	The value of sdpBindTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SDP Bind.
mrpTxPdus [Mrp Tx Pdus] (sdpBindTlsMrpTxPdus)	long	The value of sdpBindTlsMrpTxPdus indicates the number of MRP packets transmitted on this SDP Bind.
CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMrpInfoStats MIB entry name: sapTlsMrpEntry Entry description: MRP specific information about a SAP in a TLS. Table description (for sapTlsMrpTable): The sapTlsMrpTable augments sapTlsInfoTable with attributes of the Multiple Registration Protocol (MRP) feature for the TLS SAP. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.L2AccessInterfaceMrpInfo</p>		
mrpDroppedPdus [Mrp Dropped Pdus] (sapTlsMrpDroppedPdus)	long	The value of sapTlsMrpDroppedPdus indicates the number of dropped MRP packets on this SAP.
mrpRxEmptyEvent [Mrp Rx Empty Event] (sapTlsMrpRxEmptyEvent)	long	The value of sapTlsMrpRxEmptyEvent indicates the number of 'Empty' MRP events received on this SAP.
mrpRxInEvent [Mrp Rx In Event] (sapTlsMrpRxInEvent)	long	The value of sapTlsMrpRxInEvent indicates the number of 'In' MRP events received on this SAP.
mrpRxJoinEmptyEvent [Mrp Rx Join Empty Event] (sapTlsMrpRxJoinEmptyEvent)	long	The value of sapTlsMrpRxJoinEmptyEvent indicates the number of 'Join Empty' MRP events received on this SAP.
mrpRxJoinInEvent [Mrp Rx Join In Event] (sapTlsMrpRxJoinInEvent)	long	The value of sapTlsMrpRxJoinInEvent indicates the number of 'Join-In' MRP events received on this SAP.
mrpRxLeaveEvent [Mrp Rx Leave Event] (sapTlsMrpRxLeaveEvent)	long	The value of sapTlsMrpRxLeaveEvent indicates the number of 'Leave' MRP events received on this SAP.

Table 646 l2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mrpRxNewEvent [Mrp Rx New Event] (sapTlsMrpRxNewEvent)	long	The value of sapTlsMrpRxNewEvent indicates the number of 'New' MRP events received on this SAP.
mrpRxPdus [Mrp Rx Pdus] (sapTlsMrpRxPdus)	long	The value of sapTlsMrpRxPdus indicates the number of MRP packets received on this SAP.
mrpTxEmptyEvent [Mrp Tx Empty Event] (sapTlsMrpTxEmptyEvent)	long	The value of sapTlsMrpTxEmptyEvent indicates the number of 'Empty' MRP events transmitted on this SAP.
mrpTxInEvent [Mrp Tx In Event] (sapTlsMrpTxInEvent)	long	The value of sapTlsMrpTxInEvent indicates the number of 'In' MRP events transmitted on this SAP.
mrpTxJoinEmptyEvent [Mrp Tx Join Empty Event] (sapTlsMrpTxJoinEmptyEvent)	long	The value of sapTlsMrpTxJoinEmptyEvent indicates the number of 'Join Empty' MRP events transmitted on this SAP.
mrpTxJoinInEvent [Mrp Tx Join In Event] (sapTlsMrpTxJoinInEvent)	long	The value of sapTlsMrpTxJoinInEvent indicates the number of 'Join-In' MRP events transmitted on this SAP.
mrpTxLeaveEvent [Mrp Tx Leave Event] (sapTlsMrpTxLeaveEvent)	long	The value of sapTlsMrpTxLeaveEvent indicates the number of 'Leave' MRP events transmitted on this SAP.
mrpTxNewEvent [Mrp Tx New Event] (sapTlsMrpTxNewEvent)	long	The value of sapTlsMrpTxNewEvent indicates the number of 'New' MRP events transmitted on this SAP.
mrpTxPdus [Mrp Tx Pdus] (sapTlsMrpTxPdus)	long	The value of sapTlsMrpTxPdus indicates the number of MRP packets transmitted on this SAP.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PipStpInfoStats</p> <p>MIB entry name: tlsPipInfoEntry</p> <p>Entry description: TLS specific information about PIP uplink.</p> <p>Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object indicates the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object indicates the number of bad BPDUs received on this PIP uplink.
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object indicates the number of Topology Change Notification BPDUs sent out this PIP uplink.
SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib		

Table 646 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries allocated in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize depends on the platform/chassis mode.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.
SiteStpStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteStp		
timeSinceTopologyChange [Time Since Topology Change] (svcTlsStpTimeSinceTopologyChange)	long	The value of the object svcTlsStpTimeSinceTopologyChange indicates the time (in hundredths of a second) since the last time a topology change was detected by the Spanning Tree Protocol instance associated with this service.
topologyChanges [Topology Changes] (svcTlsStpTopologyChanges)	long	The value of the object svcTlsStpTopologyChanges indicates the total number of topology changes detected by the Spanning Tree Protocol instance associated with this service since the management entity was last reset or initialized.

Table 647 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 647 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 647 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 647 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 647 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 648 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IPv6InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.IPv6Extension</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpNgInetIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface for given Inet address family. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgInetIfStatsTable): The vRtrLdpNgInetIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces for given Inet address family on this LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgInetIfTable, and the augmenting table, vRtrLdpNgInetIfStatsTable. This in effect extends the vRtrLdpNgInetIfTable with additional columns. Creation or deletion of a row in the vRtrLdpNgInetIfTable results in the same fate for the row in the vRtrLdpNgInetIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgInetIfStatsExistingAdj)	long	The value of vRtrLdpNgInetIfStatsExistingAdj indicates a count of the total active adjacencies on this LDP interface for given Inet address family.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: ldp.AccountingFecPrefix</p>		

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 648 Idp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpNgSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpNgSessionStatsTable): The vRtrLdpNgSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgSessionTable, and the augmenting table, vRtrLdpNgSessionStatsTable. This in effect extends the vRtrLdpNgSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpNgSessionTable results in the same fate for the row in the vRtrLdpNgSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpNgSessStatsAddrIn)	long	The value of vRtrLdpNgSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpNgSessStatsAddrOut)	long	The value of vRtrLdpNgSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpNgSessStatsAddrWithdrIn)	long	The value of vRtrLdpNgSessStatsAddrWithdrIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpNgSessStatsAddrWithdrOut)	long	The value of vRtrLdpNgSessStatsAddrWithdrOut counts the number of Address Withdraw Messages that have been sent during this session.
capabilityMessageIn [Capability Message In] (vRtrLdpNgSessStatsCapabilityIn)	long	The value of vRtrLdpNgSessStatsCapabilityIn counts the number of Capability Messages that have been received during this session.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
capabilityMessageOut [Capability Message Out] (vRtrLdpNgSessStatsCapabilityOut)	long	The value of vRtrLdpNgSessStatsCapabilityOut counts the number of Capability Messages that have been sent during this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpNgSessStatsHelloIn)	long	The value of vRtrLdpNgSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpNgSessStatsHelloOut)	long	The value of vRtrLdpNgSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpNgSessStatsInitIn)	long	The value of vRtrLdpNgSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpNgSessStatsInitOut)	long	The value of vRtrLdpNgSessStatsInitOut counts the number of Init Messages that have been sent during this session.
ipv4AddrReceived [Ipv 4 Addr Received] (vRtrLdpNgSessStatsIPv4AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv4AddrRcv counts the number of IPv4 local addresses received for this session.
ipv4AddrSent [Ipv 4 Addr Sent] (vRtrLdpNgSessStatsIPv4AddrSent)	long	The value of vRtrLdpNgSessStatsIPv4AddrSent counts the number of IPv4 local addresses sent for this session.
ipv4P2mpFecReceived [Ipv 4 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv4P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecRcv counts the number of IPv4 P2MP FECs received for this session.
ipv4P2mpFecSent [Ipv 4 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv4P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4P2MPFecSnt counts the number of IPv4 P2MP FECs sent for this session.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv4PfxFecReceived [Ipv 4 Pfx Fec Received] (vRtrLdpNgSessStatsIPv4PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecRcv counts the number of IPv4 prefix FECs received for this session.
ipv4PfxFecSent [Ipv 4 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv4PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv4PfxFecSnt counts the number of IPv4 prefix FECs sent for this session.
ipv6AddrReceived [Ipv 6 Addr Received] (vRtrLdpNgSessStatsIPv6AddrRcv)	long	The value of vRtrLdpNgSessStatsIPv6AddrRcv counts the number of IPv6 local addresses received for this session.
ipv6AddrSent [Ipv 6 Addr Sent] (vRtrLdpNgSessStatsIPv6AddrSent)	long	The value of vRtrLdpNgSessStatsIPv6AddrSent counts the number of IPv6 local addresses sent for this session.
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vRtrLdpNgSessStatsIPv6P2MPFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecRcv counts the number of IPv6 P2MP FECs received for this session.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vRtrLdpNgSessStatsIPv6P2MPFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6P2MPFecSnt counts the number of IPv6 P2MP FECs sent for this session.
ipv6PfxFecReceived [Ipv 6 Pfx Fec Received] (vRtrLdpNgSessStatsIPv6PfxFecRcv)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecRcv counts the number of IPv6 prefix FECs received for this session.
ipv6PfxFecSent [Ipv 6 Pfx Fec Sent] (vRtrLdpNgSessStatsIPv6PfxFecSnt)	long	The value of vRtrLdpNgSessStatsIPv6PfxFecSnt counts the number of IPv6 prefix FECs sent for this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpNgSessStatsKeepaliveIn)	long	The value of vRtrLdpNgSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.

Table 648 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpNgSessStatsKeepaliveOut)	long	The value of vRtrLdpNgSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpNgSessStatsLblAbortIn)	long	The value of vRtrLdpNgSessStatsLblAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpNgSessStatsLblAbortOut)	long	The value of vRtrLdpNgSessStatsLblAbortOut counts the number of Label Abort Messages that have been sent during this session.
labelMappingsReceived [Label Mappings Received] (vRtrLdpNgSessStatsLblMappingIn)	long	The value of vRtrLdpNgSessStatsLblMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpNgSessStatsLblMappingOut)	long	The value of vRtrLdpNgSessStatsLblMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpNgSessStatsLblReleaseIn)	long	The value of vRtrLdpNgSessStatsLblReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpNgSessStatsLblReleaseOut)	long	The value of vRtrLdpNgSessStatsLblReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpNgSessStatsLblRequestIn)	long	The value of vRtrLdpNgSessStatsLblRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpNgSessStatsLblRequestOut)	long	The value of vRtrLdpNgSessStatsLblRequestOut counts the number of Label Request Messages that have been sent during this session.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpNgSessStatsLblWithdrawIn)	long	The value of vRtrLdpNgSessStatsLblWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpNgSessStatsLblWithdrawOut)	long	The value of vRtrLdpNgSessStatsLblWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpNgSessStatsLinkAdj)	long	The value of vRtrLdpNgSessStatsLinkAdj indicates the number of link adjacencies for this session.
notificationMessagesReceived [Notification Messages Received] (vRtrLdpNgSessStatsNotifIn)	long	The value of vRtrLdpNgSessStatsNotifIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpNgSessStatsNotifOut)	long	The value of vRtrLdpNgSessStatsNotifOut counts the number of Notification Messages that have been sent during this session.
svcFec128Received [Svc Fec 128 Received] (vRtrLdpNgSessStatsSvcFec128Recv)	long	The value of vRtrLdpNgSessStatsSvcFec128Recv counts the number of service FEC 128 received for this session.
svcFec128Sent [Svc Fec 128 Sent] (vRtrLdpNgSessStatsSvcFec128Sent)	long	The value of vRtrLdpNgSessStatsSvcFec128Sent counts the number of service FEC 128 sent for this session.
svcFec129Received [Svc Fec 129 Received] (vRtrLdpNgSessStatsSvcFec129Recv)	long	The value of vRtrLdpNgSessStatsSvcFec129Recv counts the number of service FEC 129 received for this session.
svcFec129Sent [Svc Fec 129 Sent] (vRtrLdpNgSessStatsSvcFec129Sent)	long	The value of vRtrLdpNgSessStatsSvcFec129Sent counts the number of service FEC 129 sent for this session.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpNgSessStatsTargAdj)	long	The value of vRtrLdpNgSessStatsTargAdj indicates the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Site</p>		
activeInterfaces [Active Interfaces] (vLdpNgStatsIPv4ActiveIf)	long	The value of vLdpNgStatsIPv4ActiveIf indicates the number of active (i.e. operationally up) IPv4 interfaces associated with the LDP instance.
activeLinkAdjacencies [Active Link Adjacencies] (vLdpNgStatsIPv4ActiveLinkAdj)	long	The value of vLdpNgStatsIPv4ActiveLinkAdj indicates the number of active IPv4 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
activeSessions [Active Sessions] (vLdpNgStatsIPv4ActiveSess)	long	The value of vLdpNgStatsIPv4ActiveSess indicates the number of active IPv4 sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargAdjacencies [Active Targ Adjacencies] (vLdpNgStatsIPv4ActiveTargAdj)	long	The value of vLdpNgStatsIPv4ActiveTargAdj indicates the number of active IPv4 target adjacencies (i.e. established sessions) associated with the LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeTargetedSessions [Active Targeted Sessions] (vLdpNgStatsIPv4ActiveTargPeers)	long	The value of vLdpNgStatsIPv4ActiveTargPeers indicates the number of configured IPv4 targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vLdpNgStatsIPv4PfxFecRecv)	long	The value of vLdpNgStatsIPv4PfxFecRecv indicates the number of IPv4 Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vLdpNgStatsIPv4PfxFecSent)	long	The value of vLdpNgStatsIPv4PfxFecSent indicates the number of IPv4 Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vLdpNgStatsIPv4AttemptedSessions)	long	The value of vLdpNgStatsIPv4AttemptedSessions indicates the total number of attempted IPv4 sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vLdpNgStatsBadLdpIdErrors)	long	The value of vLdpNgStatsBadLdpIdErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vLdpNgStatsBadMsgLengthErrors)	long	The value of vLdpNgStatsBadMsgLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vLdpNgStatsBadPduLengthErrors)	long	The value of vLdpNgStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vLdpNgStatsBadTlvLengthErrors)	long	The value of vLdpNgStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.
egrFecPfxCount [Egr Fec Pfx Count] (vLdpNgStatsIPv4EgrFecPfxCount)	long	The value of vLdpNgStatsIPv4EgrFecPfxCount indicates the number of IPv4 egress FEC prefix statistics configured for this LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fec128FecInOverloaded [Fec 128 Fec In Overloaded] (vLdpNgStatsFec128FecInOLoad)	long	The value of vLdpNgStatsFec128FecInOLoad indicates the number PW ID FEC in overload state in LDP instance.
fec128FecOLSessionReceived [Fec 128 Fec OLSession Received] (vLdpNgStatsFec128FecOLSessRecv)	long	The value of vLdpNgStatsFec128FecOLSessRecv indicates the number of Overload Notifications received for PW ID FEC over sessions in LDP instance.
fec128FecOLSessionSent [Fec 128 Fec OLSession Sent] (vLdpNgStatsFec128FecOLSessSent)	long	The value of vLdpNgStatsFec128FecOLSessSent indicates the number of Overload Notifications sent for PW ID FEC over sessions in LDP instance.
fec129FecInOverloaded [Fec 129 Fec In Overloaded] (vLdpNgStatsFec129FecInOLoad)	long	The value of vLdpNgStatsFec129FecInOLoad indicates the number General PW ID FEC in overload state in LDP instance.
fec129FecOLSessionReceived [Fec 129 Fec OLSession Received] (vLdpNgStatsFec129FecOLSessRecv)	long	The value of vLdpNgStatsFec129FecOLSessRecv indicates the number of Overload Notifications received for General PW ID FEC over sessions in LDP instance.
fec129FecOLSessionSent [Fec 129 Fec OLSession Sent] (vLdpNgStatsFec129FecOLSessSent)	long	The value of vLdpNgStatsFec129FecOLSessSent indicates the number of Overload Notifications sent for General PW ID FEC over sessions in LDP instance.
inactiveInterfaces [Inactive Interfaces] (vLdpNgStatsIPv4Inactif)	long	The value of vLdpNgStatsIPv4Inactif indicates the number of inactive (i.e. operationally down) IPv4 interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vLdpNgStatsIPv4InactiveTargPeers)	long	The value of vLdpNgStatsIPv4InactiveTargPeers indicates the number of inactive (i.e. operationally down) IPv4 targeted sessions associated with the LDP instance.
ipv6ActiveInterfaces [Ipv 6 Active Interfaces] (vLdpNgStatsIPv6Activif)	long	The value of vLdpNgStatsIPv6Activif indicates the number of active (i.e. operationally up) IPv6 interfaces associated with the LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6ActiveLinkAdjacencies [Ipv 6 Active Link Adjacencies] (vLdpNgStatsIPv6ActiveLinkAdj)	long	The value of vLdpNgStatsIPv6ActiveLinkAdj indicates the number of active IPv6 link adjacencies (i.e. established adjacencies) associated with the LDP instance.
ipv6ActiveSessions [Ipv 6 Active Sessions] (vLdpNgStatsIPv6ActiveSess)	long	The value of vLdpNgStatsIPv6ActiveSess indicates the number of active IPv6 sessions (i.e. session in some form of creation) associated with the LDP instance.
ipv6ActiveTargAdjacencies [Ipv 6 Active Targ Adjacencies] (vLdpNgStatsIPv6ActiveTargAdj)	long	The value of vLdpNgStatsIPv6ActiveTargAdj indicates the number of active IPv6 target adjacencies (i.e. established sessions) associated with the LDP instance.
ipv6ActiveTargetedSessions [Ipv 6 Active Targeted Sessions] (vLdpNgStatsIPv6ActiveTargPeers)	long	The value of vLdpNgStatsIPv6ActiveTargPeers indicates the number of configured IPv6 targeted peers that are administratively up in an LDP instance.
ipv6AddressFECsReceived [Ipv 6 Address FECs Received] (vLdpNgStatsIPv6PfxFecRecv)	long	The value of vLdpNgStatsIPv6PfxFecRecv indicates the number of IPv6 Address FECs received by the LDP instance from its neighbors.
ipv6AddressFECsSent [Ipv 6 Address FECs Sent] (vLdpNgStatsIPv6PfxFecSent)	long	The value of vLdpNgStatsIPv6PfxFecSent indicates the number of IPv6 Address FECs sent by the LDP instance to its neighbors.
ipv6AttemptedSessions [Ipv 6 Attempted Sessions] (vLdpNgStatsIPv6AttemptedSessions)	long	The value of vLdpNgStatsIPv6AttemptedSessions indicates the total number of attempted IPv6 sessions for this LDP instance.
ipv6EgrFecPfxCount [Ipv 6 Egr Fec Pfx Count] (vLdpNgStatsIPv6EgrFecPfxCount)	long	The value of vLdpNgStatsIPv6EgrFecPfxCount indicates the number of IPv6 egress FEC prefix statistics configured for this LDP instance.
ipv6InactiveInterfaces [Ipv 6 Inactive Interfaces] (vLdpNgStatsIPv6InactiveIf)	long	The value of vLdpNgStatsIPv6InactiveIf indicates the number of inactive (i.e. operationally down) IPv6 interfaces associated with the LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6InactiveTargetedSessions [Ipv 6 Inactive Targeted Sessions] (vLdpNgStatsIPv6InactiveTargPeers)	long	The value of vLdpNgStatsIPv6InactiveTargPeers indicates the number of inactive (i.e. operationally down) IPv6 targeted sessions associated with the LDP instance.
ipv6OverloadedInterfaces [Ipv 6 Overloaded Interfaces] (vLdpNgStatsIPv6OLoadInterfaces)	long	The value of vLdpNgStatsIPv6OLoadInterfaces indicates the number of overloaded IPv6 interfaces in LDP instance.
ipv6OverloadedTargetedPeers [Ipv 6 Overloaded Targeted Peers] (vLdpNgStatsIPv6OLoadTargPeers)	long	The value of vLdpNgStatsIPv6OLoadTargPeers indicates the number of overloaded IPv6 targeted peers in LDP instance.
ipv6P2mpFecInOverloaded [Ipv 6 P2 mp Fec In Overloaded] (vLdpNgStatsIPv6P2MPFecInOLoad)	long	The value of vLdpNgStatsIPv6P2MPFecInOLoad indicates the number IPv4 P2MP FEC in overload state in LDP instance.
ipv6P2mpFecOLSessionReceived [Ipv 6 P2 mp Fec OLSession Received] (vLdpNgStatsIPv6P2MPFecOLSessRecv)	long	The value of vLdpNgStatsIPv6P2MPFecOLSessRecv indicates the number of Overload Notifications received for IPv6 P2MP FEC over sessions in LDP instance.
ipv6P2mpFecOLSessionSent [Ipv 6 P2 mp Fec OLSession Sent] (vLdpNgStatsIPv6P2MPFecOLSessSent)	long	The value of vLdpNgStatsIPv6P2MPFecOLSessSent indicates the number of Overload Notifications sent for IPv6 P2MP FEC over sessions in LDP instance.
ipv6PfxFecInOverloaded [Ipv 6 Pfx Fec In Overloaded] (vLdpNgStatsIPv6PfxFecInOLoad)	long	The value of vLdpNgStatsIPv6PfxFecInOLoad indicates the number IPv6 Address FEC in overload state in LDP instance.
ipv6PfxFecOLSessionReceived [Ipv 6 Pfx Fec OLSession Received] (vLdpNgStatsIPv6PfxFecOLSessRecv)	long	The value of vLdpNgStatsIPv6PfxFecOLSessRecv indicates the number of Overload Notifications received for IPv6 address FEC over sessions in LDP instance.
ipv6PfxFecOLSessionSent [Ipv 6 Pfx Fec OLSession Sent] (vLdpNgStatsIPv6PfxFecOLSessSent)	long	The value of vLdpNgStatsIPv6PfxFecOLSessSent indicates the number of Overload Notifications sent for IPv6 address FEC over sessions in LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAliveExpiredErrors [Keep Alive Expired Errors] (vLdpNgStatsKeepAliveExpErrors)	long	The value of vLdpNgStatsKeepAliveExpErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vLdpNgStatsMalformedTlvErrors)	long	The value of vLdpNgStatsMalformedTlvErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vLdpNgStatsIPv4OperDownEvents)	long	The value of vLdpNgStatsIPv4OperDownEvents indicates the number of times the IPv4 LDP instance has gone operationally down since the instance was created.
overloadedInterfaces [Overloaded Interfaces] (vLdpNgStatsIPv4OLoadInterfaces)	long	The value of vLdpNgStatsIPv4OLoadInterfaces indicates the number of overloaded IPv4 interfaces in LDP instance.
overloadedTargetedPeers [Overloaded Targeted Peers] (vLdpNgStatsIPv4OLoadTargPeers)	long	The value of vLdpNgStatsIPv4OLoadTargPeers indicates the number of overloaded IPv4 targeted peers in LDP instance.
p2mpFecInOverloaded [P2 mp Fec In Overloaded] (vLdpNgStatsIPv4P2MPFecInOLoad)	long	The value of vLdpNgStatsIPv4P2MPFecInOLoad indicates the number IPv4 P2MP FEC in overload state in LDP instance.
p2mpFecOLSessionReceived [P2 mp Fec OLSession Received] (vLdpNgStatsIPv4P2MPFecOLSessRecv)	long	The value of vLdpNgStatsIPv4P2MPFecOLSessRecv indicates the number of Overload Notifications received for IPv4 P2MP FEC over sessions in LDP instance.
p2mpFecOLSessionSent [P2 mp Fec OLSession Sent] (vLdpNgStatsIPv4P2MPFecOLSessSent)	long	The value of vLdpNgStatsIPv4P2MPFecOLSessSent indicates the number of Overload Notifications sent for IPv4 P2MP FEC over sessions in LDP instance.
pfxFecInOverloaded [Pfx Fec In Overloaded] (vLdpNgStatsIPv4PfxFecInOLoad)	long	The value of vLdpNgStatsIPv4PfxFecInOLoad indicates the number IPv4 Address FEC in overload state in LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pfxFecOLSessionReceived [Pfx Fec OLSession Received] (vLdpNgStatsIPv4PfxFecOLSessRecv)	long	The value of vLdpNgStatsIPv4PfxFecOLSessRecv indicates the number of Overload Notifications received for IPv4 address FEC over sessions in LDP instance.
pfxFecOLSessionSent [Pfx Fec OLSession Sent] (vLdpNgStatsIPv4PfxFecOLSessSent)	long	The value of vLdpNgStatsIPv4PfxFecOLSessSent indicates the number of Overload Notifications sent for IPv4 address FEC over sessions in LDP instance.
service129FECsReceived [Service 129 FECs Received] (vLdpNgStatsFec129FecRecv)	long	The value of vLdpNgStatsFec129FecRecv indicates the number of General Pseudo wire ID FECs received by the LDP instance from its neighbors.
service129FECsSent [Service 129 FECs Sent] (vLdpNgStatsFec129FecSent)	long	The value of vLdpNgStatsFec129FecSent indicates the number of General Pseudo wire ID FECs sent by the LDP instance to its neighbors.
serviceFECsReceived [Service FECs Received] (vLdpNgStatsFec128FecRecv)	long	The value of vLdpNgStatsFec128FecRecv indicates the number of Pseudo wire ID FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vLdpNgStatsFec128FecSent)	long	The value of vLdpNgStatsFec128FecSent indicates the number of Pseudo wire ID FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vLdpNgStatsSessRejAdvErrors)	long	The value of vLdpNgStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vLdpNgStatsSessRejLblRngeErrs)	long	The value of vLdpNgStatsSessRejLblRngeErrs gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vLdpNgStatsSessRejMaxPduErrs)	long	The value of vLdpNgStatsSessRejMaxPduErrs gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vLdpNgStatsSessRejNoHelloErrs)	long	The value of vLdpNgStatsSessRejNoHelloErrs gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vLdpNgStatsShutdownNotifRecv)	long	The value of vLdpNgStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vLdpNgStatsShutdownNotifSent)	long	The value of vLdpNgStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vLdpNgStatsUnknownTlvErrors)	long	The value of vLdpNgStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.
<p>SiteStatsExtension</p> <p>MIB entry name: vLdpNgStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vLdpNgStatsTable): vLdpNgStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgGeneralTable, and the augmenting table, vLdpNgStatsTable. This in effect extends the vRtrLdpNgGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpNgGeneralTable results in the same fate for the row in the vLdpNgStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		

Table 648 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ipv6P2mpFecReceived [Ipv 6 P2 mp Fec Received] (vLdpNgStatsIPv6P2MPFecRecv)	long	The value of vLdpNgStatsIPv6P2MPFecRecv indicates the number of IPv6 P2MP FECs received by the LDP instance from its neighbors.
ipv6P2mpFecSent [Ipv 6 P2 mp Fec Sent] (vLdpNgStatsIPv6P2MPFecSent)	long	The value of vLdpNgStatsIPv6P2MPFecSent indicates the number of IPv6 P2MP FECs sent by the LDP instance to its neighbors.
p2mpFecReceived [P2 mp Fec Received] (vLdpNgStatsIPv4P2MPFecRecv)	long	The value of vLdpNgStatsIPv4P2MPFecRecv indicates the number of IPv4 P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vLdpNgStatsIPv4P2MPFecSent)	long	The value of vLdpNgStatsIPv4P2MPFecSent indicates the number of IPv4 P2MP FECs sent by the LDP instance to its neighbors.
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpNgTargPeerStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpNgSessionStatsEntry.</p> <p>Table description (for vRtrLdpNgTargPeerStatsTable): The vRtrLdpNgTargPeerStatsTable is a read-only table. The purpose of this table is to keep statistical information about the Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpNgTargPeerTable, and the augmenting table, vRtrLdpNgTargPeerStatsTable. This in effect extends the vRtrLdpNgTargPeerTable with additional columns. Creation or deletion of a row in the vRtrLdpNgTargPeerTable results in the same fate for the row in the vRtrLdpNgTargPeerTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.TargetedPeer</p>		

Table 648 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
existingAdjacencies [Existing Adjacencies] (vRtrLdpNgTargPeerStatExistingAdj)	long	The value of vRtrLdpNgTargPeerStatExistingAdj indicates a count of the total active adjacencies with this targeted peer.

Table 649 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 649 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 649 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 649 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		
IldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 650 Imp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ControlChannelStats</p> <p>MIB entry name: tmnxLmpVRtrControlChanStatsEntry</p> <p>Entry description: The tmnxLmpVRtrControlChanStatsEntry consists of statistical information about a control channel for a virtual router instance.</p> <p>Table description (for tmnxLmpVRtrControlChanStatsTable): The tmnxLmpVRtrControlChanStatsTable contains the LMP control channel statistics counters for a virtual router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Imp.ControlChannel</p>		
ImpVRtrCcConfigAckReceived [Lmp VRtr Cc Config Ack Received] (tmnxLmpVRtrCcConfigAckReceived)	long	The value of tmnxLmpVRtrCcConfigAckReceived indicates the number of ConfigAck messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigAckSent [Lmp VRtr Cc Config Ack Sent] (tmnxLmpVRtrCcConfigAckSent)	long	The value of tmnxLmpVRtrCcConfigAckSent indicates the number of ConfigAck messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigNackReceived [Lmp VRtr Cc Config Nack Received] (tmnxLmpVRtrCcConfigNackReceived)	long	The value of tmnxLmpVRtrCcConfigNackReceived indicates the number of ConfigNack messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 650 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrCcConfigNackSent [Lmp VRtr Cc Config Nack Sent] (tmnxLmpVRtrCcConfigNackSent)	long	The value of tmnxLmpVRtrCcConfigNackSent indicates the number of ConfigNack messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigReceived [Lmp VRtr Cc Config Received] (tmnxLmpVRtrCcConfigReceived)	long	The value of tmnxLmpVRtrCcConfigReceived indicates the number of Config messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigRetransmit [Lmp VRtr Cc Config Retransmit] (tmnxLmpVRtrCcConfigRetransmit)	long	The value of tmnxLmpVRtrCcConfigRetransmit indicates the number of Config messages that have been retransmitted over this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcConfigSent [Lmp VRtr Cc Config Sent] (tmnxLmpVRtrCcConfigSent)	long	The value of tmnxLmpVRtrCcConfigSent indicates the number of Config messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcHelloReceived [Lmp VRtr Cc Hello Received] (tmnxLmpVRtrCcHelloReceived)	long	The value of tmnxLmpVRtrCcHelloReceived indicates the number of Hello messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 650 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrCcHelloSent [Lmp VRtr Cc Hello Sent] (tmnxLmpVRtrCcHelloSent)	long	The value of tmnxLmpVRtrCcHelloSent indicates the number of Hello messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcInErrors [Lmp VRtr Cc In Errors] (tmnxLmpVRtrCcInErrors)	long	The value of tmnxLmpVRtrCcInErrors indicates the number of inbound packets that contained errors preventing them from being processed by LMP. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumAckReceived [Lmp VRtr Cc Link Sum Ack Received] (tmnxLmpVRtrCcLinkSumAckReceived)	long	The value of tmnxLmpVRtrCcLinkSumAckReceived indicates the number of LinkSummaryAck messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumAckSent [Lmp VRtr Cc Link Sum Ack Sent] (tmnxLmpVRtrCcLinkSumAckSent)	long	The value of tmnxLmpVRtrCcLinkSumAckSent indicates the number of LinkSummaryAck messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumNackReceived [Lmp VRtr Cc Link Sum Nack Received] (tmnxLmpVRtrCcLinkSumNackReceived)	long	The value of tmnxLmpVRtrCcLinkSumNackReceived indicates the number of LinkSummaryNack messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 650 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrCcLinkSumNackSent [Lmp VRtr Cc Link Sum Nack Sent] (tmnxLmpVRtrCcLinkSumNackSent)	long	The value of tmnxLmpVRtrCcLinkSumNackSent indicates the number of LinkSummaryNack messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumReceived [Lmp VRtr Cc Link Sum Received] (tmnxLmpVRtrCcLinkSumReceived)	long	The value of tmnxLmpVRtrCcLinkSumReceived indicates the number of LinkSummary messages that have been received on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumRetransmit [Lmp VRtr Cc Link Sum Retransmit] (tmnxLmpVRtrCcLinkSumRetransmit)	long	The value of tmnxLmpVRtrCcLinkSumRetransmit indicates the number of LinkSummary messages that have been retransmitted over this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcLinkSumSent [Lmp VRtr Cc Link Sum Sent] (tmnxLmpVRtrCcLinkSumSent)	long	The value of tmnxLmpVRtrCcLinkSumSent indicates the number of LinkSummary messages that have been sent on this control channel. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.
ImpVRtrCcOutErrors [Lmp VRtr Cc Out Errors] (tmnxLmpVRtrCcOutErrors)	long	The value of tmnxLmpVRtrCcOutErrors indicates the number of outbound packets that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrCcDiscontinuityTime.

Table 650 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TeLinkStats</p> <p>MIB entry name: tmnxLmpVRtrTeLinkStatsEntry</p> <p>Entry description: The tmnxLmpVRtrTeLinkStatsEntry consists of statistical information about a TE link for a virtual router instance.</p> <p>Table description (for tmnxLmpVRtrTeLinkStatsTable): The tmnxLmpVRtrTeLinkStatsTable contains the LMP Traffic Engineering (TE) link statistics counters for a virtual router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Imp.TeLink</p>		
ImpVRtrTeLinkSumAckReceived [Lmp VRtr Te Link Sum Ack Received] (tmnxLmpVRtrTeLinkSumAckReceived)	long	The value of tmnxLmpVRtrTeLinkSumAckReceived indicates the number of LinkSummaryAck messages that have been received for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumAckSent [Lmp VRtr Te Link Sum Ack Sent] (tmnxLmpVRtrTeLinkSumAckSent)	long	The value of tmnxLmpVRtrTeLinkSumAckSent indicates the number of LinkSummaryAck messages that have been sent for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumNackReceived [Lmp VRtr Te Link Sum Nack Received] (tmnxLmpVRtrTeLinkSumNackReceived)	long	The value of tmnxLmpVRtrTeLinkSumNackReceived indicates the number of LinkSummaryNack messages that have been received for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.

Table 650 Imp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ImpVRtrTeLinkSumNackSent [Lmp VRtr Te Link Sum Nack Sent] (tmnxLmpVRtrTeLinkSumNackSent)	long	The value of tmnxLmpVRtrTeLinkSumNackSent indicates the number of LinkSummaryNack messages that have been sent for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumReceived [Lmp VRtr Te Link Sum Received] (tmnxLmpVRtrTeLinkSumReceived)	long	The value of tmnxLmpVRtrTeLinkSumReceived indicates the number of LinkSummary messages that have been received for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumRetransmit [Lmp VRtr Te Link Sum Retransmit] (tmnxLmpVRtrTeLinkSumRetransmit)	long	The value of tmnxLmpVRtrTeLinkSumRetransmit indicates the number of LinkSummary messages that have been retransmitted for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.
ImpVRtrTeLinkSumSent [Lmp VRtr Te Link Sum Sent] (tmnxLmpVRtrTeLinkSumSent)	long	The value of tmnxLmpVRtrTeLinkSumSent indicates the number of LinkSummary messages that have been sent for this TE link. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of tmnxLmpVRtrTeLinkDiscntnuityTime.

Table 651 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.

Table 651 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv2 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.

Table 651 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	The value of vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.

Table 651 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.
SiteStats MIB entry name: vRtrMldGenStatsEntry Entry description: Each row entry represents statistics for an instance of the MLD protocol running within a virtual router. Table description (for vRtrMldGenStatsTable): The vRtrMldGenStatsTable contains objects for general statistics for the MLD protocol instance within a virtual router. Supports realtime plotting Supports scheduled collection Monitored class: mld.Site		
statsSGTypes [Stats SGTypes] (vRtrMldGenStatsSGTypes)	long	The value of vRtrMldGenStatsSGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldGenStatsStarGTypes)	long	The value of vRtrMldGenStatsStarGTypes indicates the number of entries in vRtrMldGrpSrcTable for which the source type is 'starG'.

Table 652 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries indicates the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats</p> <p>MIB entry name: vRtrMplsIfStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.IngStatsPolicy</p>		
lspType [Lsp Type] (vRtrMplsLspStatsLspType)	int	The value of vRtrMplsLspStatsLspType indicates whether the statistics apply to MPLS-TP, P2P, P2MP, Auto P2P or Auto P2MP LSP. When the value of vRtrMplsLspStatsTpOnly is 'true', the statistics apply for MPLS-TP LSP only and vRtrMplsLspStatsLspType is set to 'tpLsp'. When the value of vRtrMplsLspStatsTpOnly is 'false', the statistics apply for regular RSVP-TE signalled terminating LSP and the value of vRtrMplsLspStatsLspType can be set to either p2p, p2mp, autoP2p or autoP2mp.
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
tpOnly [Tp Only] (vRtrMplsLspStatsTpOnly)	boolean	The value of vRtrMplsLspStatsTpOnly indicates whether the statistics apply to mpls-tp lsp or for regular rsvp-te signalled terminating LSP. The value of 'true' indicates the statistics apply to mpls-tp LSP only. The value of 'false' indicates the statistics apply for regular rsvp-te signalled terminating LSP.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2 l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
<p>S2LPathStats</p> <p>MIB entry name: vRtrMplsS2lSubLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.S2LPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeDown indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 652 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
srTeLspOriginate [Sr Te Lsp Originate] (vRtrMplsGeneralSrTeLspOriginate)	long	The value of vRtrMplsGeneralSrTeLspOriginate indicates the number of Segment Routing TE LSPs that are originating at this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 653 mplsTp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathMepStats</p> <p>MIB entry name: vRtrMplsTpLspPtPathMepStatEntry</p> <p>Entry description: The vRtrMplsTpLspPathMepEntry represents a Maintenance Endpoint for a MPLS-TP LSP protection Path. Rows are created and destroyed by the system based on the configuration of the MEP protection-type.</p> <p>Table description (for vRtrMplsTpLspPtPathMepStatTable): The vRtrMplsTpLspPtPathMepStatTable maintains the Maintenance End Points (MEPs) statistics for MPLS-TP LSP protection paths.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: mplsTp.PathMep</p>		
wtrTimer [Wtr Timer] (vRtrMplsTpLspPtPathMepWTRTimer)	long	The value of vRtrMplsTpLspPtPathMepWTRTimer indicates the remaining Wait-To-Restore time, in seconds, before the protection path can switch back to the working path. A value of zero (0) indicates that there is no WTR timer in effect.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsTp.Site</p>		
mplsTpLspOriginate [Mpls Tp Lsp Originate] (vRtrMplsGenMplsTpLspOriginate)	long	The value of vRtrMplsGenMplsTpLspOriginate indicates the number of MPLS TP LSPs that originate at this virtual router.
mplsTpLspTerminate [Mpls Tp Lsp Terminate] (vRtrMplsGenMplsTpLspTerminate)	long	The value of vRtrMplsGenMplsTpLspTerminate indicates the number of MPLS TP LSPs that terminate at this virtual router.

Table 653 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsTpLspTransit [Mpls Tp Lsp Transit] (vRtrMplsGenMplsTpLspTransit)	long	The value of vRtrMplsGenMplsTpLspTransit indicates the number of MPLS TP LSPs that transit through this virtual router.
mplsTpOrigPathInst [Mpls Tp Orig Path Inst] (vRtrMplsGenMplsTpOrigPathInst)	long	The value of vRtrMplsGenMplsTpOrigPathInst indicates the number of MPLS TP LSPs originate path instances.
mplsTpTermPathInst [Mpls Tp Term Path Inst] (vRtrMplsGenMplsTpTermPathInst)	long	The value of vRtrMplsGenMplsTpTermPathInst indicates the number of MPLS TP LSPs terminated path instances.
mplsTpTranPathInst [Mpls Tp Tran Path Inst] (vRtrMplsGenMplsTpTranPathInst)	long	The value of vRtrMplsGenMplsTpTranPathInst indicates the number of MPLS TP LSPs transit path instances.
<p>TpLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.

Table 653 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.

Table 653 mplsip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.

Table 653 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.

Table 653 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 653 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TpLspGeneralStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplsdp.TPLsp</p>		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.

Table 653 mplstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by $(\text{vRtrMplsLspPrimaryTimeUp} / \text{vRtrMplsLspTimeUp} * 100) \%$.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing $(\text{vRtrMplsLspTimeUp} / \text{vRtrMplsLspAge} * 100 \%)$.
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>TpLspIngressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mplstp.TPLsp</p>		

Table 653 mplsIp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 653 mplsip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 653 mplstp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 653 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 653 mplsdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 654 msdp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerStats</p> <p>MIB entry name: tmnxMsdpNgPeerStatsEntry</p> <p>Entry description: tmnxMsdpNgPeerStatsEntry is an entry (conceptual row) in the tmnxMsdpNgPeerStatsTable. Each entry represents a MSDP peer related statistics information.</p> <p>Table description (for tmnxMsdpNgPeerStatsTable): The table tmnxMsdpNgPeerStatsTable is the statistics information related to a MSDP peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • msdp.GroupPeer • msdp.Peer 		
errorMsgsReceived [Error Msgs Received] (tmnxMsdpNgPeerStatsErrMsgsRx)	long	The value of tmnxMsdpNgPeerStatsErrMsgsRx indicates number of error messages received.
keepAliveMsgsReceived [Keep Alive Msgs Received] (tmnxMsdpNgPeerStatsKAMsgsRx)	long	The value of tmnxMsdpNgPeerStatsKAMsgsRx indicates the number of keep-alive messages received.
keepAliveMsgsSent [Keep Alive Msgs Sent] (tmnxMsdpNgPeerStatsKAMsgsSent)	long	The value of tmnxMsdpNgPeerStatsKAMsgsSent indicates the number of keep-alive messages sent.
lastMsgPeer [Last Msg Peer] (tmnxMsdpNgPeerStatsLastMsgPeer)	long	The value of tmnxMsdpNgPeerStatsLastMsgPeer indicates how long ago the last message was received from this peer instance.
lastStateChange [Last State Change] (tmnxMsdpNgPeerStatsLastStChange)	long	The value of tmnxMsdpNgPeerStatsLastStChange indicates how long ago the peer state changed.

Table 654 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
peerTimeouts [Peer Timeouts] (tmnxMsdpNgPeerStatsPeerTimeouts)	long	The value of tmnxMsdpNgPeerStatsPeerTimeouts indicates the number of peer timeouts.
remoteCloses [Remote Closes] (tmnxMsdpNgPeerStatsRemoteCloses)	long	The value of tmnxMsdpNgPeerStatsRemoteCloses indicates the number of times the remote peer closed.
reservedMsgsReceived [Reserved Msgs Received] (tmnxMsdpNgPeerStatsResvMsgsRx)	long	The value of tmnxMsdpNgPeerStatsResvMsgsRx indicates the number of MSDP messages received with type 'Reserved'.
rpfFailures [Rpf Failures] (tmnxMsdpNgPeerStatsRPFFailures)	long	The value of tmnxMsdpNgPeerStatsRPFFailures indicates number of reverse path forwarding (RPF) failures.
saLearned [Sa Learned] (tmnxMsdpNgPeerStatsSALearnt)	long	The value of tmnxMsdpNgPeerStatsSALearnt indicates the number of unique source active entries in the cache learned from the peer.
saLimitExceeded [Sa Limit Exceeded] (tmnxMsdpNgPeerStatsActSrcLimExcd)	long	The value of tmnxMsdpNgPeerStatsActSrcLimExcd indicates the number of times the global active source limit has been exceeded by this peer instance.
saMsgsReceived [Sa Msgs Received] (tmnxMsdpNgPeerStatsSAMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAMsgsRx indicates the number of source-active messages received.
saMsgsSent [Sa Msgs Sent] (tmnxMsdpNgPeerStatsSAMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAMsgsSent indicates the number of source-active messages sent.
saRejectExportPolicy [Sa Reject Export Policy] (tmnxMsdpNgPeerStatsSARejExpPlcy)	long	The value of tmnxMsdpNgPeerStatsSARejExpPlcy indicates the number of source active messages from the peer that were not sent due to export policy.

Table 654 msdp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saRejectImportPolicy [Sa Reject Import Policy] (tmnxMsdpNgPeerStatsSARejImpPly)	long	The value of tmnxMsdpNgPeerStatsSARejImpPly indicates the number of source active messages from the peer that were rejected due to import policy.
saRequestMsgsReceived [Sa Request Msgs Received] (tmnxMsdpNgPeerStatsSAReqMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAReqMsgsRx indicates the number of source-active request messages received.
saRequestMsgsSent [Sa Request Msgs Sent] (tmnxMsdpNgPeerStatsSAReqMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAReqMsgsSent indicates the number of source-active request messages sent.
saResponseMsgsReceived [Sa Response Msgs Received] (tmnxMsdpNgPeerStatsSAResMsgsRx)	long	The value of tmnxMsdpNgPeerStatsSAResMsgsRx indicates the number of source-active response messages received.
saResponseMsgsSent [Sa Response Msgs Sent] (tmnxMsdpNgPeerStatsSAResMsgsSent)	long	The value of tmnxMsdpNgPeerStatsSAResMsgsSent indicates the number of source-active response messages sent.
unknownMsgsReceived [Unknown Msgs Received] (tmnxMsdpNgPeerStatsUnknMsgsRx)	long	The value of tmnxMsdpNgPeerStatsUnknMsgsRx indicates the number of unknown messages received.

Table 655 multicast statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastCacChannelServiceStats</p> <p>MIB entry name: tmnxMcacServStatsEntry</p> <p>Entry description: An entry in the tmnxMcacServStatsTable</p> <p>Table description (for tmnxMcacServStatsTable): The tmnxMcacServStatsTable has an entry for each service protocol (igmp-snooping on sap/sdp) channel that was either accepted/discarded by the applied multicast cac policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacServStatsAction)	int	The value of tmnxMcacServStatsAction indicates the action specified by the mcac policy for the service application to act upon.
algorithmReapply [Algorithm Reapply] (tmnxMcacServStatsAlgoReapply)	boolean	The value of tmnxMcacServStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the service application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacServStatsBundleAvailBW)	long	The value of tmnxMcacServStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
channelBw [Channel Bw] (tmnxMcacServStatsChannelBW)	long	The value of tmnxMcacServStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the service application.
channelRequestCount [Channel Request Count] (tmnxMcacServStatsApplyAttempts)	long	The value of tmnxMcacServStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the service application.
channelType [Channel Type] (tmnxMcacServStatsChannelType)	int	The value of tmnxMcacServStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the service application.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
encapValueOrVcId [Encap Value Or VcId] (tmnxMcacServStatsEncapValue)	String	The value of tmnxMcacServStatsEncapValue indicates the SAP/SDP Encap value of which the mcac policy is applied.
interfaceAvailBw [Interface Avail Bw] (tmnxMcacServStatsIntfAvailBW)	long	The value of tmnxMcacServStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
portIdOrTunnelId [Port Id Or Tunnel Id] (tmnxMcacServStatsPortId)	String	The value of tmnxMcacServStatsPortId indicates the port Id of the SAP/SDP on which the mcac policy is applied.
reason [Reason] (tmnxMcacServStatsReason)	int	The value of tmnxMcacServStatsReason indicates the reason for the action specified by the mcac policy for the service application to act upon.
timeStamp [Time Stamp] (tmnxMcacServStatsTimeStamp)	long	The value of tmnxMcacServStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
<p>McastCacChannelStats MIB entry name: tmnxMcacStatsEntry Entry description: An entry in the tmnxMcacStatsTable Table description (for tmnxMcacStatsTable): The tmnxMcacStatsTable has an entry for each protocol interface channel that was either accepted/discarded by the applied multicast cac policy. This table is deprecated and replaced by tmnxMcacStatsNgTable. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy</p>		
action [Action] (tmnxMcacStatsAction)	int	The value of tmnxMcacStatsAction indicates the action specified by the mcac policy for the application interface to act upon.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
algorithmReapply [Algorithm Reapply] (tmnxMcacStatsAlgoReapply)	boolean	The value of tmnxMcacStatsAlgoReapply indicates if the mcac policy was reapplied on the already accepted channel due lag constraints or if this was the first request for this channel from the application.
bundleAvailBw [Bundle Avail Bw] (tmnxMcacStatsBundleAvailBW)	long	The value of tmnxMcacStatsBundleAvailBW indicates the available bundle bandwidth after the requested channel was either accepted or discarded by the mcac policy.
bundleName [Bundle Name] (tmnxMcacStatsBundleName)	String	The value of tmnxMcacStatsBundleName indicates the name of the multicast CAC policy bundle. The value of tmnxMcacStatsBundleName could be an empty string, meaning that this particular statistics entry's channel did not belong to any bundle in the policy.
channelAddress [Channel Address] (tmnxMcacStatsChlAddr)	String	The value of tmnxMcacStatsChlAddr indicates the address of the multicast channel that mcac policy was applied upon when requested by the application interface. Address type is indicated by tmnxMcacStatsChlAddrType.
channelAddressType [Channel Address Type] (tmnxMcacStatsChlAddrType)	int	The value of tmnxMcacStatsChlAddrType indicates the address type of tmnxMcacStatsChlAddr.
channelBw [Channel Bw] (tmnxMcacStatsChannelBW)	long	The value of tmnxMcacStatsChannelBW indicates the channel bandwidth configured at the mcac policy at the time of request from the application interface.
channelRequestCount [Channel Request Count] (tmnxMcacStatsApplyAttempts)	long	The value of tmnxMcacStatsApplyAttempts indicates the number of times the mcac policy was applied for a particular channel entry by the application.
channelType [Channel Type] (tmnxMcacStatsChannelType)	int	The value of tmnxMcacStatsChannelType indicates the channel type configured at the mcac policy at the time of request from the application interface.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
interfaceAvailBw [Interface Avail Bw] (tmnxMcacStatsIntfAvailBW)	long	The value of tmnxMcacStatsIntfAvailBW indicates the available interface bandwidth after the requested channel was either accepted or discarded by the mcac policy.
interfaceId [Interface Id] (tmnxMcacStatsIfIndex)	long	The value of tmnxMcacStatsIfIndex indicates the application interface index that has applied mcac policy.
protocolName [Protocol Name] (tmnxMcacStatsProtocolIndex)	int	The value of tmnxMcacStatsProtocolIndex indicates the application that has applied mcac policy.
reason [Reason] (tmnxMcacStatsReason)	int	The value of tmnxMcacStatsReason indicates the reason for the action specified by the mcac policy for the application interface to act upon.
timeStamp [Time Stamp] (tmnxMcacStatsTimeStamp)	long	The value of tmnxMcacStatsTimeStamp indicates the timestamp of the last time the mcac policy was applied for this channel entry.
<p>McastCacOper MIB entry name: tmnxMcacOperEntry Entry description: An entry in the tmnxMcacOperTable Table description (for tmnxMcacOperTable): The tmnxMcacOperTable has an entry for each protocol interface that has active channels on a bundle that were accepted by the mcac policy. Supports realtime plotting Supports scheduled collection Monitored class: multicast.McastCacPolicy</p>		
activeChannels [Active Channels] (tmnxMcacOperActiveChannels)	long	The value of tmnxMcacOperActiveChannels indicates the number of active channels for this entry.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
availMandBw [Avail Mand Bw] (tmnxMcacOperAvailMandBw)	long	The value of tmnxMcacOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacOperAvailOptnlBw)	long	The value of tmnxMcacOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
currConstrtlvl [Curr Constrt Lvl] (tmnxMcacOperCurrConstrtlvl)	long	The value of tmnxMcacOperCurrConstrtlvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacOperInUseMandBw)	long	The value of tmnxMcacOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this protocol interface instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacOperInUseOptnlBw)	long	The value of tmnxMcacOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this protocol interface instance.
maxBw [Max Bw] (tmnxMcacOperMaxBw)	long	The value of tmnxMcacOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this protocol interface instance.
portsDown [Ports Down] (tmnxMcacOperPortsDown)	long	The value of tmnxMcacOperPortsDown indicates the the number of ports down on the application interface. This value is used to index the table tmnxMcacLagTable to get the bundle level id.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
valuesInTransit [Values In Transit] (tmnxMcacOperValuesInTransit)	boolean	The value of tmnxMcacOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacOperAvailOptnlBw tmnxMcacOperAvailMandBw tmnxMcacOperInUseMandBw tmnxMcacOperInUseOptnlBw When Multicast CAC Policy is applied on the interface for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacOperValuesInTransit will be set to 'false'. If the value of tmnxMcacOperValuesInTransit is 'true' then the values are in transition.
<p>McastCacServOperStats</p> <p>MIB entry name: tmnxMcacServOperEntry</p> <p>Entry description: An entry in the tmnxMcacServOperTable</p> <p>Table description (for tmnxMcacServOperTable): The tmnxMcacServOperTable has an entry for each service application (igmp-snooping on sap/sdp) that has active channels on a bundle that were accepted by the mcac policy.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastCacPolicy</p>		
activeChannels [Active Channels] (tmnxMcacServOperActiveChannels)	long	The value of tmnxMcacServOperActiveChannels indicates the number of active channels for this entry.
availMandBw [Avail Mand Bw] (tmnxMcacServOperAvailMandBw)	long	The value of tmnxMcacServOperAvailMandBw indicates the operational pre-reserved bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
availOptionalBw [Avail Optional Bw] (tmnxMcacServOperAvailOptnlBw)	long	The value of tmnxMcacServOperAvailOptnlBw indicates the operational available bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
currConstrLvl [Curr Constrt Lvl] (tmnxMcacServOperCurrConstrLvl)	long	The value of tmnxMcacServOperCurrConstrLvl indicates the current lag constraints bundle level id for the number of ports down (tmnxMcacServOperPortsDown). This value is used to index the table tmnxMcacLevelTable to get the bundle level bandwidth.
inUseMandBw [In Use Mand Bw] (tmnxMcacServOperInUseMandBw)	long	The value of tmnxMcacServOperInUseMandBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the mandatory channels on the bundle for this service application on sap/sdp instance.
inUseOptionalBw [In Use Optional Bw] (tmnxMcacServOperInUseOptnlBw)	long	The value of tmnxMcacServOperInUseOptnlBw indicates the operational in-use bandwidth in kilo-bits per second(kbps) for the optional channels on the bundle for this service application on sap/sdp instance.
maxBw [Max Bw] (tmnxMcacServOperMaxBw)	long	The value of tmnxMcacServOperMaxBw indicates the operational maximum bandwidth in kilo-bits per second(kbps) on the bundle for this service application on sap/sdp instance.
portsDown [Ports Down] (tmnxMcacServOperPortsDown)	long	The value of tmnxMcacServOperPortsDown indicates the the number of ports down on the service application on sap/sdp. This value is used to index the table tmnxMcacLagTable to get the bundle level id.
valuesInTransit [Values In Transit] (tmnxMcacServOperValuesInTransit)	boolean	The value of tmnxMcacServOperValuesInTransit indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: tmnxMcacServOperAvailOptnlBw tmnxMcacServOperAvailMandBw tmnxMcacServOperInUseMandBw tmnxMcacServOperInUseOptnlBw When Multicast CAC Policy is applied on the sap/sdp for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for tmnxMcacServOperValuesInTransit will be set to 'false'. If the value of tmnxMcacServOperValuesInTransit is 'true' then the values are in transition.

Table 655 multicast statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McastReportDestinationStats</p> <p>MIB entry name: tmnxMcPathRprtDestEntry</p> <p>Entry description: Each row entry represents a particular multicast reporting destination. Entries are created/deleted by the user.</p> <p>Table description (for tmnxMcPathRprtDestTable): The tmnxMcPathRprtDestTable has an entry for each multicast reporting destination configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multicast.McastReportDestination</p>		
framesLost [Frames Lost] (tmnxMcPathRprtDestFrmsLost)	long	The value of tmnxMcPathRprtDestFrmsLost specifies the number of frames lost for this mcast reporting destination.
framesSent [Frames Sent] (tmnxMcPathRprtDestFrmsSent)	long	The value of tmnxMcPathRprtDestFrmsSent specifies the number of frames sent to this mcast reporting destination.
recordsLost [Records Lost] (tmnxMcPathRprtDestRecsLost)	long	The value of tmnxMcPathRprtDestRecsLost specifies the number of records lost for this mcast reporting destination.
recordsSent [Records Sent] (tmnxMcPathRprtDestRecsSent)	long	The value of tmnxMcPathRprtDestRecsSent specifies the number of records sent to this mcast reporting destination.

Table 656 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>McEPPeerStats</p> <p>MIB entry name: tmnxMcEPPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcEPPeerStatsTable): The tmnxMcEPPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisEndpoint</p>		
configPacketsReceived [Config Packets Received] (tmnxMcEPPeerStatsPktsRxConfig)	long	The value of tmnxMcEPPeerStatsPktsRxConfig indicates how many valid MC-Endpoint control packets of type end-point config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcEPPeerStatsDropMD5)	long	The value of tmnxMcEPPeerStatsDropMD5 indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcEPPeerStatsPktsTxFailed)	long	The value of tmnxMcEPPeerStatsPktsTxFailed indicates how many MC-Endpoint control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlId)	long	The value of tmnxMcEPPeerStatsDropTlvInvlId indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis end-point.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcEPPeerStatsDropTlvInvlSz)	long	The value of tmnxMcEPPeerStatsDropTlvInvlSz indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet size was invalid.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcEPPeerStatsPktsRxKpalive)	long	The value of tmnxMcEPPeerStatsPktsRxKpalive indicates how many valid MC-Endpoint control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcEPPeerStatsPktsTxKpalive)	long	The value of tmnxMcEPPeerStatsPktsTxKpalive indicates how many MC-Endpoint control packets of type keepalive were transmitted from this system to the peer.
noEpPeerPacketsDropped [No Ep Peer Packets Dropped] (tmnxMcEPPeerStatsDropEpNoPeer)	long	The value of tmnxMcEPPeerStatsDropEpNoPeer indicates how many pkts were dropped because MC-Endpoint does not have a MC-peer assigned yet or MC-Endpoint is attached to a different peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcEPPeerStatsDropOutOfSeq)	long	The value of tmnxMcEPPeerStatsDropOutOfSeq indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was out of sequence.
packetsReceived [Packets Received] (tmnxMcEPPeerStatsPktsRx)	long	The value of tmnxMcEPPeerStatsPktsRx indicates how many valid MC-Endpoint control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcEPPeerStatsPktsTx)	long	The value of tmnxMcEPPeerStatsPktsTx indicates how many MC-Endpoint control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcEPPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsRxPeerCfg indicates how many valid MC-Endpoint control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcEPPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcEPPeerStatsPktsTxPeerCfg indicates how many MC-Endpoint control packets of type peer config were transmitted from this system to the peer.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcEPPeerStatsDropStateDsblid)	long	The value of tmnxMcEPPeerStatsDropStateDsblid indicates how many MC-Endpoint control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcEPPeerStatsPktsRxState)	long	The value of tmnxMcEPPeerStatsPktsRxState indicates how many valid MC-Endpoint control packets of type end-point state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcEPPeerStatsDropPktTooShrt)	long	The value of tmnxMcEPPeerStatsDropPktTooShrt indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcEPPeerStatsDropUnknownTlv)	long	The value of tmnxMcEPPeerStatsDropUnknownTlv indicates how many MC-Endpoint control packets were dropped on this system from the peer because the packet contained an unknown TLV.
<p>MultiChassisPeerRingStats MIB entry name: tmnxMcrPeerStatsEntry Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer. Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.
MultiChassisRingNodeStats MIB entry name: tmnxMcrRingNodeStatsEntry Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system. Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRingNode		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rncvPacketsReceived [Rncv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.
rncvPacketsRoundTripTime [Rncv Packets Round Trip Time] (tmnxMcrRingNodeStatsRncvRtTime)	long	The value of tmnxMcrRingNodeStatsRncvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRncvRtTime is zero.
rncvPacketsTransmitted [Rncv Packets Transmitted] (tmnxMcrRingNodeStatsRncvTxReq)	long	The value of tmnxMcrRingNodeStatsRncvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.
<p>MultiChassisRingStats MIB entry name: tmnxMcrRingStatsEntry Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer. Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRing</p>		

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.
<p>PeerStats</p> <p>MIB entry name: tmnxMcLagPeerStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagPeerStatsTable): The tmnxMcLagPeerStatsTable has an entry for each multi-chassis peer configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • multichassis.PSSPeer • multichassis.Peer 		

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsReceived [Config Packets Received] (tmnxMcLagPeerStatsPktsRxConfig)	long	The value of tmnxMcLagPeerStatsPktsRxConfig indicates how many valid MC-Lag control packets of type lag config were received on this system from the peer.
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagPeerStatsDropMD5)	long	The value of tmnxMcLagPeerStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system from the peer because the packet failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagPeerStatsPktsTxFailed)	long	The value of tmnxMcLagPeerStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted from this system to the peer.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvldId)	long	The value of tmnxMcLagPeerStatsDropTlvInvldId indicates how many MC-Lag control packets were dropped on this system from the peer because the packet referred to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagPeerStatsDropTlvInvldSz)	long	The value of tmnxMcLagPeerStatsDropTlvInvldSz indicates how many MC-Lag control packets were dropped on this system from the peer because the packet size was invalid.
keepAlivePacketsReceived [Keep Alive Packets Received] (tmnxMcLagPeerStatsPktsRxKpalive)	long	The value of tmnxMcLagPeerStatsPktsRxKpalive indicates how many valid MC-Lag control packets of type keepalive were received on this system from the peer.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagPeerStatsPktsTxKpalive)	long	The value of tmnxMcLagPeerStatsPktsTxKpalive indicates how many MC-Lag control packets of type keepalive were transmitted from this system to the peer.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagPeerStatsDropOutOfSeq)	long	The value of tmnxMcLagPeerStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was out of sequence.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagPeerStatsPktsRx)	long	The value of tmnxMcLagPeerStatsPktsRx indicates how many valid MC-Lag control packets were received on this system from the peer.
packetsTransmitted [Packets Transmitted] (tmnxMcLagPeerStatsPktsTx)	long	The value of tmnxMcLagPeerStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system to the peer.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagPeerStatsPktsRxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsRxPeerCfg indicates how many valid MC-Lag control packets of type peer config were received on this system from the peer.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagPeerStatsPktsTxPeerCfg)	long	The value of tmnxMcLagPeerStatsPktsTxPeerCfg indicates how many MC-Lag control packets of type peer config were transmitted from this system to the peer.
stateDisabledPacketsDropped [State Disabled Packets Dropped] (tmnxMcLagPeerStatsDropStateDsblD)	long	The value of tmnxMcLagPeerStatsDropStateDsblD indicates how many MC-Lag control packets were dropped on this system from the peer because the peer was administratively disabled.
statePacketsReceived [State Packets Received] (tmnxMcLagPeerStatsPktsRxState)	long	The value of tmnxMcLagPeerStatsPktsRxState indicates how many valid MC-Lag control packets of type lag state were received on this system from the peer.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagPeerStatsDropPktTooShrt)	long	The value of tmnxMcLagPeerStatsDropPktTooShrt indicates how many MC-Lag control packets were dropped on this system from the peer because the packet was too short.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagPeerStatsDropUnknownTlv)	long	The value of tmnxMcLagPeerStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system from the peer because the packet contained an unknown TLV.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerSynchronizationProtocolStats</p> <p>MIB entry name: tmnxMcPeerSyncStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a multi-chassis synchronization protocol entry. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcPeerSyncStatsTable): The tmnxMcPeerSyncStatsTable has an entry for each multi-chassis peer synchronization protocol entry.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.PeerSynchronizationProtocol</p>		
bodyDecodeErrorPacketsReceived [Body Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrBody)	long	The value of tmnxMcPeerSyncPktsRxErrBody indicates the number of packets with body decode errors received from the multi-chassis peer.
dataPacketsReceived [Data Packets Received] (tmnxMcPeerSyncPktsRxData)	long	The value of tmnxMcPeerSyncPktsRxData indicates the number of hello packets received from the multi-chassis peer.
dataPacketsTransmitted [Data Packets Transmitted] (tmnxMcPeerSyncPktsTxData)	long	The value of tmnxMcPeerSyncPktsTxData indicates the number of data packets transmitted to the multi-chassis peer.
erroneousPacketsReceived [Erroneous Packets Received] (tmnxMcPeerSyncPktsRxErr)	long	The value of tmnxMcPeerSyncPktsRxErr indicates the number of erroneous packets received from the multi-chassis peer.
headerDecodeErrorPacketsReceived [Header Decode Error Packets Received] (tmnxMcPeerSyncPktsRxErrHeader)	long	The value of tmnxMcPeerSyncPktsRxErrHeader indicates the number of packets with header decode errors received from the multi-chassis peer.
helloPacketsReceived [Hello Packets Received] (tmnxMcPeerSyncPktsRxHello)	long	The value of tmnxMcPeerSyncPktsRxHello indicates the number of hello packets received from the multi-chassis peer.

Table 656 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloPacketsTransmitted [Hello Packets Transmitted] (tmnxMcPeerSyncPktsTxHello)	long	The value of tmnxMcPeerSyncPktsTxHello indicates the number of hello packets transmitted to the multi-chassis peer.
otherPacketsReceived [Other Packets Received] (tmnxMcPeerSyncPktsRxOther)	long	The value of tmnxMcPeerSyncPktsRxOther indicates the number of all other packet types received from the multi-chassis peer.
otherPacketsTransmitted [Other Packets Transmitted] (tmnxMcPeerSyncPktsTxOther)	long	The value of tmnxMcPeerSyncPktsTxOther indicates the number of all other packet types transmitted to the multi-chassis peer.
packetTransmissionErrors [Packet Transmission Errors] (tmnxMcPeerSyncPktsTxErr)	long	The value of tmnxMcPeerSyncPktsTxErr indicates the number of packet transmission errors.
sequenceNumberErrorPacketsReceived [Sequence Number Error Packets Received] (tmnxMcPeerSyncPktsRxErrSeqNum)	long	The value of tmnxMcPeerSyncPktsRxErrSeqNum indicates the number of packets with sequence number errors received from the multi-chassis peer.
totalPacketsReceived [Total Packets Received] (tmnxMcPeerSyncPktsRxAll)	long	The value of tmnxMcPeerSyncPktsRxAll indicates the total number of packets received from the multi-chassis peer.
totalPacketsTransmitted [Total Packets Transmitted] (tmnxMcPeerSyncPktsTxAll)	long	The value of tmnxMcPeerSyncPktsTxAll indicates the total number of packets transmitted to the multi-chassis peer.

Table 657 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
NEBgpAutoRdStats MIB entry name: svcBgpAutoRDType1Group Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
svcBgpAutoRDType1InUse [Svc Bgp Auto RDType 1 In Use] (svcBgpAutoRDType1InUse)	long	The value of svcBgpAutoRDType1InUse indicates number of community values in use for this entry.
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmplnGetBulks [Sgi Snmp In Get Bulks] (sgiSnmplnGetBulks)	long	The value of sgiSnmplnGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnASNParseErrs [Snmp In ASNParse Errs] (snmplnASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.

Table 657 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.

Table 657 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 658 openflow statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFChannelStats</p> <p>MIB entry name: tmnxOFChannelStatsEntry</p> <p>Entry description: The value of tmnxOFChannelStatsEntry specifies statistics information for the various packets exchanged between an open-flow switch and the controller.</p> <p>Table description (for tmnxOFChannelStatsTable): The tmnxOFChannelStatsTable contains channel statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFChannelTable</p>		
pktsErr [Pkts Err] (tmnxOFChannelPacketErr)	java. math. BigInteger	The value of tmnxOFChannelPacketErr indicates the total number of error packets exchanged by open-flow switch specified by tmnxOFSwitchName with the controller.
pktsRx [Pkts Rx] (tmnxOFChannelPacketRx)	java. math. BigInteger	The value of tmnxOFChannelPacketRx indicates the total number of packets received by an open-flow switch specified by tmnxOFSwitchName.
pktsTx [Pkts Tx] (tmnxOFChannelPacketTx)	java. math. BigInteger	The value of tmnxOFChannelPacketTx indicates the total number of packets transmitted by an open-flow switch specified by tmnxOFSwitchName.
pktsType [Pkts Type] (tmnxOFChannelPacketType)	int	The value of tmnxOFChannelPacketType specifies the packet type exchanged between an open-flow switch and the controller.

Table 658 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OFPortStats</p> <p>MIB entry name: tmnxOFPortStatsEntry</p> <p>Entry description: The value of tmnxOFPortStatsEntry specifies statistics information related to port associated with an open-flow switch.</p> <p>Table description (for tmnxOFPortStatsTable): The tmnxOFPortStatsTable contains port statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: openflow.OFPortDescription</p>		
portId [Port Id] (tmnxOFPortID)	long	The value of tmnxOFPortID specifies the port identifier for uniquely identifying a port within an open-flow switch instance specified by tmnxOFSwitchName.
portName [Port Name] (tmnxOFPortName)	String	The value of tmnxOFPortName indicates the textual name of the interface. The value of this object should be the name of the interface as assigned by the open-flow switch.
portTxBytes [Port Tx Bytes] (tmnxOFPortTxBytes)	java. math. BigInteger	The value of tmnxOFPortTxBytes indicates the total number of bytes transmitted by this open-flow port.
portTxPkts [Port Tx Pkts] (tmnxOFPortTxPackets)	java. math. BigInteger	The value of tmnxOFPortTxPackets indicates the total number of packets transmitted by this open-flow port.

Table 658 openflow statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portType [Port Type] (tmnxOFPortType)	int	The value of tmnxOFPortType indicates the port-type for port identifier specified by tmnxOFPortID. openFlowPhysicalPort (1) - corresponds to hardware interface of an open-flow switch. openFlowLogicalPort (2) - corresponds to higher level abstractions defined by an open-flow switch (e.g. link aggregation groups, tunnels, loopback interfaces). openFlowReservedPort (3) - specifies generic forwarding actions such as sending to the controller, flooding, or forwarding using non open-flow methods, such as 'normal' switch processing.

Table 659 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkNeighborGeneralStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkReceiveStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamIfAuthFailures)	long	The value of tmnxOspfShamIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamIfBadAreas)	long	The value of tmnxOspfShamIfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamIfBadAuthTypes)	long	The value of tmnxOspfShamIfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamIfBadDeadIntervals)	long	The value of tmnxOspfShamIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamIfBadDstAddrs)	long	The value of tmnxOspfShamIfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervals)	long	The value of tmnxOspfVirtIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 659 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 660 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 660 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 660 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 660 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 660 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 660 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 661 pcep statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PcepPeerAdditionalStats</p> <p>MIB entry name: tmnxPcepPeerStatsEntry</p> <p>Entry description: The value of tmnxPcepPeerStatsEntry represents statistics information about a single peer which spans all PCEP sessions to that peer.</p> <p>Table description (for tmnxPcepPeerStatsTable): The tmnxPcepPeerStatsTable contains statistics information about peers known by the PCEP entity.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pcep.PcepPccPeer</p>		
numberPCRptReceived [Number PCRpt Received] (tmnxPcepPeerNumPCRptRcvd)	long	The value of tmnxPcepPeerNumPCRptRcvd indicates the number of PCRpt messages received from this peer.
numberPCRptSent [Number PCRpt Sent] (tmnxPcepPeerNumPCRptSent)	long	The value of tmnxPcepPeerNumPCRptSent indicates the number of PCRpt messages sent to this peer.
numberPCUpdReceived [Number PCUpd Received] (tmnxPcepPeerNumPCUpdRcvd)	long	The value of tmnxPcepPeerNumPCUpdRcvd indicates the number of PCUpd messages received from this peer.
numberPCUpdSent [Number PCUpd Sent] (tmnxPcepPeerNumPCUpdSent)	long	The value of tmnxPcepPeerNumPCUpdSent indicates the number of PCUpd messages sent to this peer.
numberRptReceived [Number Rpt Received] (tmnxPcepPeerNumRptRcvd)	long	The value of tmnxPcepPeerNumRptRcvd indicates the number of report messages received from this peer. This might be greater than tmnxPcepPeerNumPCRptRcvd because multiple requests can be batched into a single PCRpt message.

Table 661 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberRptSent [Number Rpt Sent] (tmnxPcepPeerNumRptSent)	long	The value of tmnxPcepPeerNumRptSent indicates the number of report messages sent to this peer. This might be greater than tmnxPcepPeerNumPCRptSent because multiple requests can be batched into a single PCRpt message.
peerAddress [Peer Address] (tmnxPcepPeerAddr)	String	The value of tmnxPcepPeerAddr specifies the Internet address of the peer.
<p>PcepPeerStats MIB entry name: pcePcepPeerEntry Entry description: Information about a single peer that spans all PCEP sessions to that peer. Table description (for pcePcepPeerTable): This table contains information about peers known by the local PCEP entity. The entries in this table are read-only. This table gives peer information that spans PCEP sessions. Information about current PCEP sessions can be found in the pcePcepSessTable table. Supports realtime plotting Supports scheduled collection Monitored class: pcep.PcepPccPeer</p>		
numberKeepAliveReceived [Number Keep Alive Received] (pcePcepPeerNumKeepaliveRcvd)	long	The number of Keepalive messages received from this peer.
numberKeepAliveSent [Number Keep Alive Sent] (pcePcepPeerNumKeepaliveSent)	long	The number of Keepalive messages sent to this peer.
numberPCErrorReceived [Number PCError Received] (pcePcepPeerNumPCErrRcvd)	long	The number of PCErr messages received from this peer.
numberPCErrorSent [Number PCError Sent] (pcePcepPeerNumPCErrSent)	long	The number of PCErr messages sent to this peer.

Table 661 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberPCNotificationSent [Number PCNotification Sent] (pcePcepPeerNumPCNtfSent)	long	The number of PCNtf messages sent to this peer.
numberPCNotificionReceived [Number PCNotificion Received] (pcePcepPeerNumPCNtfRcvd)	long	The number of PCNtf messages received from this peer.
numberPCReplyReceived [Number PCReply Received] (pcePcepPeerNumPCRepRcvd)	long	The number of PCRep messages received from this peer.
numberPCReplySent [Number PCReply Sent] (pcePcepPeerNumPCRepSent)	long	The number of PCRep messages sent to this peer.
numberPCRequestReceived [Number PCRequest Received] (pcePcepPeerNumPCReqRcvd)	long	The number of PCReq messages received from this peer.
numberPCRequestSent [Number PCRequest Sent] (pcePcepPeerNumPCReqSent)	long	The number of PCReq messages sent to this peer.
numberRequestReceived [Number Request Received] (pcePcepPeerNumReqRcvd)	long	The number of requests received from this peer. A request corresponds 1:1 with an RP object in a PCReq message. This might be greater than pcePcepPeerNumPCReqRcvd because multiple requests can be batched into a single PCReq message.
numberRequestSent [Number Request Sent] (pcePcepPeerNumReqSent)	long	The number of requests sent to this peer. A request corresponds 1:1 with an RP object in a PCReq message. This might be greater than pcePcepPeerNumPCReqSent because multiple requests can be batched into a single PCReq message.

Table 661 pcep statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
numberSessionSetupFail [Number Session Setup Fail] (pcePcepPeerNumSessSetupFail)	long	The number of PCEP sessions with the peer that have been attempted but failed before being fully established. This counter is incremented each time a session retry to this peer fails.
numberSessionSetupSuccess [Number Session Setup Success] (pcePcepPeerNumSessSetupOK)	long	The number of PCEP sessions successfully established with the peer, including any current session. This counter is incremented each time a session with this peer is successfully established.
peerAddress [Peer Address] (pcePcepPeerAddr)	String	The Internet address of the peer. The type is given by pcePcepPeerAddrType.

Table 662 pim statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface</p>		
bootstrapExpPolicyDrops [Bootstrap Exp Policy Drops] (vRtrPimNgIfBtrExpPolicyDrops)	long	The value of vRtrPimNgIfBtrExpPolicyDrops indicates the number of Bootstrap Messages that were not transmitted on this interface because of Bootstrap export policy. PIM Bootstrap export policies are configured using bootstrap export policy objects in vRtrPimNgGenPolicyTable.
bootstrapImpPolicyDrops [Bootstrap Imp Policy Drops] (vRtrPimNgIfBtrImpPolicyDrops)	long	The value of vRtrPimNgIfBtrImpPolicyDrops indicates the number of Bootstrap Messages received on this interface but were dropped because of Bootstrap import policy. PIM Bootstrap import policies are configured using bootstrap import policy objects in vRtrPimNgGenPolicyTable.
joinPolicyDrops [Join Policy Drops] (vRtrPimNgIfJoinPolicyDrops)	long	The value of vRtrPimNgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message. PIM Join policies are configured using join policy objects in vRtrPimNgGenPolicyTable.
registerPolicyDrops [Register Policy Drops] (vRtrPimNgIfRegisterPolicyDrops)	long	The value of vRtrPimNgIfRegisterPolicyDrops indicates the number of times the register policy match resulted in dropping PIM Register Message. PIM Register policies are configured using the register policy objects in vRtrPimNgGenPolicyTable.
rxBSMNoRouterAlertDrops [Rx BSMNo Router Alert Drops] (vRtrPimNgIfRxBSMNoRouterAlertDrops)	long	The value of vRtrPimNgIfRxBSMNoRouterAlertDrops indicates the number of BSM messages that were dropped because router alert option was not present.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBSMWrongIfDrops [Rx BSMWrong If Drops] (vRtrPimNgIfRxBSMWrongIfDrops)	long	The value of vRtrPimNgIfRxBSMWrongIfDrops indicates the number of BSM messages that were dropped either because they were not sent by the correct RPF neighbor or because they arrived on the wrong interface.
rxInvalidJoinPrunes [Rx Invalid Join Prunes] (vRtrPimNgIfRxInvalidJoinPrunes)	long	The value of vRtrPimNgIfRxInvalidJoinPrunes indicates the number of invalid PIM Join Prune messages received on this interface. A Join Prune message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidJoinPrune notification is sent.
rxInvalidRegisters [Rx Invalid Registers] (vRtrPimNgIfRxInvalidRegisters)	long	The value of vRtrPimNgIfRxInvalidRegisters indicates the number of invalid PIM Register messages received on this interface. A Register message is invalid when the RP address in the message is not the RP for the group specified in the message. If such a message arrives, a vRtrPimNgInvalidRegister notification is sent.
rxJoinPruneErrs [Rx Join Prune Errs] (vRtrPimNgIfRxJoinPruneErrs)	long	The value of vRtrPimNgIfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
rxJoinPrunes [Rx Join Prunes] (vRtrPimNgIfRxJoinPrunes)	long	The value of vRtrPimNgIfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
txJoinPrunes [Tx Join Prunes] (vRtrPimNgIfTxJoinPrunes)	long	The value of vRtrPimNgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrPimNgIfStatsEntry Entry description: An entry in the vRtrPimNgIfStatsTable. Table description (for vRtrPimNgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: pim.Interface		
bsmErrs [Bsm Errs] (vRtrPimNgIfTxBsmErrs)	long	The value of vRtrPimNgIfTxBsmErrs indicates the number of errors while transmitting PIM Bootstrap Messages (BSM) on this interface.
bsmPdus [Bsm Pdus] (vRtrPimNgIfTxBsmPdus)	long	The value of vRtrPimNgIfTxBsmPdus indicates the number of PIM Bootstrap Messages (BSM) transmitted on this interface.
mcacPolicyDrops [Mcac Policy Drops] (vRtrPimNgIfMcacPolicyDrops)	long	The value of the object vRtrPimNgIfMcacPolicyDrops indicates the number times a PIM Group is dropped because of applying a multicast CAC policy on this interface.
registerStopErrs [Register Stop Errs] (vRtrPimNgIfTxRegisterStopErrs)	long	The value of vRtrPimNgIfTxRegisterStopErrs indicates the number of PIM errors while trasmitting PIM Register Stop messages on this interface.
registerStops [Register Stops] (vRtrPimNgIfTxRegisterStops)	long	The value of vRtrPimNgIfTxRegisterStops indicates the number of PIM Register Stop messages transmitted on this interface.
rxAssertErrs [Rx Assert Errs] (vRtrPimNgIfRxAssertErrs)	long	The value of vRtrPimNgIfRxAssertErrs indicates the number of errors while processing Assert messages received on this interface.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxAsserts [Rx Asserts] (vRtrPimNgIfRxAsserts)	long	The value of vRtrPimNgIfRxAsserts indicates the number of PIM Assert messages received on this interface.
rxAutoRpAnnounce [Rx Auto Rp Announce] (vRtrPimNgIfRxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounce indicates the number Auto-RP announcements received on this interface.
rxAutoRpAnnounceErrs [Rx Auto Rp Announce Errs] (vRtrPimNgIfRxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfRxAutoRpAnnounceErrs indicates the number of errors while processing Auto-RP announcements received on this interface.
rxAutoRpGenErrs [Rx Auto Rp Gen Errs] (vRtrPimNgIfRxAutoRpGenErrs)	long	The value of the object vRtrPimNgIfRxAutoRpGenErrs indicates the number of errors while processing Auto-RP messages received on this interface.
rxAutoRpMapping [Rx Auto Rp Mapping] (vRtrPimNgIfRxAutoRpMapping)	long	The value of the object vRtrPimNgIfRxAutoRpMapping indicates the number of Auto-RP mappings received on this interface.
rxAutoRpMappingErrs [Rx Auto Rp Mapping Errs] (vRtrPimNgIfRxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfRxAutoRpMappingErrs indicates the number of errors while processing Auto-RP mappings received on this interface.
rxBadChecksumDiscards [Rx Bad Checksum Discards] (vRtrPimNgIfRxBadChecksumDiscard)	long	The value of vRtrPimNgIfRxBadChecksumDiscard indicates the number of PIM messages received on this interface which were discarded because of bad checksum.
rxBadEncodings [Rx Bad Encodings] (vRtrPimNgIfRxBadEncodings)	long	The value of vRtrPimNgIfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
rxBadVersionDiscards [Rx Bad Version Discards] (vRtrPimNgIfRxBadVersionDiscard)	long	The value of vRtrPimNgIfRxBadVersionDiscard indicates the number of PIM messages with bad versions received on this interface.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBsmPduDrops [Rx Bsm Pdu Drops] (vRtrPimNgIfRxBsmPduDrops)	long	The value of vRtrPimNgIfRxBsmPduDrops indicates the number of Bootstrap Messages received on this interface but were dropped.
rxBsmPdus [Rx Bsm Pdus] (vRtrPimNgIfRxBsmPdus)	long	The value of vRtrPimNgIfRxBsmPdus indicates the number of Bootstrap Messages received on this interface.
rxCRPAdvNoRouterAlert [Rx CRPAdv No Router Alert] (vRtrPimNgIfRxCRPAdvNoRtrAlert)	long	The value of vRtrPimNgIfRxCRPAdvNoRtrAlert indicates the number of Candidate-RP Advertisements(C-RP-Adv) received on this interface which had no router alert option set.
rxHellos [Rx Hellos] (vRtrPimNgIfRxHellos)	long	The value of vRtrPimNgIfRxHellos indicates the number of PIM hello messages received on this interface.
rxHellosDropped [Rx Hellos Dropped] (vRtrPimNgIfRxHellosDropped)	long	The value of vRtrPimNgIfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
rxNbrUnknown [Rx Nbr Unknown] (vRtrPimNgIfRxNbrUnknown)	long	The value of vRtrPimNgIfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
rxNullRegisters [Rx Null Registers] (vRtrPimNgIfRxNullRegisters)	long	The value of vRtrPimNgIfRxNullRegisters indicates the number of PIM Null Register messages received on this interface.
rxPkts [Rx Pkts] (vRtrPimNgIfRxPkts)	long	The value of vRtrPimNgIfRxPkts indicates the number of multicast data packets received on this interface.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxRegisterErrs [Rx Register Errs] (vRtrPimNgIfRxRegisterErrs)	long	The value of vRtrPimNgIfRxRegisterErrs indicates the number of errors while processing Register messages received on this interface.
rxRegisterStopErrs [Rx Register Stop Errs] (vRtrPimNgIfRxRegisterStopErrs)	long	The value of vRtrPimNgIfRxRegisterStopErrs indicates the number of errors while processing Register Stop messages received on this interface.
rxRegisterStops [Rx Register Stops] (vRtrPimNgIfRxRegisterStops)	long	The value of vRtrPimNgIfRxRegisterStops indicates the number of PIM Register Stop messages received on this interface.
rxRegisters [Rx Registers] (vRtrPimNgIfRxRegisters)	long	The value of vRtrPimNgIfRxRegisters indicates the number of PIM Register messages received on this interface.
rxUnknownPdus [Rx Unknown Pdus] (vRtrPimNgIfRxUnknownPdus)	long	The value of vRtrPimNgIfRxUnknownPdus indicates the number of packets received with an unsupported PIM type.
sgTypes [Sg Types] (vRtrPimNgIfSGTypes)	long	The value of vRtrPimNgIfSGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'sg'.
starGTypes [Star GTypes] (vRtrPimNgIfStarGTypes)	long	The value of vRtrPimNgIfStarGTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIf-GrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgIfStarStarRPTypes)	long	The value of vRtrPimNgIfStarStarRPTypes indicates the number of entries in vRtrPimNgIfGrpSrcTable for which vRtrPimNgIfGrpSrcType is 'starStarRP'.
txAsserts [Tx Asserts] (vRtrPimNgIfTxAsserts)	long	The value of vRtrPimNgIfTxAsserts indicates the number of PIM Assert messages transmitted on this interface.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txAutoRpAnnounce [Tx Auto Rp Announce] (vRtrPimNgIfTxAutoRpAnnounce)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounce indicates the number of Auto-RP announcements transmitted on this interface.
txAutoRpAnnounceErrs [Tx Auto Rp Announce Errs] (vRtrPimNgIfTxAutoRpAnnounceErrs)	long	The value of the object vRtrPimNgIfTxAutoRpAnnounceErrs indicates the number of errors while transmitting Auto-RP announcements on this interface.
txAutoRpMapping [Tx Auto Rp Mapping] (vRtrPimNgIfTxAutoRpMapping)	long	The value of the object vRtrPimNgIfTxAutoRpMapping indicates the number of Auto-RP mappings transmitted on this interface.
txAutoRpMappingErrs [Tx Auto Rp Mapping Errs] (vRtrPimNgIfTxAutoRpMappingErrs)	long	The value of the object vRtrPimNgIfTxAutoRpMappingErrs indicates the number of errors while transmitting Auto-RP mappings on this interface.
txHellos [Tx Hellos] (vRtrPimNgIfTxHellos)	long	The value of vRtrPimNgIfTxHellos indicates the number of PIM Hello messages transmitted on this interface.
txPkts [Tx Pkts] (vRtrPimNgIfTxPkts)	long	The value of vRtrPimNgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
PimGenSiteStats MIB entry name: vRtrPimNgGenStatEntry Entry description: An entry in the vRtrPimNgGenStatTable. Table description (for vRtrPimNgGenStatTable): vRtrPimNgGenStatTable lists PIM statistics for a particular PIM instance. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pim.Site • pim.SiteExtension 		

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardCrpaDrops [Forward Crpa Drops] (vRtrPimNgGenStatFwdCrpaDrops)	long	The value of vRtrPimNgGenStatFwdCrpaDrops indicates the number of times the Candidate-RP Advertisements(C-RP-Adv) could not be forwarded by the router.
forwardCrpaPdus [Forward Crpa Pdu] (vRtrPimNgGenStatForwardCrpaPdus)	long	The value of vRtrPimNgGenStatForwardCrpaPdus indicates the number of Candidate-RP Advertisements(C-RP-Adv) that were forwarded by the router. C-RP-Adv's are forwarded when the received advertisement has a router alert set and the destination address is not the router's local address.
rxActiveMdts [Rx Active Mdts] (vRtrPimNgGenStatRxActiveMdts)	long	The value of vRtrPimNgGenStatRxActiveMdts indicates number of active Mdts on which the PE is receiving packets. This object is applicable to VPRNs only.
rxCrpaPduDrops [Rx Crpa Pdu Drops] (vRtrPimNgGenStatRxCrpaPduDrops)	long	The value of vRtrPimNgGenStatRxCrpaPduDrops indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance, but were dropped.
rxCrpaPdus [Rx Crpa Pdu] (vRtrPimNgGenStatRxCrpaPdus)	long	The value of vRtrPimNgGenStatRxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) received by this instance.
rxMdtJoinTlvErrs [Rx Mdt Join Tlv Errs] (vRtrPimNgGenStatRxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatRxMdtJnTlvErrs indicates indicates number of times MDT Join TLVs were dropped due to errors in the received TLV.
rxMdtJoinTlvs [Rx Mdt Join Tlvs] (vRtrPimNgGenStatRxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatRxMdtJoinTlvs indicates the number of times MDT Join TLV were received.
sgTypes [Sg Types] (vRtrPimNgGenStatSGTypes)	long	The value of vRtrPimNgGenStatSGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'sg'.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
starGTypes [Star GTypes] (vRtrPimNgGenStatStarGTypes)	long	The value of vRtrPimNgGenStatStarGTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starG'.
starStarRPTypes [Star Star RPTypes] (vRtrPimNgGenStatStarStarRPTypes)	long	The value of vRtrPimNgGenStatStarStarRPTypes indicates the number of entries in vRtrPimNgGrpSrcTable for which vRtrPimNgGrpSrcType is 'starStarRP'.
txActiveMdts [Tx Active Mdts] (vRtrPimNgGenStatTxActiveMdts)	long	The value of vRtrPimNgGenStatTxActiveMdts indicates the number of active MDTs on which the PE is forwarding packets. This object is applicable to VPRNs only.
txCrpaPduErrs [Tx Crpa Pdu Errs] (vRtrPimNgGenStatTxCrpaPduErrs)	long	The value of vRtrPimNgGenStatTxCrpaPduErrs indicates the number of errors while transmitting PIM Candidate-RP Advertisements (C-RP-Adv).
txCrpaPdus [Tx Crpa Pdus] (vRtrPimNgGenStatTxCrpaPdus)	long	The value of vRtrPimNgGenStatTxCrpaPdus indicates the number of PIM Candidate-RP Advertisements (C-RP-Adv) transmitted by this router instance.
txMdtJoinTlvErrs [Tx Mdt Join Tlv Errs] (vRtrPimNgGenStatTxMdtJnTlvErrs)	long	The value of vRtrPimNgGenStatTxMdtJnTlvErrs indicates the number of times MDT Join TLV could not be transmitted.
txMdtJoinTlvs [Tx Mdt Join Tlvs] (vRtrPimNgGenStatTxMdtJoinTlvs)	long	The value of vRtrPimNgGenStatTxMdtJoinTlvs indicates the number of times MDT Join TLV were transmitted.
txNullRegisters [Tx Null Registers] (vRtrPimNgGenStatTxNullRegisters)	long	The value of vRtrPimNgGenStatTxNullRegisters indicates the number of PIM Null Register messages transmitted by this instance.
txRegisterErrs [Tx Register Errs] (vRtrPimNgGenStatTxRegisterErrs)	long	The value of vRtrPimNgGenStatTxRegisterErrs indicates the number the times there was an error while transmitting PIM Register messages by this instance.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txRegisterTTLDrops [Tx Register TTLDrops] (vRtrPimNgGenStatTxRegTTLDrops)	long	The value of vRtrPimNgGenStatTxRegTTLDrops indicates the number of multicast data packets which could not be encapsulated in Register messages because the Time To Live (TTL) was zero.
txRegisters [Tx Registers] (vRtrPimNgGenStatTxRegisters)	long	The value of vRtrPimNgGenStatTxRegisters indicates the number of PIM Register messages transmitted by this instance.
<p>PimGroupStats</p> <p>MIB entry name: vRtrPimNgGrpSrcStatEntry</p> <p>Entry description: An entry in the vRtrPimNgGrpSrcStatTable.</p> <p>Table description (for vRtrPimNgGrpSrcStatTable): vRtrPimNgGrpSrcStatTable contains statistics for the entries in the vRtrPimNgGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pim.Groups</p>		
discardedPkts [Discarded Pkts] (vRtrPimNgGrpSrcStatDscrdPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatDscrdPkts indicates the number of multicast packets that matched this source group entry but were discarded. For (S,G) entries, if the traffic is getting forwarded on the SPT, the packets arriving from the RPT will be discarded.
forwardedOctets [Forwarded Octets] (vRtrPimNgGrpSrcStatFrdedOct)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list.
forwardedPkts [Forwarded Pkts] (vRtrPimNgGrpSrcStatFrwdedPkts)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatFrwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. vRtrPimNgGrpSrcIfTable lists all the interfaces in the outgoing interface list. This packet count is calculated before ingress QoS policing or shaping is applied.

Table 662 pim statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rpfMismatches [Rpf Mismatches] (vRtrPimNgGrpSrcStatRPFMsmtch)	java. math. BigInteger	The value of vRtrPimNgGrpSrcStatRPFMsmtch indicates the number of multicast packets that matched this source group entry but they did not arrive on the the interface indicated by vRtrPimNgGrpSrcRpfIndex.

Table 663 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IEEEPTPPortStats</p> <p>MIB entry name: tmnxPtpPortStatsEntry</p> <p>Entry description: The tmnxPtpPortStatsEntry contains the directional packet statistics for a specific Ethernet port configured for direct transport of PTP over Ethernet. Rows are created and destroyed by the system, when corresponding entries in the tmnxPtpPortTable are created and deleted.</p> <p>Table description (for tmnxPtpPortStatsTable): The tmnxPtpPortStatsTable contains packet statistics for Ethernet ports configured for direct transport of PTP over Ethernet.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPort</p>		
ptpPortStatAnnounce [Ptp Port Stat Announce] (tmnxPtpPortStatAnnounce)	long	The value of tmnxPtpPortStatAnnounce indicates the number of accumulated PTP Announce packets transmitted or received on the Ethernet port.
ptpPortStatDelayRequest [Ptp Port Stat Delay Request] (tmnxPtpPortStatDelayRequest)	long	The value of tmnxPtpPortStatDelayRequest indicates the number of accumulated PTP Delay Request packets transmitted or received on the Ethernet port.
ptpPortStatDelayResponse [Ptp Port Stat Delay Response] (tmnxPtpPortStatDelayResponse)	long	The value of tmnxPtpPortStatDelayResponse indicates the number of accumulated PTP Delay Response packets transmitted or received on the Ethernet port.
ptpPortStatDirection [Ptp Port Stat Direction] (tmnxPtpPortStatDirection)	int	The value of tmnxPtpPortStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPortStatDropAltMaster [Ptp Port Stat Drop Alt Master] (tmnxPtpPortStatDropAltMaster)	long	The value of tmnxPtpPortStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatDropBadDomain [Ptp Port Stat Drop Bad Domain] (tmnxPtpPortStatDropBadDomain)	long	The value of tmnxPtpPortStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOther [Ptp Port Stat Drop Other] (tmnxPtpPortStatDropOther)	long	The value of tmnxPtpPortStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in tmnxPtpPortStatDropBadDomain, tmnxPtpPortStatDropAltMaster, and tmnxPtpPortStatDropOutOfSeq. This object is accumulated for the 'rx' direction only.
ptpPortStatDropOutOfSeq [Ptp Port Stat Drop Out Of Seq] (tmnxPtpPortStatDropOutOfSeq)	long	The value of tmnxPtpPortStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPortStatFollowUp [Ptp Port Stat Follow Up] (tmnxPtpPortStatFollowUp)	long	The value of tmnxPtpPortStatFollowUp indicates the number of accumulated PTP Follow-Up packets transmitted or received on the Ethernet port. Because 'tmnxPtpClockStep-Type' is 'oneStep (1)', the system will never transmit PTP Follow-Up packets. However, it may receive PTP Follow-Up packets from a two-step master or boundary clock.
ptpPortStatOther [Ptp Port Stat Other] (tmnxPtpPortStatOther)	long	The value of tmnxPtpPortStatOther indicates the number of accumulated PTP packets of all other types. This object is accumulated in the 'rx' direction only.
ptpPortStatSignaling [Ptp Port Stat Signaling] (tmnxPtpPortStatSignaling)	long	The value of tmnxPtpPortStatSignaling indicates the number of accumulated PTP Signaling packets received on the Ethernet port. This object is accumulated in the 'rx' direction only.
ptpPortStatSync [Ptp Port Stat Sync] (tmnxPtpPortStatSync)	long	The value of tmnxPtpPortStatSync indicates the number of accumulated PTP Sync packets transmitted or received on the Ethernet port.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPortStatTimeStampCpm [Ptp Port Stat Time Stamp Cpm] (tmnxPtpPortStatTimeStampCpm)	long	The value of tmnxPtpPortStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp is taken at the operating system kernel on the CPM card.
ptpPortStatTimeStampPort [Ptp Port Stat Time Stamp Port] (tmnxPtpPortStatTimeStampPort)	long	The value of tmnxPtpPortStatTimeStampPort indicates the accumulated packet statistics for PTP event packets on the Ethernet port where the timestamp is taken at the physical layer on the Ethernet port.
<p>PTPClockPacketStats</p> <p>MIB entry name: tmnxPtpClockPacketStatsEntry</p> <p>Entry description: The tmnxPtpClockPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpClockPacketStatsTable): The tmnxPtpClockPacketStatsTable consists of the packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPClock</p>		
ptpClkPktStatsAnnounce [Ptp Clk Pkt Stats Announce] (tmnxPtpClkPktStatsAnnounce)	long	The value of tmnxPtpClkPktStatsAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpClkPktStatsDelayRequest [Ptp Clk Pkt Stats Delay Request] (tmnxPtpClkPktStatsDelayRequest)	long	The value of tmnxPtpClkPktStatsDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpClkPktStatsDelayResp [Ptp Clk Pkt Stats Delay Resp] (tmnxPtpClkPktStatsDelayResp)	long	The value of tmnxPtpClkPktStatsDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpClkPktStatsDirection [Ptp Clk Pkt Stats Direction] (tmnxPtpClkPktStatsDirection)	int	The value of tmnxPtpClkPktStatsDirection specifies which direction the packet statistics for the particular row are accumulated.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsDropAltMaster [Ptp Clk Pkt Stats Drop Alt Master] (tmnxPtpClkPktStatsDropAltMaster)	long	The value of tmnxPtpClkPktStatsDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropBadDomain [Ptp Clk Pkt Stats Drop Bad Domain] (tmnxPtpClkPktStatsDropBadDomain)	long	The value of tmnxPtpClkPktStatsDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOther [Ptp Clk Pkt Stats Drop Other] (tmnxPtpClkPktStatsDropOther)	long	The value of tmnxPtpClkPktStatsDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpClkPktStatsDropBadDomain', 'tmnxPtpClkPktStatsDropAltMaster', 'tmnxPtpClkPktStatsDropOutOfSeq', and 'tmnxPtpClkPktStatsDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropOutOfSeq [Ptp Clk Pkt Stats Drop Out Of Seq] (tmnxPtpClkPktStatsDropOutOfSeq)	long	The value of tmnxPtpClkPktStatsDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsDropPeerShut [Ptp Clk Pkt Stats Drop Peer Shut] (tmnxPtpClkPktStatsDropPeerShut)	long	The value of tmnxPtpClkPktStatsDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsFollowUp [Ptp Clk Pkt Stats Follow Up] (tmnxPtpClkPktStatsFollowUp)	long	The value of tmnxPtpClkPktStatsFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpClkPktStatsOther [Ptp Clk Pkt Stats Other] (tmnxPtpClkPktStatsOther)	long	The value of tmnxPtpClkPktStatsOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsOtherTLVs [Ptp Clk Pkt Stats Other TLVs] (tmnxPtpClkPktStatsOtherTLVs)	long	The value of tmnxPtpClkPktStatsOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.
ptpClkPktStatsSignaling [Ptp Clk Pkt Stats Signaling] (tmnxPtpClkPktStatsSignaling)	long	The value of tmnxPtpClkPktStatsSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpClkPktStatsSync [Ptp Clk Pkt Stats Sync] (tmnxPtpClkPktStatsSync)	long	The value of tmnxPtpClkPktStatsSync indicates the accumulated packet statistics for PTP Sync messages.
ptpClkPktStatsTimeStampCpm [Ptp Clk Pkt Stats Time Stamp Cpm] (tmnxPtpClkPktStatsTimeStampCpm)	long	The value of tmnxPtpClkPktStatsTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpClkPktStatsTimeStampPort [Ptp Clk Pkt Stats Time Stamp Port] (tmnxPtpClkPktStatsTimeStampPort)	long	The value of tmnxPtpClkPktStatsTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.
ptpClkPktStatsUniAckCnclAnno [Ptp Clk Pkt Stats Uni Ack Cncl Anno] (tmnxPtpClkPktStatsUniAckCnclAnno)	long	The value of tmnxPtpClkPktStatsUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpClkPktStatsUniAckCnclDly [Ptp Clk Pkt Stats Uni Ack Cncl Dly] (tmnxPtpClkPktStatsUniAckCnclDly)	long	The value of tmnxPtpClkPktStatsUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpClkPktStatsUniAckCnclSync [Ptp Clk Pkt Stats Uni Ack Cncl Sync] (tmnxPtpClkPktStatsUniAckCnclSync)	long	The value of tmnxPtpClkPktStatsUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniCancelAnno [Ptp Clk Pkt Stats Uni Cancel Anno] (tmnxPtpClkPktStatsUniCancelAnno)	long	The value of tmnxPtpClkPktStatsUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpClkPktStatsUniCancelDelay [Ptp Clk Pkt Stats Uni Cancel Delay] (tmnxPtpClkPktStatsUniCancelDelay)	long	The value of tmnxPtpClkPktStatsUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpClkPktStatsUniCancelSync [Ptp Clk Pkt Stats Uni Cancel Sync] (tmnxPtpClkPktStatsUniCancelSync)	long	The value of tmnxPtpClkPktStatsUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.
ptpClkPktStatsUniDenyAnno [Ptp Clk Pkt Stats Uni Deny Anno] (tmnxPtpClkPktStatsUniDenyAnno)	long	The value of tmnxPtpClkPktStatsUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenyDelRsp [Ptp Clk Pkt Stats Uni Deny Del Rsp] (tmnxPtpClkPktStatsUniDenyDelRsp)	long	The value of tmnxPtpClkPktStatsUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniDenySync [Ptp Clk Pkt Stats Uni Deny Sync] (tmnxPtpClkPktStatsUniDenySync)	long	The value of tmnxPtpClkPktStatsUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpClkPktStatsUniGrantAnno [Ptp Clk Pkt Stats Uni Grant Anno] (tmnxPtpClkPktStatsUniGrantAnno)	long	The value of tmnxPtpClkPktStatsUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniGrantDelRsp [Ptp Clk Pkt Stats Uni Grant Del Rsp] (tmnxPtpClkPktStatsUniGrantDelRsp)	long	The value of tmnxPtpClkPktStatsUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpClkPktStatsUniGrantSync [Ptp Clk Pkt Stats Uni Grant Sync] (tmnxPtpClkPktStatsUniGrantSync)	long	The value of tmnxPtpClkPktStatsUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpClkPktStatsUniReqAnno [Ptp Clk Pkt Stats Uni Req Anno] (tmnxPtpClkPktStatsUniReqAnno)	long	The value of tmnxPtpClkPktStatsUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpClkPktStatsUniReqDelayRsp [Ptp Clk Pkt Stats Uni Req Delay Rsp] (tmnxPtpClkPktStatsUniReqDelayRsp)	long	The value of tmnxPtpClkPktStatsUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.
ptpClkPktStatsUniReqSync [Ptp Clk Pkt Stats Uni Req Sync] (tmnxPtpClkPktStatsUniReqSync)	long	The value of tmnxPtpClkPktStatsUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
PTPClockRecoveryEventStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsDlyHiPktLss [Tmnx Ptp Clock Rec Stats Dly Hi Pkt Lss] (tmnxPtpClockRecStatsDlyHiPktLss)	long	The value of tmnxPtpClockRecStatsDlyHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the delay request/response flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsDlyHighPDV [Tmnx Ptp Clock Rec Stats Dly High PDV] (tmnxPtpClockRecStatsDlyHighPDV)	long	The value of tmnxPtpClockRecStatsDlyHighPDV indicates the number of times that the clock recovery process has determined that a sample of delay request packets to the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPtpClockRecStatsDlyPktLoss [Tmnx Ptp Clock Rec Stats Dly Pkt Loss] (tmnxPtpClockRecStatsDlyPktLoss)	long	The value of tmnxPtpClockRecStatsDlyPktLoss indicates the number of times that the clock recovery process detected packet loss in the delay request/response packet flow from the best master clock.
tmnxPtpClockRecStatsDlyStep [Tmnx Ptp Clock Rec Stats Dly Step] (tmnxPtpClockRecStatsDlyStep)	long	The value of tmnxPtpClockRecStatsDlyStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for delay request packets to be sent to the best master clock. This normally occurs if the route taken by packets to the best master changes.
tmnxPtpClockRecStatsSyncHiPktLss [Tmnx Ptp Clock Rec Stats Sync Hi Pkt Lss] (tmnxPtpClockRecStatsSyncHiPktLss)	long	The value of tmnxPtpClockRecStatsSyncHiPktLss indicates the number of times that the clock recovery process detected a large amount of packet loss in the sync flow from the remote master clock. When this event occurs, the clock recovery process restarts.
tmnxPtpClockRecStatsSyncHighPDV [Tmnx Ptp Clock Rec Stats Sync High PDV] (tmnxPtpClockRecStatsSyncHighPDV)	long	The value of tmnxPtpClockRecStatsSyncHighPDV indicates the number of times that the clock recovery process has determined that a sample of sync packets from the best master clock had too much packet delay variation to be useful in recovering the clock from the best master. When this event occurs, the entire sample of packets is not used in the clock recovery process.
tmnxPtpClockRecStatsSyncPktLoss [Tmnx Ptp Clock Rec Stats Sync Pkt Loss] (tmnxPtpClockRecStatsSyncPktLoss)	long	The value of tmnxPtpClockRecStatsSyncPktLoss indicates the number of times that the clock recovery process detected packet loss in the sync packet flow from the best master clock.
tmnxPtpClockRecStatsSyncStep [Tmnx Ptp Clock Rec Stats Sync Step] (tmnxPtpClockRecStatsSyncStep)	long	The value of tmnxPtpClockRecStatsSyncStep indicates the number of times that the clock recovery process detected a large change in the amount of time taken for sync packets to be sent from the best master clock. This normally occurs if the route taken by packets from the best master changes.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PTPClockRecoveryStateStats MIB entry name: tmnxPtpClockRecoveryStatistics Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPClock		
tmnxPtpClockRecStatsAcquiring [Tmnx Ptp Clock Rec Stats Acquiring] (tmnxPtpClockRecStatsAcquiring)	java. math. BigInteger	The value of tmnxPtpClockRecStatsAcquiring indicates the number of seconds that the clock recovery system has been in the acquiring state.
tmnxPtpClockRecStatsHoldover [Tmnx Ptp Clock Rec Stats Holdover] (tmnxPtpClockRecStatsHoldover)	java. math. BigInteger	The value of tmnxPtpClockRecStatsHoldover indicates the number of seconds that the clock recovery system has been in the hold-over state.
tmnxPtpClockRecStatsInitial [Tmnx Ptp Clock Rec Stats Initial] (tmnxPtpClockRecStatsInitial)	java. math. BigInteger	The value of tmnxPtpClockRecStatsInitial indicates the number of seconds that the clock recovery system has been in the initial state.
tmnxPtpClockRecStatsLocked [Tmnx Ptp Clock Rec Stats Locked] (tmnxPtpClockRecStatsLocked)	java. math. BigInteger	The value of tmnxPtpClockRecStatsLocked indicates the number of seconds that the clock recovery system has been in the locked state.
tmnxPtpClockRecStatsPhaseTrack [Tmnx Ptp Clock Rec Stats Phase Track] (tmnxPtpClockRecStatsPhaseTrack)	java. math. BigInteger	The value of tmnxPtpClockRecStatsPhaseTrack indicates the number of seconds that the clock recovery system has been in the phase tracking state.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPPeerPacketStats</p> <p>MIB entry name: tmnxPtpPeerPacketStatsEntry</p> <p>Entry description: The tmnxPtpPeerPacketStatsEntry contain the directional packet statistics for the Precision Time Protocol (PTP). Rows are created and destroyed by the system.</p> <p>Table description (for tmnxPtpPeerPacketStatsTable): The tmnxPtpPeerPacketStatsTable consists of the per peer packet statistics associated with the Precision Time Protocol (PTP).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEEPTPPeer</p>		
ptpPeerPktStatAnnounce [Ptp Peer Pkt Stat Announce] (tmnxPtpPeerPktStatAnnounce)	long	The value of tmnxPtpPeerPktStatAnnounce indicates the accumulated packet statistics for PTP Announce messages.
ptpPeerPktStatDelayRequest [Ptp Peer Pkt Stat Delay Request] (tmnxPtpPeerPktStatDelayRequest)	long	The value of tmnxPtpPeerPktStatDelayRequest indicates the accumulated packet statistics for PTP Delay Request messages.
ptpPeerPktStatDelayResp [Ptp Peer Pkt Stat Delay Resp] (tmnxPtpPeerPktStatDelayResp)	long	The value of tmnxPtpPeerPktStatDelayResp indicates the accumulated packet statistics for PTP Delay Response messages.
ptpPeerPktStatDirection [Ptp Peer Pkt Stat Direction] (tmnxPtpPeerPktStatDirection)	int	The value of tmnxPtpPeerPktStatDirection specifies which direction the packet statistics for the particular row are accumulated.
ptpPeerPktStatDropAltMaster [Ptp Peer Pkt Stat Drop Alt Master] (tmnxPtpPeerPktStatDropAltMaster)	long	The value of tmnxPtpPeerPktStatDropAltMaster indicates the accumulated packet statistics for PTP packets dropped because the PTP header has the 'alternateMasterFlag' set. This object is accumulated for the 'rx' direction only.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatDropBadDomain [Ptp Peer Pkt Stat Drop Bad Domain] (tmnxPtpPeerPktStatDropBadDomain)	long	The value of tmnxPtpPeerPktStatDropBadDomain indicates the accumulated packet statistics for PTP packets dropped because the PTP domain indicated in the packet does not match the configured PTP domain. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOther [Ptp Peer Pkt Stat Drop Other] (tmnxPtpPeerPktStatDropOther)	long	The value of tmnxPtpPeerPktStatDropOther indicates the accumulated packet statistics for PTP packets dropped and not counted in the 'tmnxPtpPeerPktStatDropBadDomain', 'tmnxPtpPeerPktStatDropAltMaster', 'tmnxPtpPeerPktStatDropOutOfSeq', and 'tmnxPtpPeerPktStatDropPeerShut' objects. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropOutOfSeq [Ptp Peer Pkt Stat Drop Out Of Seq] (tmnxPtpPeerPktStatDropOutOfSeq)	long	The value of tmnxPtpPeerPktStatDropOutOfSeq indicates the accumulated packet statistics for PTP packets dropped because the packets were received out of sequence. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatDropPeerShut [Ptp Peer Pkt Stat Drop Peer Shut] (tmnxPtpPeerPktStatDropPeerShut)	long	The value of tmnxPtpPeerPktStatDropPeerShut indicates the accumulated packet statistics for PTP packets dropped because the packets were received from a PTP peer that has been administratively disabled. This object is accumulated for the 'rx' direction only.
ptpPeerPktStatFollowUp [Ptp Peer Pkt Stat Follow Up] (tmnxPtpPeerPktStatFollowUp)	long	The value of tmnxPtpPeerPktStatFollowUp indicates the accumulated packet statistics for PTP Follow Up messages.
ptpPeerPktStatOther [Ptp Peer Pkt Stat Other] (tmnxPtpPeerPktStatOther)	long	The value of tmnxPtpPeerPktStatOther indicates the accumulated packet statistics for all other PTP messages. This object is accumulated in the 'rx' direction only.
ptpPeerPktStatOtherTLVs [Ptp Peer Pkt Stat Other TLVs] (tmnxPtpPeerPktStatOtherTLVs)	long	The value of tmnxPtpPeerPktStatOtherTLVs indicates the accumulated packet statistics for other PTP TLV signaling messages. This object is accumulated for the 'rx' direction only.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatSignaling [Ptp Peer Pkt Stat Signaling] (tmnxPtpPeerPktStatSignaling)	long	The value of tmnxPtpPeerPktStatSignaling indicates the accumulated packet statistics for PTP signaling messages.
ptpPeerPktStatSync [Ptp Peer Pkt Stat Sync] (tmnxPtpPeerPktStatSync)	long	The value of tmnxPtpPeerPktStatSync indicates the accumulated packet statistics for PTP Sync messages.
ptpPeerPktStatUniAckCnclAnno [Ptp Peer Pkt Stat Uni Ack Cncl Anno] (tmnxPtpPeerPktStatUniAckCnclAnno)	long	The value of tmnxPtpPeerPktStatUniAckCnclAnno indicates the accumulated packet statistics for Unicast Acknowledge Cancel Announce TLVs.
ptpPeerPktStatUniAckCnclDly [Ptp Peer Pkt Stat Uni Ack Cncl Dly] (tmnxPtpPeerPktStatUniAckCnclDly)	long	The value of tmnxPtpPeerPktStatUniAckCnclDly indicates the accumulated packet statistics for Unicast Acknowledge Cancel Delay Response TLVs.
ptpPeerPktStatUniAckCnclSync [Ptp Peer Pkt Stat Uni Ack Cncl Sync] (tmnxPtpPeerPktStatUniAckCnclSync)	long	The value of tmnxPtpPeerPktStatUniAckCnclSync indicates the accumulated packet statistics for Unicast Acknowledge Cancel Sync TLVs.
ptpPeerPktStatUniCancelAnno [Ptp Peer Pkt Stat Uni Cancel Anno] (tmnxPtpPeerPktStatUniCancelAnno)	long	The value of tmnxPtpPeerPktStatUniCancelAnno indicates the accumulated packet statistics for Unicast Cancel Announce TLVs.
ptpPeerPktStatUniCancelDelay [Ptp Peer Pkt Stat Uni Cancel Delay] (tmnxPtpPeerPktStatUniCancelDelay)	long	The value of tmnxPtpPeerPktStatUniCancelDelay indicates the accumulated packet statistics for Unicast Cancel Delay TLVs.
ptpPeerPktStatUniCancelSync [Ptp Peer Pkt Stat Uni Cancel Sync] (tmnxPtpPeerPktStatUniCancelSync)	long	The value of tmnxPtpPeerPktStatUniCancelSync indicates the accumulated packet statistics for Unicast Cancel Sync TLVs.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniDenyAnno [Ptp Peer Pkt Stat Uni Deny Anno] (tmnxPtpPeerPktStatUniDenyAnno)	long	The value of tmnxPtpPeerPktStatUniDenyAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenyDelRsp [Ptp Peer Pkt Stat Uni Deny Del Rsp] (tmnxPtpPeerPktStatUniDenyDelRsp)	long	The value of tmnxPtpPeerPktStatUniDenyDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniDenySync [Ptp Peer Pkt Stat Uni Deny Sync] (tmnxPtpPeerPktStatUniDenySync)	long	The value of tmnxPtpPeerPktStatUniDenySync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was denied. The request was denied if the duration indicated in the TLV was zero.
ptpPeerPktStatUniGrantAnno [Ptp Peer Pkt Stat Uni Grant Anno] (tmnxPtpPeerPktStatUniGrantAnno)	long	The value of tmnxPtpPeerPktStatUniGrantAnno indicates the accumulated packet statistics for Unicast Grant Announce TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantDelRsp [Ptp Peer Pkt Stat Uni Grant Del Rsp] (tmnxPtpPeerPktStatUniGrantDelRsp)	long	The value of tmnxPtpPeerPktStatUniGrantDelRsp indicates the accumulated packet statistics for Unicast Grant Delay Response TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniGrantSync [Ptp Peer Pkt Stat Uni Grant Sync] (tmnxPtpPeerPktStatUniGrantSync)	long	The value of tmnxPtpPeerPktStatUniGrantSync indicates the accumulated packet statistics for Unicast Grant Sync TLVs, where the request was granted. The request was granted if the duration indicated in the TLV was non-zero.
ptpPeerPktStatUniReqAnno [Ptp Peer Pkt Stat Uni Req Anno] (tmnxPtpPeerPktStatUniReqAnno)	long	The value of tmnxPtpPeerPktStatUniReqAnno indicates the accumulated packet statistics for Unicast Request Announce TLVs.
ptpPeerPktStatUniReqDelayRsp [Ptp Peer Pkt Stat Uni Req Delay Rsp] (tmnxPtpPeerPktStatUniReqDelayRsp)	long	The value of tmnxPtpPeerPktStatUniReqDelayRsp indicates the accumulated packet statistics for Unicast Request Delay Response TLVs.

Table 663 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ptpPeerPktStatUniReqSync [Ptp Peer Pkt Stat Uni Req Sync] (tmnxPtpPeerPktStatUniReqSync)	long	The value of tmnxPtpPeerPktStatUniReqSync indicates the accumulated packet statistics for Unicast Request Sync TLVs.
ptpPeerPktStatsTimeStampCpm [Ptp Peer Pkt Stats Time Stamp Cpm] (tmnxPtpPeerPktStatTimeStampCpm)	long	The value of tmnxPtpPeerPktStatTimeStampCpm indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the operating system kernel.
ptpPeerPktStatsTimeStampPort [Ptp Peer Pkt Stats Time Stamp Port] (tmnxPtpPeerPktStatTimeStampPort)	long	The value of tmnxPtpPeerPktStatTimeStampPort indicates the accumulated packet statistics for PTP event packets where the timestamp point is at the physical layer.

Table 664 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceReceiveStats</p> <p>MIB entry name: vRtrRipIfStatEntry</p> <p>Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface.</p> <p>Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (vRtrRipIfStatAllRcvBadPackets)	long	vRtrRipIfStatAllRcvBadPackets is the number of RIP updates received on this interface that were discarded as invalid.
v1BadRoutes [V1 Bad Routes] (vRtrRipIfStatV1BadRoutes)	long	vRtrRipIfStatV1BadRoutes is the number of routes, in valid RIPv1 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v1Requests [V1 Requests] (vRtrRipIfStatV1RcvRequests)	long	vRtrRipIfStatV1RcvRequests is the number of RIPv1 request packets received by the RIP process.
v1RequestsIgnored [V1 Requests Ignored] (vRtrRipIfStatV1BadRequests)	long	vRtrRipIfStatV1BadRequests is the number of RIPv1 request packets received by the RIP process that were subsequently discarded for any reason.
v1Updates [V1 Updates] (vRtrRipIfStatV1RcvUpdates)	long	vRtrRipIfStatV1RcvUpdates is the number of RIPv1 response packets received by the RIP process.
v1UpdatesIgnored [V1 Updates Ignored] (vRtrRipIfStatV1BadUpdates)	long	vRtrRipIfStatV1BadUpdates is the number of RIPv1 response packets received by the RIP process which were subsequently discarded for any reason.

Table 664 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v2AuthenticationErrors [V2 Authentication Errors] (vRtrRipIfStatAuthErrors)	long	vRtrRipIfStatAuthErrors is the number of RIPv2 packets received by the RIP process which were subsequently discarded because of an error authenticating the packet.
v2BadRoutes [V2 Bad Routes] (vRtrRipIfStatV2BadRoutes)	long	vRtrRipIfStatV2BadRoutes is the number of routes, in valid RIPv2 packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
v2Requests [V2 Requests] (vRtrRipIfStatV2RcvRequests)	long	vRtrRipIfStatV2RcvRequests is the number of RIPv2 request packets received by the RIP process.
v2RequestsIgnored [V2 Requests Ignored] (vRtrRipIfStatV2BadRequests)	long	vRtrRipIfStatV2BadRequests is the number of RIPv2 request packets received by the RIP process that were subsequently discarded for any reason.
v2Updates [V2 Updates] (vRtrRipIfStatV2RcvUpdates)	long	vRtrRipIfStatV2RcvUpdates is the number of RIPv2 response packets received by the RIP process.
v2UpdatesIgnored [V2 Updates Ignored] (vRtrRipIfStatV2BadUpdates)	long	vRtrRipIfStatV2BadUpdates is the number of RIPv2 response packets received by the RIP process which were subsequently discarded for any reason.
InterfaceTransmitStats MIB entry name: vRtrRipIfStatEntry Entry description: vRtrRipIfStatEntry is an entry (conceptual row) in the vRtrRipIfStatTable. Each entry represents statistical information for a RIP interface. Table description (for vRtrRipIfStatTable): vRtrRipIfStatTable is a read-only table which keeps statistical information about the interfaces monitoring RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		

Table 664 rip statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalUpdates [Total Updates] (vRtrRipIfStatAllSentUpdates)	long	vRtrRipIfStatAllSentUpdates is the number of all RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.
triggeredUpdates [Triggered Updates] (vRtrRipIfStatAllTriggeredUpdates)	long	vRtrRipIfStatAllTriggeredUpdates is the number of triggered RIP updates actually sent on this interface. This explicitly does include full updates sent containing new information.

Table 665 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AuthenticationKeyStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.AuthenticationKey</p>		
errorPacketsReceived [Error Packets Received] (vRtrRsvplfStatRxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors received on this RSVP interface.
errorPacketsTransmitted [Error Packets Transmitted] (vRtrRsvplfStatTxAuthErrors)	java. math. BigInteger	The total number of RSVP packets with MD5 errors sent by this RSVP interface.
<p>RsvpInterfaceReceiveStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
helloTimeout [Hello Timeout] (vRtrRsvplfStatHelloTimeout)	long	The total number of hello messages that timed out on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.
totalPackets [Total Packets] (vRtrRsvplfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceStats</p> <p>MIB entry name: vRtrRsvplfEntry</p> <p>Entry description: Each row entry in the vRtrRsvplfTable represents additional columns for attributes specific to the Nokia 7x50 SR RSVP implementation.</p> <p>Table description (for vRtrRsvplfTable): The vRtrRsvplfTable provides an extension of the rsvplfTable in the RSVP-MIB.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
activeReservations [Active Reservations] (vRtrRsvplfActiveReservationCount)	long	The total number of active RSVP sessions that have reserved bandwidth.
activeSessions [Active Sessions] (vRtrRsvplfActiveSessionCount)	long	The total number of active RSVP sessions on this interface. This count includes sessions that have requested bandwidth as well as sessions that have not requested any bandwidth.
bandwidth [Bandwidth] (vRtrRsvplfBandwidth)	long	The value of vRtrRsvplfBandwidth indicates the interface bandwidth in mega-bits per second (Mbps) for the RSVP protocol on this interface. This is typically the port Speed.
reservedBandwidth [Reserved Bandwidth] (vRtrRsvplfReservedBandwidth)	long	The value of vRtrRsvplfReservedBandwidth indicates the amount of bandwidth in mega-bits per second (Mbps) to reserved by the RSVP sessions on this interface. A value of zero (0) indicates that no bandwidth is reserved.
totalSessions [Total Sessions] (vRtrRsvplfTotalSessionCount)	long	The total number of RSVP sessions on this interface. This count includes sessions that are active as well as sessions that have been signalled but a response has not yet been received.

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpInterfaceTransmitStats</p> <p>MIB entry name: vRtrRsvplfStatEntry</p> <p>Entry description: Each row entry represents an interface running the RSVP protocol within a virtual router. Entries in this table cannot be created and deleted via SNMP SET operations. An entry in this table is created by the agent when the RSVP protocol is configured on a virtual router interface. The entry is destroyed when RSVP is removed from the interface.</p> <p>Table description (for vRtrRsvplfStatTable): The vRtrRsvplfStatTable contains objects for reporting statistics associated with an interface running RSVP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Interface</p>		
acks [Acks] (vRtrRsvplfStatRxAcks)	java. math. BigInteger	The total number of RSVP ACK messages received when refresh reduction is enabled on this RSVP interface.
bundles [Bundles] (vRtrRsvplfStatRxBundles)	java. math. BigInteger	The total number of RSVP bundled packets received on this RSVP interface. Bundled packets are sent when refresh reduction is enabled.
errorPackets [Error Packets] (vRtrRsvplfStatRxErrorPkts)	java. math. BigInteger	The total number of RSVP packets with errors received on this RSVP interface.
hellos [Hellos] (vRtrRsvplfStatRxHelloReqs)	java. math. BigInteger	The total number of RSVP HELLO REQ messages received on this RSVP interface.
packets [Packets] (vRtrRsvplfStatRxPkts)	java. math. BigInteger	The total number of error free RSVP packets received on this RSVP interface.

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathErrors [Path Errors] (vRtrRsvplfStatRxPathErrors)	java. math. BigInteger	The total number of RSVP PATH ERROR messages that have been transmitted on this RSVP interface.
pathTears [Path Tears] (vRtrRsvplfStatRxPathTears)	java. math. BigInteger	The total number of RSVP PATH TEAR messages that have been received on this RSVP interface.
paths [Paths] (vRtrRsvplfStatRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages that have been received on this RSVP interface.
refreshes [Refreshes] (vRtrRsvplfStatRxSRefreshes)	java. math. BigInteger	The total number of RSVP summary refresh, SREFRESH, messages received on this RSVP interface.
reserveConfirms [Reserve Confirms] (vRtrRsvplfStatRxResvConfirms)	java. math. BigInteger	The total number of RSVP RESV CONFIRM messages that have been received on this RSVP interface.
reserveErrors [Reserve Errors] (vRtrRsvplfStatRxResvErrors)	java. math. BigInteger	The total number of RSVP RESV ERROR messages that have been received on this RSVP interface.
reserveTears [Reserve Tears] (vRtrRsvplfStatRxResvTears)	java. math. BigInteger	The total number of RSVP RESV TEAR messages that have been received on this RSVP interface.
reserves [Reserves] (vRtrRsvplfStatRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages that have been received on this RSVP interface.

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalPackets [Total Packets] (vRtrRsvpIpfStatRxTotalPkts)	java. math. BigInteger	The total number of RSVP packets, including errors, received on this RSVP interface.
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.

Table 665 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 666 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
ttl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>DhcpRelayStats</p> <p>MIB entry name: vRtrIfDHCPRelayStatsEntry</p> <p>Entry description: Each row entry represents information related to DHCP Relay statistics for a virtual router interface in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrIfDHCPRelayStatsTable): The vRtrIfDHCPRelayStatsTable contains the statistics for the DHCP Relay agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.DhcpRelayConfiguration • rtr.GrplfDhcpRelayCfg • rtr.SublIfDhcpRelayCfg 		
authPktsDiscarded [Auth Pkts Discarded] (vRtrIfDHCPRelayAuthPktsDiscarded)	long	vRtrIfDHCPRelayAuthPktsDiscarded indicates the total number of packets discarded because authentication was not successful.
authPktsSuccess [Auth Pkts Success] (vRtrIfDHCPRelayAuthPktsSuccess)	long	vRtrIfDHCPRelayAuthPktsSuccess indicates the total number of packets for which authentication was successful.
clientPacketsDiscarded [Client Packets Discarded] (vRtrIfDHCPRelayClientPktsDiscarded)	long	vRtrIfDHCPRelayClientPktsDiscarded indicates the total number of client packets discarded by the DHCP relay agent.
clientPacketsRelayed [Client Packets Relayed] (vRtrIfDHCPRelayClientPktsRelayed)	long	vRtrIfDHCPRelayClientPktsRelayed indicates the total number of client packets relayed by the DHCP relay agent.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
clientPktsProxLS [Client Pkts Prox LS] (vRtrIfDHCPRelayClientPktsProxLS)	long	vRtrIfDHCPRelayClientPktsProxLS indicates the total number of client packets proxied by the DHCP relay agent based on a lease state. The lease itself can have been obtained from a DHCP or RADIUS server. This is the so called lease split functionality.
clientPktsProxNq [Client Pkts Prox Nq] (vRtrIfDHCPRelayClientPktsProxNq)	long	The value of the object vRtrIfDHCPRelayClientPktsProxNq indicates the total number of client packets proxied by the DHCP relay agent based on data received from a Diameter NASREQ server.
clientPktsProxRad [Client Pkts Prox Rad] (vRtrIfDHCPRelayClientPktsProxRad)	long	vRtrIfDHCPRelayClientPktsProxRad indicates the total number of client packets proxied by the DHCP relay agent based on data received from a RADIUS server.
clientPktsProxUDB [Client Pkts Prox UDB] (vRtrIfDHCPRelayClientPktsProxUDB)	long	vRtrIfDHCPRelayClientPktsProxUDB indicates the total number of client packets proxied by the DHCP relay agent based on the local user database.
pktsGenForceRenew [Pkts Gen Force Renew] (vRtrIfDHCPRelayPktsGenForceRenew)	long	vRtrIfDHCPRelayPktsGenForceRenew indicates the total number of DHCP FORCERENEW messages spoofed by the DHCP relay agent to the DHCP clients.
pktsGenRelease [Pkts Gen Release] (vRtrIfDHCPRelayPktsGenRelease)	long	vRtrIfDHCPRelayPktsGenRelease indicates the total number of DHCP RELEASE messages spoofed by the DHCP relay agent to the DHCP server.
receivedMalformedPackets [Received Malformed Packets] (vRtrIfDHCPRelayRxMalformedPkts)	long	vRtrIfDHCPRelayRxMalformedPkts indicates the total number of malformed packets received by the DHCP relay agent.
receivedPackets [Received Packets] (vRtrIfDHCPRelayRxPkts)	long	vRtrIfDHCPRelayRxPkts indicates the total number of packets received by the DHCP relay agent.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUntrustedPackets [Received Untrusted Packets] (vRtrIfDHCPRelayRxUntrustedPkts)	long	vRtrIfDHCPRelayRxUntrustedPkts indicates the total number of untrusted packets received by the DHCP relay agent.
serverPacketsDiscarded [Server Packets Discarded] (vRtrIfDHCPRelayServerPktsDiscarded)	long	vRtrIfDHCPRelayServerPktsDiscarded indicates the total number of server packets discarded by the DHCP relay agent.
serverPacketsRelayed [Server Packets Relayed] (vRtrIfDHCPRelayServerPktsRelayed)	long	vRtrIfDHCPRelayServerPktsRelayed indicates the total number of server packets relayed by the DHCP relay agent.
serverPktsSnooped [Server Pkts Snooped] (vRtrIfDHCPRelayServerPktsSnooped)	long	vRtrIfDHCPRelayServerPktsSnooped indicates the total number of server packets snooped by the DHCP relay agent.
transmittedPackets [Transmitted Packets] (vRtrIfDHCPRelayTxPkts)	long	vRtrIfDHCPRelayTxPkts indicates the total number of packets transmitted by the DHCP relay agent.
<p>IpInterfaceAdditionalStats MIB entry name: vRtrIfStatsExtEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsExtTable): The vRtrIfStatsExtTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • service.GroupInterface • service.L3AccessInterface • vprn.NetworkInterface 		

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBytes [Tx Bytes] (vRtrIfTxBytes)	java. math. BigInteger	The value of vRtrIfTxBytes indicates the number of total bytes sent by this interface.
txBytesHigh32 [Tx Bytes High 32] (vRtrIfTxBytesHigh32)	long	The value of vRtrIfTxBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxBytes.
txBytesLow32 [Tx Bytes Low 32] (vRtrIfTxBytesLow32)	long	The value of vRtrIfTxBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxBytes.
txPkts [Tx Pkts] (vRtrIfTxPkts)	java. math. BigInteger	The value of vRtrIfTxPkts indicates the number of total packets sent by this interface.
txPktsHigh32 [Tx Pkts High 32] (vRtrIfTxPktsHigh32)	long	The value of vRtrIfTxPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxPkts.
txPktsLow32 [Tx Pkts Low 32] (vRtrIfTxPktsLow32)	long	The value of vRtrIfTxPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxPkts.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of bytes in IPv4 and IPv6 packets received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of IPv4 packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
rxV4Bytes [Rx V4 Bytes] (vRtrIfRxV4Bytes)	java. math. BigInteger	The value of vRtrIfRxV4Bytes indicates the number of bytes in IPv4 packets received by this interface.
rxV4Pkts [Rx V4 Pkts] (vRtrIfRxV4Pkts)	java. math. BigInteger	The value of vRtrIfRxV4Pkts indicates the number of IPv4 packets received by this interface.
rxV6Bytes [Rx V6 Bytes] (vRtrIfRxV6Bytes)	java. math. BigInteger	The value of vRtrIfRxV6Bytes indicates the number of bytes in IPv6 packets received by this interface.
rxV6BytesHigh32 [Rx V6 Bytes High 32] (vRtrIfRxV6BytesHigh32)	long	The value of vRtrIfRxV6BytesHigh32 indicates the high 32 bits word of the value of vRtrIfRxV6Bytes.
rxV6BytesLow32 [Rx V6 Bytes Low 32] (vRtrIfRxV6BytesLow32)	long	The value of vRtrIfRxV6BytesLow32 indicates the lower 32 bits word of the value of vRtrIfRxV6Bytes.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV6Pkts [Rx V6 Pkts] (vRtrIfRxV6Pkts)	java. math. BigInteger	The value of vRtrIfRxV6Pkts indicates the number of IPv6 packets received by this interface.
rxV6PktsHigh32 [Rx V6 Pkts High 32] (vRtrIfRxV6PktsHigh32)	long	The value of vRtrIfRxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfRxV6Pkts.
rxV6PktsLow32 [Rx V6 Pkts Low 32] (vRtrIfRxV6PktsLow32)	long	The value of vRtrIfRxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfRxV6Pkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>MacAccountingStats MIB entry name: vRtrIfMacAccountingStatsEntry Entry description: Each row entry represents the MAC statistics per virtual router interface. Table description (for vRtrIfMacAccountingStatsTable): The vRtrIfMacAccountingStatsTable table contains MAC statistics per virtual router interface. Does not support realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.NetworkInterface • service.L3AccessInterface </p>		
inFrames [In Frames] (vRtrIfMacAccountingInFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInFrames indicates the number of total frames received in this MAC Address.
inFramesHigh32 [In Frames High 32] (vRtrIfMacAccountingInFramesH)	long	The value of vRtrIfMacAccountingInFramesH indicates the higher 32 bits of vRtrIfMacAccountingInFrames.
inFramesLow32 [In Frames Low 32] (vRtrIfMacAccountingInFramesL)	long	The value of vRtrIfMacAccountingInFramesL indicates the lower 32 bits of vRtrIfMacAccountingInFrames.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inOctets [In Octets] (vRtrIfMacAccountingInOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingInOctets indicates the number of total octets received in this MAC Address.
inOctetsHigh32 [In Octets High 32] (vRtrIfMacAccountingInOctetsH)	long	The value of vRtrIfMacAccountingInOctetsH indicates the higher 32 bits of vRtrIfMacAccountingInOctets.
inOctetsLow32 [In Octets Low 32] (vRtrIfMacAccountingInOctetsL)	long	The value of vRtrIfMacAccountingInOctetsL indicates the lower 32 bits of vRtrIfMacAccountingInOctets.
macAddress [Mac Address] (vRtrIfSourceMacAddress)	String	The value of the object vRtrIfSourceMacAddress indicates the source MAC address.
outFrames [Out Frames] (vRtrIfMacAccountingOutFrames)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutFrames indicates the number of total frames transmitted in this MAC Address.
outFramesHigh32 [Out Frames High 32] (vRtrIfMacAccountingOutFramesH)	long	The value of vRtrIfMacAccountingOutFramesH indicates the higher 32 bits of vRtrIfMacAccountingOutFrames.
outFramesLow32 [Out Frames Low 32] (vRtrIfMacAccountingOutFramesL)	long	The value of vRtrIfMacAccountingOutFramesL indicates the lower 32 bits of vRtrIfMacAccountingOutFrames.
outOctets [Out Octets] (vRtrIfMacAccountingOutOctets)	java. math. BigInteger	The value of the object vRtrIfMacAccountingOutOctets indicates the number of total octets transmitted in this MAC Address.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOctetsHigh32 [Out Octets High 32] (vRtrIfMacAccountingOutOctetsH)	long	The value of vRtrIfMacAccountingOutOctetsH indicates the higher 32 bits of vRtrIfMacAccountingOutOctets.
outOctetsLow32 [Out Octets Low 32] (vRtrIfMacAccountingOutOctetsL)	long	The value of vRtrIfMacAccountingOutOctetsL indicates the lower 32 bits of vRtrIfMacAccountingOutOctets.
<p>NetworkInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV4Bytes [URPFCheck Fail V4 Bytes] (vRtrIfV4uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailBytes indicates the number of bytes in IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV4Pkts [URPFCheck Fail V4 Pkts] (vRtrIfV4uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV4uRPFCheckFailPkts indicates the number of IPv4 packets that fail uRPF check on this interface.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>PolicyAccountInterfaceStats</p> <p>MIB entry name: vRtrPlcyAcctInterfaceStatsEntry</p> <p>Entry description: Each row entry in the vRtrPlcyAcctInterfaceStatsTable represents statistics related to the vRtrPlcyAcctSrcClassTable and vRtrPlcyAcctDestClassTable.</p> <p>Table description (for vRtrPlcyAcctInterfaceStatsTable): The vRtrPlcyAcctInterfaceStatsTable has stats for each source class and dest class associated with an interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • ies.IPsecInterface • ies.L3AccessInterface • rtr.NetworkInterface • vprn.GroupInterface • vprn.IPsecInterface • vprn.L3AccessInterface 		
forwardBytes [Forward Bytes] (vRtrPlcyAcctRxFwdBytes)	java. math. BigInteger	The value of the object vRtrPlcyAcctRxFwdBytes indicates the total number of bytes received for this vRtrPlcyAcctIndex associated with the interface.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardPackets [Forward Packets] (vRtrPlyAcctRxFwdPkts)	java. math. BigInteger	The value of the object vRtrPlyAcctRxFwdPkts indicates the total number of packets received for this vRtrPlyAcctIndex associated with the interface.
incompleteCount [Incomplete Count] (vRtrPlyAcctRxIncompleteCnt)	boolean	The value of the object vRtrPlyAcctRxIncompleteCnt indicates whether the count of vRtrPlyAcctRxFwdBytes and vRtrPlyAcctRxFwdPkts is incomplete or not. When the value of vRtrPlyAcctRxIncompleteCnt is 'true', both vRtrPlyAcctRxFwdBytes and vRtrPlyAcctRxFwdPkts will be incomplete.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'bgp'.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeMplsTpTunnels [Active Mpls Tp Tunnels] (vRtrStatActiveMplsTpTunnels)	long	vRtrStatActiveMplsTpTunnels indicates the current number of active MPLS-TP tunnels.
activeRsvpTunnels [Active Rsvp Tunnels] (vRtrStatActiveRsvpTunnels)	long	The value of vRtrStatActiveRsvpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'rsvp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAciveRoutes)	long	vRtrBGPAciveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.
dynamicArpEntries [Dynamic Arp Entries] (vRtrStatDynamicARPEntries)	long	The value of vRtrStatDynamicARPEntries indicates the total number of active and inactive dynamic ARP entries for the specified virtual router in the system.
hostActiveRoutes [Host Active Routes] (vRtrHostActiveRoutes)	long	The value of vRtrHostActiveRoutes indicates the current number of active direct routes with prefix value 32 for this instance of the route table.
hostRoutes [Host Routes] (vRtrHostRoutes)	long	The value of vRtrHostRoutes indicates the current number of direct routes with prefix value 32 for this instance of the route table.
iPsecActiveRoutes [IPsec Active Routes] (vRtrIPsecActiveRoutes)	long	The value of the object vRtrIPsecActiveRoutes indicates the current number of active IPsec routes for this instance of the route table.
iPsecRoutes [IPsec Routes] (vRtrIPsecRoutes)	long	The value of the object vRtrIPsecRoutes indicates the current number of IPsec routes for this instance of the route table.
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
internalArpEntries [Internal Arp Entries] (vRtrStatInternalARPEntries)	long	The value of vRtrStatInternalARPEntries indicates the total number of active and inactive internal ARP entries for the specified virtual router in the system.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveRoutes [Ldp Active Routes] (vRtrLDPActiveRoutes)	long	vRtrLDPActiveRoutes indicates the current number of active ldp routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.
ldpRoutes [Ldp Routes] (vRtrLDPRoutes)	long	vRtrLDPRoutes indicates the current number of ldp routes for this instance of the route table.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
localArpEntries [Local Arp Entries] (vRtrStatLocalARPEntries)	long	The value of vRtrStatLocalARPEntries indicates the total number of active and inactive local ARP entries for the specified virtual router in the system.
managedActiveRoutes [Managed Active Routes] (vRtrManagedActiveRoutes)	long	The value of vRtrManagedActiveRoutes indicates the total number of active managed routes for the specified virtual router in the system.
managedArpEntries [Managed Arp Entries] (vRtrStatManagedARPEntries)	long	The value of vRtrStatManagedARPEntries indicates the total number of active and inactive managed ARP entries for the specified virtual router in the system.
managedRoutes [Managed Routes] (vRtrManagedRoutes)	long	The value of vRtrManagedRoutes indicates the total number of active and inactive managed routes for the specified virtual router in the system.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mcastIpv4StatBGPEvpnActvRts [Mcast Ipv 4 Stat BGPEvpn Actv Rts] (vRtrMcastIpv4StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv4StatBGPEvpnActvRts indicates the total number of active IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
mcastIpv4StatBGPEvpnRoutes [Mcast Ipv 4 Stat BGPEvpn Routes] (vRtrMcastIpv4StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv4StatBGPEvpnRoutes indicates the total number of IPv4 Multicast BGP EVPN route entries for the specified virtual router in the system.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
natActiveRoutes [Nat Active Routes] (vRtrNatActiveRoutes)	long	The value of vRtrNatActiveRoutes indicates the current number of IPv4 NAT routes for this instance of the route table.
natRoutes [Nat Routes] (vRtrNatRoutes)	long	The value of vRtrNatRoutes indicates the current number of IPv4 NAT (Network Address Translation) routes for this instance of the route table.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
perActiveRoutes [Per Active Routes] (vRtrPeriodicActiveRoutes)	long	The value of vRtrPeriodicActiveRoutes indicates the current number of active periodic routes for this instance of the route table.
perRoutes [Per Routes] (vRtrPeriodicRoutes)	long	The value of vRtrPeriodicRoutes indicates the current number of periodic routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
statBGPEVPNARPEntries [Stat BGPEVPNARPEntries] (vRtrStatBGPEVPNARPEntries)	long	The value of vRtrStatBGPEVPNARPEntries indicates the total number of BGP EVPN ARP entries for the specified virtual router in the system.
statBGPEvpnActiveRoutes [Stat BGPEvpn Active Routes] (vRtrStatBGPEvpnActiveRoutes)	long	The value of vRtrStatBGPEvpnActiveRoutes indicates the total number of active IPv4 BGP EVPN route entries for the specified virtual router in the system.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statBGPEvpnRoutes [Stat BGPEvpn Routes] (vRtrStatBGPEvpnRoutes)	long	The value of vRtrStatBGPEvpnRoutes indicates the total number of IPv4 BGP EVPN route entries for the specified virtual router in the system.
statBGPLabelV4ActiveRoutes [Stat BGPLabel V4 Active Routes] (vRtrStatBGPLabelV4ActiveRoutes)	long	The value of vRtrStatBGPLabelV4ActiveRoutes indicates the total number of active labeled IPv4 BGP route entries for the specified virtual router in the system.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticArpEntries [Static Arp Entries] (vRtrStatStaticARPEntries)	long	The value of vRtrStatStaticARPEntries indicates the total number of active and inactive static ARP entries for the specified virtual router in the system.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
subMgmtActiveRoutes [Sub Mgmt Active Routes] (vRtrSubMgmtActiveRoutes)	long	The value of vRtrSubMgmtActiveRoutes indicates the number of active subscriber management routes.
subMgmtRoutes [Sub Mgmt Routes] (vRtrSubMgmtRoutes)	long	The value of vRtrSubMgmtRoutes indicates the total number of subscriber management routes in the route Table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalMplsTpTunnels [Total Mpls Tp Tunnels] (vRtrStatTotalMplsTpTunnels)	long	vRtrStatTotalMplsTpTunnels indicates the current number of both active and inactive MPLS-TP tunnels.
totalRsvpTunnels [Total Rsvp Tunnels] (vRtrStatTotalRsvpTunnels)	long	The value of vRtrStatTotalRsvpTunnels indicates the current number of both active and inactive RSVP tunnels.
vpnLeakActiveRoutes [Vpn Leak Active Routes] (vRtrVPNLeakActiveRoutes)	long	vRtrVPNLeakActiveRoutes indicates the current number of active VPN Leak routes for this instance of the route table.
vpnLeakRoutes [Vpn Leak Routes] (vRtrVPNLeakRoutes)	long	vRtrVPNLeakRoutes indicates the current number of VPN Leak routes for this instance of the route table.
V6RouteStats MIB entry name: vRtrStatEntry Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.RoutingInstanceSite • vprn.Site 		
statBGPLabelV6ActiveRoutes [Stat BGPLabel V6 Active Routes] (vRtrStatBGPLabelV6ActiveRoutes)	long	The value of vRtrStatBGPLabelV6ActiveRoutes indicates the total number of active labeled IPv6 BGP route entries for the specified virtual router in the system.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6ActiveNbrEntries [V6 Active Nbr Entries] (vRtrV6StatActiveNbrEntries)	long	vRtrV6StatActiveNbrEntries indicates the number of active V6 neighbor discovery entries for the specified virtual router in the system.
v6ActiveRsvpTunnels [V6 Active Rsvp Tunnels] (vRtrV6StatActiveRsvpTunnels)	long	The value of vRtrV6StatActiveRsvpTunnels indicates the current number of IPv6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'rsvp'.
v6AggregateActiveRoutes [V6 Aggregate Active Routes] (vRtrV6AggregateActiveRoutes)	long	vRtrV6AggregateActiveRoutes indicates the current number of active v6 aggregate routes for this instance of the route table.
v6AggregateRoutes [V6 Aggregate Routes] (vRtrV6AggregateRoutes)	long	vRtrV6AggregateRoutes indicates the current number of v6 aggregate routes for this instance of the route table.
v6BgpActiveRoutes [V6 Bgp Active Routes] (vRtrV6BGPAciveRoutes)	long	vRtrV6BGPAciveRoutes indicates the current number of v6 active bgp routes for this instance of the route table.
v6BgpRoutes [V6 Bgp Routes] (vRtrV6BGPRoutes)	long	vRtrV6BGPRoutes indicates the current number of v6 bgp routes for this instance of the route table.
v6BgpVpnActiveRoutes [V6 Bgp Vpn Active Routes] (vRtrV6StatBGPVpnActiveRoutes)	long	vRtrV6StatBGPVpnActiveRoutes indicates the current number of active VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6BgpVpnRoutes [V6 Bgp Vpn Routes] (vRtrV6StatBGPVpnRoutes)	long	vRtrV6StatBGPVpnRoutes indicates the current number of VPN-IPV6 routes learned by MP-BGP for this virtual router.
v6Dhcpv6NaActiveRoutes [V6 Dhcpv 6 Na Active Routes] (vRtrV6Dhcpv6NaActiveRoutes)	long	The value of vRtrV6Dhcpv6NaActiveRoutes indicates the current number of active IPv6 DHCPv6 non-temporary address routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6Dhcpv6NaRoutes [V6 Dhcpv 6 Na Routes] (vRtrV6Dhcpv6NaRoutes)	long	The value of vRtrV6Dhcpv6NaRoutes indicates the current number of IPv6 DHCPv6 non-temporary address routes for this instance of the route table.
v6Dhcpv6PdActiveRoutes [V6 Dhcpv 6 Pd Active Routes] (vRtrV6Dhcpv6PdActiveRoutes)	long	The value of vRtrV6Dhcpv6PdActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6PdExclActiveRoutes [V6 Dhcpv 6 Pd Excl Active Routes] (vRtrV6Dhcpv6PdExclActiveRoutes)	long	The value of vRtrV6Dhcpv6PdExclActiveRoutes indicates the current number of active IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdExclRoutes [V6 Dhcpv 6 Pd Excl Routes] (vRtrV6Dhcpv6PdExclRoutes)	long	The value of vRtrV6Dhcpv6PdExclRoutes indicates the current number of IPv6 DHCPv6 delegated prefix exclude routes for this instance of the route table.
v6Dhcpv6PdRoutes [V6 Dhcpv 6 Pd Routes] (vRtrV6Dhcpv6PdRoutes)	long	The value of vRtrV6Dhcpv6PdRoutes indicates the current number of IPv6 DHCPv6 delegated prefix routes for this instance of the route table.
v6Dhcpv6TaActiveRoutes [V6 Dhcpv 6 Ta Active Routes] (vRtrV6Dhcpv6TaActiveRoutes)	long	The value of vRtrV6Dhcpv6TaActiveRoutes indicates the current number of active IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6Dhcpv6TaRoutes [V6 Dhcpv 6 Ta Routes] (vRtrV6Dhcpv6TaRoutes)	long	The value of vRtrV6Dhcpv6TaRoutes indicates the current number of IPv6 DHCPv6 temporary address routes for this instance of the route table.
v6DirectActiveRoutes [V6 Direct Active Routes] (vRtrV6DirectActiveRoutes)	long	vRtrV6DirectActiveRoutes indicates the current number of v6 active direct routes for this instance of the route table.
v6DirectRoutes [V6 Direct Routes] (vRtrV6DirectRoutes)	long	vRtrV6DirectRoutes indicates the current number of v6 direct routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6HostActiveRoutes [V6 Host Active Routes] (vRtrV6HostActiveRoutes)	long	The value of vRtrV6HostActiveRoutes indicates the current number of v6 active direct routes with prefix value 128 for this instance of the route table.
v6HostRoutes [V6 Host Routes] (vRtrV6HostRoutes)	long	The value of vRtrV6HostRoutes indicates the current number of v6 direct routes with prefix value 128 for this instance of the route table.
v6IllegalLabelsReceived [V6 Illegal Labels Received] (vRtrV6StatIllegalLabels)	long	vRtrV6StatIllegalLabels indicates the number of illegally received v6 labels on this virtual router.
v6IsisActiveRoutes [V6 Isis Active Routes] (vRtrV6ISISActiveRoutes)	long	vRtrV6ISISActiveRoutes indicates the current number of v6 active isis routes for this instance of the route table.
v6IsisRoutes [V6 Isis Routes] (vRtrV6ISISRoutes)	long	vRtrV6ISISRoutes indicates the current number of v6 isis routes for this instance of the route table.
v6LdpActiveTunnels [V6 Ldp Active Tunnels] (vRtrV6StatActiveLdpTunnels)	long	vRtrV6StatActiveLdpTunnels indicates the current number of v6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'ldp'.
v6LdpTunnels [V6 Ldp Tunnels] (vRtrV6StatTotalLdpTunnels)	long	vRtrV6StatTotalLdpTunnels indicates the current number of both active and inactive v6 LDP tunnels.
v6ManagedActiveRoutes [V6 Managed Active Routes] (vRtrV6ManagedActiveRoutes)	long	The value of vRtrV6ManagedActiveRoutes indicates the total number of active IPv6 managed routes for the specified virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrV6ManagedRoutes)	long	The value of vRtrV6ManagedRoutes indicates the total number of active and inactive IPv6 managed routes for the specified virtual router.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6MulticastRoutes [V6 Multicast Routes] (vRtrV6MulticastRoutes)	long	vRtrV6MulticastRoutes indicates the current number of v6 rows in the vRtrPimNgGrpSrcTable.
v6MulticastStatBGPEvpnActiveRoutes [V6 Multicast Stat BGPEvpn Active Routes] (vRtrMcastIpv6StatBGPEvpnActvRts)	long	The value of vRtrMcastIpv6StatBGPEvpnActvRts indicates the total number of active IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6MulticastStatBGPEvpnRoutes [V6 Multicast Stat BGPEvpn Routes] (vRtrMcastIpv6StatBGPEvpnRoutes)	long	The value of vRtrMcastIpv6StatBGPEvpnRoutes indicates the total number of IPv6 Multicast BGP EVPN route entries for the specified virtual router in the system.
v6NatActiveRoutes [V6 Nat Active Routes] (vRtrV6NatActiveRoutes)	long	The value of vRtrV6NatActiveRoutes indicates the current number of IPv6 active NAT routes for this instance of the route table.
v6NatRoutes [V6 Nat Routes] (vRtrV6NatRoutes)	long	The value of vRtrV6NatRoutes indicates the current number of IPv6 NAT routes for this instance of the route table.
v6OspfActiveRoutes [V6 Ospf Active Routes] (vRtrV6OSPFActiveRoutes)	long	vRtrV6OSPFActiveRoutes indicates the current number of v6 active ospf routes for this instance of the route table.
v6OspfRoutes [V6 Ospf Routes] (vRtrV6OSPFRoutes)	long	vRtrV6OSPFRoutes indicates the current number of v6 ospf routes for this instance of the route table.
v6PerActiveRoutes [V6 Per Active Routes] (vRtrV6PeriodicActiveRoutes)	long	The value of vRtrV6PeriodicActiveRoutes indicates the current number of active IPv6 periodic routes for this instance of the route table.
v6PerRoutes [V6 Per Routes] (vRtrV6PeriodicRoutes)	long	The value of vRtrV6PeriodicRoutes indicates the current number of IPv6 periodic routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6RipActiveRoutes [V6 Rip Active Routes] (vRtrV6RIPActiveRoutes)	long	vRtrV6RIPActiveRoutes indicates the current number of active v6 rip routes for this instance of the route table.
v6RipRoutes [V6 Rip Routes] (vRtrV6RIPRoutes)	long	vRtrV6RIPRoutes indicates the current number of v6 rip routes for this instance of the route table.
v6RouterInterfacesActive [V6 Router Interfaces Active] (vRtrV6StatActiveIifs)	long	vRtrV6StatActiveIifs indicates the current number of v6 router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
v6RouterInterfacesConfigured [V6 Router Interfaces Configured] (vRtrV6StatConfiguredIifs)	long	vRtrV6StatConfiguredIifs indicates the current number of v6 router interfaces configured on this virtual router.
v6RoutesInVrf [V6 Routes In Vrf] (vRtrV6StatCurrNumRoutes)	long	vRtrV6StatCurrNumRoutes indicates the current number of v6 routes in the VRF for this virtual router.
v6SdpActiveTunnels [V6 Sdp Active Tunnels] (vRtrV6StatActiveSdpTunnels)	long	vRtrV6StatActiveSdpTunnels indicates the current number of v6 rows in the vRtrInetTunnelTable where vRtrInetTunnelType has a value of 'sdp'.
v6SdpTunnels [V6 Sdp Tunnels] (vRtrV6StatTotalSdpTunnels)	long	vRtrV6StatTotalSdpTunnels indicates the current number of both active and inactive v6 SDP tunnels.
v6StatBGPEvpnActiveRoutes [V6 Stat BGPEvpn Active Routes] (vRtrV6StatBGPEvpnActiveRoutes)	long	The value of vRtrV6StatBGPEvpnActiveRoutes indicates the total number of active IPv6 BGP EVPN route entries for the specified virtual router in the system.
v6StatBGPEvpnRoutes [V6 Stat BGPEvpn Routes] (vRtrV6StatBGPEvpnRoutes)	long	The value of vRtrV6StatBGPEvpnRoutes indicates the total number of IPv6 BGP EVPN route entries for the specified virtual router in the system.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6StaticActiveRoutes [V6 Static Active Routes] (vRtrV6StaticActiveRoutes)	long	vRtrV6StaticActiveRoutes indicates the current number of v6 active static routes for this instance of the route table.
v6StaticRoutes [V6 Static Routes] (vRtrV6StaticRoutes)	long	vRtrV6StaticRoutes indicates the current number of v6 static routes for this instance of the route table.
v6SubMgmtActiveRoutes [V6 Sub Mgmt Active Routes] (vRtrV6SubMgmtActiveRoutes)	long	vRtrV6SubMgmtActiveRoutes indicates the current number of v6 active subscriber management routes for this instance of the route table.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrV6SubMgmtRoutes)	long	vRtrV6SubMgmtRoutes indicates the current number of v6 subscriber management routes for this instance of the route table.
v6TotalNbrEntries [V6 Total Nbr Entries] (vRtrV6StatTotalNbrEntries)	long	vRtrV6StatTotalNbrEntries indicates the total number of active and inactive v6 neighbor discovery entries for the specified virtual router in the system.
v6TotalRsvpTunnels [V6 Total Rsvp Tunnels] (vRtrV6StatTotalRsvpTunnels)	long	The value of vRtrV6StatTotalRsvpTunnels indicates the current number of both active and inactive IPv6 RSVP tunnels.
v6VpnLeakActiveRoutes [V6 Vpn Leak Active Routes] (vRtrV6VPNLeakActiveRoutes)	long	vRtrV6VPNLeakActiveRoutes indicates the current number of v6 active VPN Leak routes for this instance of the route table.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrV6VPNLeakRoutes)	long	vRtrV6VPNLeakRoutes indicates the current number of v6 VPN Leak routes for this instance of the route table.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpDynDetectionTime)	long	The value of vRtrIfDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for given protocol.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpDynHoldDown)	int	The value of vRtrIfDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for given protocol.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpDynAllocated)	boolean	The value of vRtrIfDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (vRtrIfDcpFpDynExcdCount)	java.math.BigInteger	The value of vRtrIfDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for a given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (vRtrIfDcpFpDynState)	int	The value of vRtrIfDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (vRtrIfDcpFpProtocol)	int	The value of vRtrIfDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
<p>VRtrIfDcpFpLocMonP1crStats MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
isAllocated [Is Allocated] (vRtrIfDcpFpLocMonAllDynAlloc)	boolean	The value of vRtrIfDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (vRtrIfDcpFpLocMonExcdCount)	java.math. BigInteger	The value of vRtrIfDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpLocMonPlcrName)	String	The value of vRtrIfDcpFpLocMonPlcrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpLocMonState)	int	The value of vRtrIfDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VRtrIfDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (vRtrIfDcpFpStaticDetectionTime)	long	The value of vRtrIfDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
holdDown [Hold Down] (vRtrIfDcpFpStaticHoldDown)	int	The value of vRtrIfDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
id [Id] (vRtrID)	int	The unique value which identifies this virtual router in the Tmnx system. The vRtrID value for each virtual router must remain constant at least from one re-initialization of the system management processor (CPM) to the next. There will always be at least one router entry defined by the agent with vRtrID=1 which represents the transport router.
ifIndex [If Index] (vRtrIfIndex)	long	The unique value which identifies this interface of this virtual router in the Tmnx system. This field provides an identifier for virtual router interfaces similar to the ifIndex values used in the mib-2 interfaces table for physical interfaces. The vRtrIfIndex values can be reused for different virtual routers, but are unique within those entries with the same vRtrID. The vRtrIfIndex value for each virtual interface must remain constant at least from one re-initialization of the system management processor to the next.
pktsExcd [Pkts Excd] (vRtrIfDcpFpStaticExcdCount)	java. math. BigInteger	The value of vRtrIfDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (vRtrIfDcpFpStaticPlcrName)	String	The value of vRtrIfDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.
policerState [Policer State] (vRtrIfDcpFpStaticState)	int	The value of vRtrIfDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6InStats</p> <p>MIB entry name: vRtrIfIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIfTable are created and deleted.</p> <p>Table description (for vRtrIfIcmp6Table): The vRtrIfIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
inDestinationUnreachable [In Destination Unreachable] (vRtrIfIcmp6InDestUnreachs)	long	The value of vRtrIfIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this interface.
inEchoReplies [In Echo Replies] (vRtrIfIcmp6InEchoReplies)	long	The value of vRtrIfIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this interface.
inEchoRequests [In Echo Requests] (vRtrIfIcmp6InEchos)	long	The value of vRtrIfIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this interface.
inErrors [In Errors] (vRtrIfIcmp6InErrors)	long	The value of vRtrIfIcmp6InErrors indicates the number of ICMP messages which this interface received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIfIcmp6InNbrAdvertisements)	long	The value of vRtrIfIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this interface.
inNeighborSolicits [In Neighbor Solicits] (vRtrIfIcmp6InNbrSolicits)	long	The value of vRtrIfIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this interface.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inPacketTooBig [In Packet Too Big] (vRtrIflcmp6InPktTooBigs)	long	The value of vRtrIflcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this interface.
inRedirects [In Redirects] (vRtrIflcmp6InRedirects)	long	The value of vRtrIflcmp6InRedirects indicates number of ICMP Redirect messages received by this interface.
inRouterAdvertisements [In Router Advertisements] (vRtrIflcmp6InRtrAdvertisements)	long	The value of vRtrIflcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this interface.
inRouterSolicits [In Router Solicits] (vRtrIflcmp6InRtrSolicits)	long	The value of vRtrIflcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this interface.
inTimeExceeded [In Time Exceeded] (vRtrIflcmp6InTimeExcds)	long	The value of vRtrIflcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this interface.
inTotalMessages [In Total Messages] (vRtrIflcmp6InMsgs)	long	The value of vRtrIflcmp6InMsgs indicates the total number of ICMP messages received by this interface which includes all those counted by vRtrIflcmp6InErrors. Note that this interface is the interface to which the ICMP messages were addressed which may not be necessarily the input interface for the messages.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualInterfaceIcmp6OutStats</p> <p>MIB entry name: vRtrIflcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router interface. Entries are created and deleted when entries in the vRtrIflTable are created and deleted.</p> <p>Table description (for vRtrIflcmp6Table): The vRtrIflcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.VirtualInterfaceIcmp6Configuration</p>		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIflcmp6OutDestUnreachs)	long	The value of vRtrIflcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this interface.
outEchoReplies [Out Echo Replies] (vRtrIflcmp6OutEchoReplies)	long	The value of vRtrIflcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this interface.
outEchoRequests [Out Echo Requests] (vRtrIflcmp6OutEchos)	long	The value of vRtrIflcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this interface.
outErrors [Out Errors] (vRtrIflcmp6OutErrors)	long	The value of vRtrIflcmp6OutErrors indicates the number of ICMP messages which this interface did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIflcmp6OutGrpMembQueries)	long	The value of vRtrIflcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this interface.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIfIcmp6OutGrpMembReductions)	long	The value of vRtrIfIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this interface.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIfIcmp6OutGrpMembResponses)	long	The value of vRtrIfIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this interface.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIfIcmp6OutNbrAdvertisements)	long	The value of vRtrIfIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this interface.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIfIcmp6OutNbrSolicits)	long	The value of vRtrIfIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this interface.
outPacketTooBig [Out Packet Too Big] (vRtrIfIcmp6OutPktTooBigs)	long	The value of vRtrIfIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this interface.
outRedirects [Out Redirects] (vRtrIfIcmp6OutRedirects)	long	The value of vRtrIfIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this interface.
outRouterAdvertisements [Out Router Advertisements] (vRtrIfIcmp6OutRtrAdvertisements)	long	The value of vRtrIfIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this interface.
outRouterSolicits [Out Router Solicits] (vRtrIfIcmp6OutRtrSolicits)	long	The value of vRtrIfIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this interface.
outTimeExceeded [Out Time Exceeded] (vRtrIfIcmp6OutTimeExcds)	long	The value of vRtrIfIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this interface.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this interface attempted to send. Note that this counter includes all those counted by icmpOutErrors.
<p>VirtualRouterIcmp6InStats</p> <p>MIB entry name: vRtrIcmp6Entry</p> <p>Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted.</p> <p>Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
inDestinationUnreachable [In Destination Unreachable] (vRtrIcmp6InDestUnreachs)	long	The value of vRtrIcmp6InDestUnreachs indicates the number of ICMP Destination Unreachable messages received by this router instance.
inEchoReplies [In Echo Replies] (vRtrIcmp6InEchoReplies)	long	The value of vRtrIcmp6InEchoReplies indicates the number of ICMP Echo Reply messages received by this router instance.
inEchoRequests [In Echo Requests] (vRtrIcmp6InEchos)	long	The value of vRtrIcmp6InEchos indicates the number of ICMP Echo (request) messages received by this router instance.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inErrors [In Errors] (vRtrIcmp6InErrors)	long	The value of vRtrIcmp6InErrors indicates the number of ICMP messages which this router instance received but determined as having ICMP-specific errors (bad ICMP checksums, bad length , etc.).
inNeighborAdvertisements [In Neighbor Advertisements] (vRtrIcmp6InNbrAdvertisements)	long	The value of vRtrIcmp6InNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages received by this router instance.
inNeighborSolicits [In Neighbor Solicits] (vRtrIcmp6InNbrSolicits)	long	The value of vRtrIcmp6InNbrSolicits indicates the number of ICMP Neighbor Solicit messages received by this router instance.
inPacketTooBig [In Packet Too Big] (vRtrIcmp6InPktTooBigs)	long	The value of vRtrIcmp6InPktTooBigs indicates the number of ICMP Packet Too Big messages received by this router instance.
inRedirects [In Redirects] (vRtrIcmp6InRedirects)	long	The value of vRtrIcmp6InRedirects indicates number of ICMP Redirect messages received by this router instance.
inRouterAdvertisements [In Router Advertisements] (vRtrIcmp6InRtrAdvertisements)	long	The value of vRtrIcmp6InRtrAdvertisements indicates the number of ICMP Router Advertisement messages received by this router instance.
inRouterSolicits [In Router Solicits] (vRtrIcmp6InRtrSolicits)	long	The value of vRtrIcmp6InRtrSolicits indicates the number of ICMP Router Solicit messages received by this router instance.
inTimeExceeded [In Time Exceeded] (vRtrIcmp6InTimeExcds)	long	The value of vRtrIcmp6InTimeExcds indicates the number of ICMP Time Exceeded messages received by this router instance.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTotalMessages [In Total Messages] (vRtrIcmp6InMsgs)	long	The value of vRtrIcmp6InMsgs indicates the total number of ICMP messages received by this router instance which includes all those counted by vRtrIcmp6InErrors.
<p>VirtualRouterIcmp6OutStats MIB entry name: vRtrIcmp6Entry Entry description: Each row entry represents the ICMP statistics of a virtual router instance. Entries are created and deleted when entries in the vRtrConfEntry are created and deleted. Table description (for vRtrIcmp6Table): The vRtrIcmp6Table table contains statistics of ICMPv6 messages that are received and sourced by a router instance. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
outDestinationUnreachable [Out Destination Unreachable] (vRtrIcmp6OutDestUnreachs)	long	The value of vRtrIcmp6OutDestUnreachs indicates the number of ICMP Destination Unreachable messages sent by this router instance.
outEchoReplies [Out Echo Replies] (vRtrIcmp6OutEchoReplies)	long	The value of vRtrIcmp6OutEchoReplies indicates the number of ICMP Echo Reply messages sent by this router instance.
outEchoRequests [Out Echo Requests] (vRtrIcmp6OutEchos)	long	The value of vRtrIcmp6OutEchos indicates the number of ICMP Echo Request messages sent by this router instance.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outErrors [Out Errors] (vRtrIcmp6OutErrors)	long	The value of vRtrIcmp6OutErrors indicates the number of ICMP messages which this router instance did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of VRtr IPv6 to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.
outGrpMembQueries [Out Grp Memb Queries] (vRtrIcmp6OutGrpMembQueries)	long	The value of vRtrIcmp6OutGrpMembQueries indicates the number of ICMP Group Membership Query messages sent by this router instance.
outGrpMembReductions [Out Grp Memb Reductions] (vRtrIcmp6OutGrpMembReductions)	long	The value of vRtrIcmp6OutGrpMembReductions indicates the number of ICMP Group Membership Reduction messages sent by this router instance.
outGrpMembResponses [Out Grp Memb Responses] (vRtrIcmp6OutGrpMembResponses)	long	The value of vRtrIcmp6OutGrpMembResponses indicates the number of ICMP Group Membership Response messages sent by this router instance.
outNeighborAdvertisements [Out Neighbor Advertisements] (vRtrIcmp6OutNbrAdvertisements)	long	The value of vRtrIcmp6OutNbrAdvertisements indicates the number of ICMP Neighbor Advertisement messages sent by this router instance.
outNeighborSolicits [Out Neighbor Solicits] (vRtrIcmp6OutNbrSolicits)	long	The value of vRtrIcmp6OutNbrSolicits indicates the number of ICMP Neighbor Solicitation messages sent by this router instance.
outPacketTooBig [Out Packet Too Big] (vRtrIcmp6OutPktTooBigs)	long	The value of vRtrIcmp6OutPktTooBigs indicates the number of ICMP Packet Too Big messages sent by this router instance.
outRedirects [Out Redirects] (vRtrIcmp6OutRedirects)	long	The value of vRtrIcmp6OutRedirects indicates the number of ICMP Redirect messages sent by this router instance.

Table 666 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRouterAdvertisements [Out Router Advertisements] (vRtrIcmp6OutRtrAdvertisements)	long	The value of vRtrIcmp6OutRtrAdvertisements indicates the number of ICMP Router Advertisement messages sent by this router instance.
outRouterSolicits [Out Router Solicits] (vRtrIcmp6OutRtrSolicits)	long	The value of vRtrIcmp6OutRtrSolicits indicates the number of ICMP Router Solicitation messages sent by this router instance.
outTimeExceeded [Out Time Exceeded] (vRtrIcmp6OutTimeExcds)	long	The value of vRtrIcmp6OutTimeExcds indicates the number of ICMP Time Exceeded messages sent by this router instance.
outTotalMessages [Out Total Messages] (vRtrIcmp6OutMsgs)	long	The value of vRtrIcmp6OutMsgs indicates the total number of ICMP messages which this router instance attempted to send. Note that this counter includes all those counted by icmpOutErrors.

Table 667 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DelayTCAStats</p> <p>MIB entry name: tmnxOamPmStsTcaDelayEntry</p> <p>Entry description: tmnxOamPmStsTcaDelayEntry contains the OAM-PM delay TCA statistics for the combination of an OAM-PM session name, test type, bin type, and direction (e.g. {'oam_pm_sess_1', 'dmm(1)', 'ifdv(3)', 'twoWay(3)}'). Nine rows are created/destroyed in this table when a delay test is created/destroyed. A delay test is created/destroyed using tmnxOamPmCfgDelayDmmRowStatus or tmnxOamPmCfgTwampLtRowStatus. The nine rows are indexed by the session name, the test type, and the nine combinations of bin type and direction.</p> <p>Table description (for tmnxOamPmStsTcaDelayTable): tmnxOamPmStsTcaDelayTable contains statistics for delay-based OAM-PM Threshold Crossing Alerts (TCAs).</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmDmmSession • sas.TWLSession 		
active [Active] (tmnxOamPmStsTcaDelayOperState)	int	The value of tmnxOamPmStsTcaDelayOperState indicates the operational state of delay-based TCAs for the specified indices.
direction [Direction] (tmnxOamPmCfgForwardBackward2Way)	int	The value of tmnxOamPmCfgForwardBackward2Way specifies the direction of the row to be configured or read.
lastTime [Last Time] (tmnxOamPmStsTcaDelayLastTime)	String	The value of tmnxOamPmStsTcaDelayLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent delay-based Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no TCAs have been generated for the specified indices since system start up.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>LossTCAAgStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwAgEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwAgEntry contains the TCA statistics for the forward, backward, or aggregate direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwAgTable): tmnxOamPmStsTcaLossFwBwAgTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward, backward, and aggregate directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
chliActive [Chli Active] (tmnxOamPmStsTcaLossChliOperState)	int	The value of tmnxOamPmStsTcaLossChliOperState indicates the operational state of Consecutive High Loss Interval (CHLI) TCAs for the specified indices.
chliLastTime [Chli Last Time] (tmnxOamPmStsTcaLossChliLastTime)	String	The value of tmnxOamPmStsTcaLossChliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Consecutive High Loss Interval (CHLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no CHLI TCAs have been generated for the specified indices since system start up.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hliActive [Hli Active] (tmnxOamPmStsTcaLossHliOperState)	int	The value of tmnxOamPmStsTcaLossHliOperState indicates the operational state of High Loss Interval (HLI) TCAs for the specified indices.
hliLastTime [Hli Last Time] (tmnxOamPmStsTcaLossHliLastTime)	String	The value of tmnxOamPmStsTcaLossHliLastTime indicates the UTC date and time at the start of the measurement interval which generated the most recent High Loss Interval (HLI) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no HLI TCAs have been generated for the specified indices since system start up.
unavlIndActive [Unavl Ind Active] (tmnxOamPmStsTcaLossUnavlIndOprSt)	int	The value of tmnxOamPmStsTcaLossUnavlIndOprSt indicates the operational state of Unavailability Indicator TCAs for the specified indices.
unavlIndLastTime [Unavl Ind Last Time] (tmnxOamPmStsTcaLossUnavlIndLTime)	String	The value of tmnxOamPmStsTcaLossUnavlIndLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Unavailability Indicator TCAs have been generated for the specified indices since system start up.
undtAvlActive [Undt Avl Active] (tmnxOamPmStsTcaLossUndtAvlOperSt)	int	The value of tmnxOamPmStsTcaLossUndtAvlOperSt indicates the operational state of Undetermined Availability Indicator TCAs for the specified indices.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undtAvlLastTime [Undt Avl Last Time] (tmnxOamPmStsTcaLossUndtAvlLTime)	String	The value of tmnxOamPmStsTcaLossUndtAvlLTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Availability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Availability Indicator TCAs have been generated for the specified indices since system start up.
undtUnavlActive [Undt Unavl Active] (tmnxOamPmStsTcaLossUndtUnavlOpSt)	int	The value of tmnxOamPmStsTcaLossUndtUnavlOpSt indicates the operational state of Undetermined Unavailability Indicator TCAs for the specified indices.
undtUnavlLastTime [Undt Unavl Last Time] (tmnxOamPmStsTcaLossUndtUnavlLTim)	String	The value of tmnxOamPmStsTcaLossUndtUnavlLTim indicates the UTC date and time at the start of the measurement interval which generated the most recent Undetermined Unavailability Indicator Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Undetermined Unavailability Indicator TCAs have been generated for the specified indices since system start up.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LossTCAFwBwStats</p> <p>MIB entry name: tmnxOamPmStsTcaLossFwBwEntry</p> <p>Entry description: tmnxOamPmStsTcaLossFwBwEntry contains TCA statistics for the forward or backward direction of one OAM-PM loss test. For example, a row may contain TCA statistics for the forward direction for the SLM test belonging to OAM-PM session OAM_PM_Eth_session_1.</p> <p>Table description (for tmnxOamPmStsTcaLossFwBwTable): tmnxOamPmStsTcaLossFwBwTable contains statistics for loss-based OAM-PM Threshold Crossing Alerts (TCAs). The subset of the TCA loss statistics that are kept in the forward and backward directions is available using this table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ethernetOam.CfmLmmSession • ethernetOam.CfmSlmSession • sas.TWLSession 		
flrActive [Flr Active] (tmnxOamPmStsTcaLossAvgFlrOperSt)	int	The value of tmnxOamPmStsTcaLossAvgFlrOperSt indicates the operational state of Average Frame Loss Ratio (FLR) TCAs for the specified indices.
flrLastTime [Flr Last Time] (tmnxOamPmStsTcaLossAvgFlrLstTime)	String	The value of tmnxOamPmStsTcaLossAvgFlrLstTime indicates the UTC date and time at the start of the measurement interval which generated the most recent Average Frame Loss Ratio (FLR) Raise or Clear TCA for the specified indices. Measurement interval start times are reported using tmnxOamPmStsBaseStartTime. The TCAs are tmnxOamPmThrRaise and tmnxOamPmThrClear. DateAndTime.year = 0 is returned if no Average FLR TCAs have been generated for the specified indices since system start up.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PmSessionBaseStats</p>		
<p>MIB entry name: tmnxOamPmStsBaseEntry</p>		
<p>Entry description: tmnxOamPmStsBaseEntry contains the base statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a test is started (e.g. using tmnxOamPmCfgDelayDmmAdminStatus and tmnxOamPmCfgDelayDmmOnDmndStatus). At that time, a row for the current interval (with the index value tmnxOamPmStsIntvlNum=1) is created for each row with a matching session name in tmnxOamPmCfgMeasIntvlTable. In addition, a row is created in this table for the test's 'miRaw(1)' interval. After that, the timed creation and destruction of rows in this table is explained using the following example. Suppose the configured number of intervals to be retained is as follows (where index columns are underlined with octothorpes, and 'tmnxOamPm' is abbreviated as '_'): <u>_CfgSessName</u> <u>_CfgMeasIntvlDuration</u> <u>_CfgMeasIntvlsStored</u> ##### ##### 'mySess1' 'mi15Minutes(2)' 3 Suppose statistics collection started at t = 0 (minutes). Suppose the following rows exist in tmnxOamPmStsBaseTable at t = 59 (minutes): <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 1 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 The interval numbers are assigned as follows: 1 - the historical interval ended at t = 15 minutes 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the current interval Then, after the next 15 minute interval ends (e.g. at t = 61 minutes), the following rows will exist: <u>_CfgSessName</u> <u>_StsBaseTestType</u> <u>_StsIntvlDuration</u> <u>_StsIntvlNum</u> ##### ##### 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 2 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 3 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 4 'mySess1' 'dmm(1)' 'mi15Minutes(2)' 5 The interval numbers are assigned as follows: 2 - the historical interval ended at t = 30 minutes 3 - the historical interval ended at t = 45 minutes 4 - the historical interval ended at t = 60 minutes 5 - the current interval The row with interval number 1 was destroyed, because tmnxOamPmCfgMeasIntvlsStored=3 specifies that at most three historical intervals be retained. Rows are also destroyed in this table when the corresponding tmnxOamPmCfgMeasIntvlTable row is destroyed. When the index value tmnxOamPmStsMeasIntvlDuration is 'miRaw(1)', only one interval is available (i.e. tmnxOamPmStsIntvlNum = 1). When a test is running, the measurement interval data set for a test's 'miRaw(1)' measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. The change to the objects in the specified row is as follows. Object Change on Clear Operation tmnxOamPmStsBaseOperStatus No change tmnxOamPmStsBaseSuspect Set to 'true(1)' tmnxOamPmStsBaseStartTime Set to UTC time of the clear operation tmnxOamPmStsBaseElapsedTime Set to zero tmnxOamPmStsBaseTestFramesTx Set to zero tmnxOamPmStsBaseTestFramesRx Set to zero Measurement interval data sets for measurement interval durations other than 'miRaw(1)' cannot be cleared.</p>		
<p>Table description (for tmnxOamPmStsBaseTable): tmnxOamPmStsBaseTable contains the base statistics for OAM Performance Monitoring Measurement Interval Data Sets. The statistics in this table are common to all test types (e.g. DMM and SLM tests).</p>		
<p>Supports realtime plotting</p>		
<p>Supports scheduled collection</p>		
<p>Monitored classes:</p>		
<ul style="list-style-type: none"> • ethernetoam.CfmDmmSession • ethernetoam.CfmLmmSession • ethernetoam.CfmSlmSession 		

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmStatsElapsedTime [Pm Stats Elapsed Time] (tmnxOamPmStsBaseElapsedTime)	long	The value of tmnxOamPmStsBaseElapsedTime indicates the time elapsed since data collection started for the specified measurement interval data set.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
pmStatsOperStatus [Pm Stats Oper Status] (tmnxOamPmStsBaseOperStatus)	int	The value of tmnxOamPmStsBaseOperStatus indicates the operational status of the specified measurement interval data set. If the interval is historical and the operational status is 'InProgress(1)', the interval is closing (i.e. waiting for a response for the final test request sent).
pmStatsPduRx [Pm Stats Pdu Rx] (tmnxOamPmStsBaseTestFramesRx)	long	The value of tmnxOamPmStsBaseTestFramesRx indicates the number of test frames received for the specified measurement interval data set.
pmStatsPduTx [Pm Stats Pdu Tx] (tmnxOamPmStsBaseTestFramesTx)	long	The value of tmnxOamPmStsBaseTestFramesTx indicates the number of test frames sent for the specified measurement interval data set.
pmStatsStartTime [Pm Stats Start Time] (tmnxOamPmStsBaseStartTime)	String	The value of tmnxOamPmStsBaseStartTime indicates the start time (in UTC) of the specified measurement interval data set.
pmStatsSuspect [Pm Stats Suspect] (tmnxOamPmStsBaseSuspect)	boolean	The value of tmnxOamPmStsBaseSuspect indicates whether or not the specified measurement interval data set contains suspect information.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsTestType [Pm Stats Test Type] (tmnxOamPmStsBaseTestType)	int	The value of tmnxOamPmStsBaseTestType specifies the type of test for which statistics are to be read (e.g. 'dmm(1)').
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>PrefixSrvStats</p> <p>MIB entry name: tmnxTwampSrvPrefixEntry</p> <p>Entry description: tmnxTwampSrvPrefixEntry contains the TWAMP server configuration information for the IP prefix specified by the index values. Rows in this table are created and destroyed using the tmnxTwampSrvPrefixRowStatus object.</p> <p>Table description (for tmnxTwampSrvPrefixTable): tmnxTwampSrvPrefixTable contains per-prefix TWAMP server configuration information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
srvPfxConnCount [Srv Pfx Conn Count] (tmnxTwampSrvPfxConnCount)	long	The value of tmnxTwampSrvPfxConnCount indicates, for the prefix specified by the index values, the number of control connections currently managed by the TWAMP server.
srvPfxConnsRejected [Srv Pfx Conns Rejected] (tmnxTwampSrvPfxConnsRejected)	long	The value of tmnxTwampSrvPfxConnsRejected indicates, for the prefix specified by the index values, the number of control connection requests which have been rejected by the TWAMP server. An example reject reason: the prefix's limit on the number of active connections has been reached.
srvPfxSessionCount [Srv Pfx Session Count] (tmnxTwampSrvPfxSessionCount)	long	The value of tmnxTwampSrvPfxSessionCount indicates, for the prefix specified by the index values, the number of currently in-progress TWAMP test sessions.
srvPfxTestPacketsRx [Srv Pfx Test Packets Rx] (tmnxTwampSrvPfxTestPacketsRx)	long	The value of tmnxTwampSrvPfxTestPacketsRx indicates, for the prefix specified by the index values, the number of TWAMP test packets received by the TWAMP server.
srvPfxTestPacketsTx [Srv Pfx Test Packets Tx] (tmnxTwampSrvPfxTestPacketsTx)	long	The value of tmnxTwampSrvPfxTestPacketsTx indicates, for the prefix specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
srvPfxTestSessAbort [Srv Pfx Test Sess Abort] (tmnxTwampSrvPfxTestSessAbort)	long	The value of tmnxTwampSrvPfxTestSessAbort indicates, for the prefix specified by the index values, the number of test sessions aborted by the TWAMP server.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
srvPfxTestSessCompleted [Srv Pfx Test Sess Completed] (tmnxTwampSrvPfxTestSessCompleted)	long	The value of tmnxTwampSrvPfxTestSessCompleted indicates, for the prefix specified by the index values, the number of test sessions completed by the TWAMP server.
srvPfxTestSessRejected [Srv Pfx Test Sess Rejected] (tmnxTwampSrvPfxTestSessRejected)	long	The value of tmnxTwampSrvPfxTestSessRejected indicates, for the prefix specified by the index values, the number of test sessions rejected by the TWAMP server.
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime indicates the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: setUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.
<p>TWLBinStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlBinEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlBinEntry contains the TWAMP-Light frame delay per-bin statistics for one OAM Performance Monitoring Measurement Interval Data Set. Rows are created in this table when a corresponding row is created in tmnxOamPmStsDelayTwlTable. If the tmnxOamPmStsDelayTwlTable row is created with the index value tmnxOamPmCfgBinType = 'fd(1)', then the the number of rows created in this table is tmnxOamPmCfgBinGroupFdBinCount. Similarly, 'fdr(2)' and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsDelayTwlTable row is destroyed. When a test is running, the TWAMP-Light statistics for a test's raw (i.e. 'miRaw(1)') measurement interval duration can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session..</p> <p>Table description (for tmnxOamPmStsDelayTwlBinTable): tmnxOamPmStsDelayTwlBinTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay per-bin statistics. The frame delay per-bin statistics kept for TWAMP-Light tests are the same as the frame delay per-bin statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLBin</p>		

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBinBwdCount [Delay Twl Bin Bwd Count] (tmnxOamPmStsDelayTwlBinBwdCount)	long	The value of tmnxOamPmStsDelayTwlBinBwdCount indicates the number of TWAMP-Light frame delay measurements in the backward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the backward direction in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinFwdCount [Delay Twl Bin Fwd Count] (tmnxOamPmStsDelayTwlBinFwdCount)	long	The value of tmnxOamPmStsDelayTwlBinFwdCount indicates the number of TWAMP-Light frame delay measurements in the forward direction that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 9 Then, the value of this object indicates the number of TWAMP-Light frame delay measurements (in microseconds) in the forward direction in the first interval of 'twlSess1' that fit in the highest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
delayTwlBinNum [Delay Twl Bin Num] (tmnxOamPmStsDelayTwlBinNum)	long	The value of tmnxOamPmStsDelayTwlBinNum specifies the bin number of the statistics to be read.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBintwowayCount [Delay Twl Bintwoway Count] (tmnxOamPmStsDelayTwlBin2wyCount)	long	The value of tmnxOamPmStsDelayTwlBin2wyCount indicates the number of TWAMP-Light two-way frame delay measurements that fall within the configured range (in microseconds) of the specified bin. For example, suppose the index values for this object are as follows (where the index names are abbreviated, and index columns are underlined with octothorpes). <u>_SessName</u> <u>_IntvlDuration</u> <u>_IntvlNum</u> <u>_BinType</u> <u>_BinNum</u> ##### ##### ##### 'twlSess1' 'mi15Minutes(2)' 1 'fd(1)' 0 Then, the value of this object indicates the number of TWAMP-Light two-way frame delay measurements (in microseconds) in the first interval of 'twlSess1' that fit in the lowest configured delay range (as configured using tmnxOamPmCfgBinLowerBound).
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TWLSessionStats</p> <p>MIB entry name: tmnxOamPmStsDelayTwlEntry</p> <p>Entry description: tmnxOamPmStsDelayTwlEntry contains the TWAMP-Light frame delay summary statistics for one OAM Performance Monitoring Measurement Interval Data Set. When a row is created in tmnxOamPmStsBaseTable with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectDelayStats(1)' or 'collectDelayAndLossStats(3)'), three rows are created in this table. The three rows have the following values in the tmnxOamPmCfgBinType index column: 'fd(1)', 'fdr(2)', and 'ifdv(3)'. Rows are destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsDelayTwlTable): tmnxOamPmStsDelayTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame delay summary statistics. The frame delay summary statistics kept for TWAMP-Light tests are the same as the frame delay summary statistics specified for Ethernet DMM (Delay Measurement Message) tests in MEF-35 requirement R66.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		
delayTwl2wyAvg [Delay Twl 2 wy Avg] (tmnxOamPmStsDelayTwl2wyAvg)	long	The value of tmnxOamPmStsDelayTwl2wyAvg indicates the average two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMax [Delay Twl 2 wy Max] (tmnxOamPmStsDelayTwl2wyMax)	long	The value of tmnxOamPmStsDelayTwl2wyMax indicates the maximum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwl2wyMin [Delay Twl 2 wy Min] (tmnxOamPmStsDelayTwl2wyMin)	long	The value of tmnxOamPmStsDelayTwl2wyMin indicates the minimum two-way delay for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
delayTwlBwdAvg [Delay Twl Bwd Avg] (tmnxOamPmStsDelayTwlBwdAvg)	long	The value of tmnxOamPmStsDelayTwlBwdAvg indicates the average delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMax [Delay Twl Bwd Max] (tmnxOamPmStsDelayTwlBwdMax)	long	The value of tmnxOamPmStsDelayTwlBwdMax indicates the maximum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlBwdMin [Delay Twl Bwd Min] (tmnxOamPmStsDelayTwlBwdMin)	long	The value of tmnxOamPmStsDelayTwlBwdMin indicates the minimum delay in the backward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdAvg [Delay Twl Fwd Avg] (tmnxOamPmStsDelayTwlFwdAvg)	long	The value of tmnxOamPmStsDelayTwlFwdAvg indicates the average delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMax [Delay Twl Fwd Max] (tmnxOamPmStsDelayTwlFwdMax)	long	The value of tmnxOamPmStsDelayTwlFwdMax indicates the maximum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
delayTwlFwdMin [Delay Twl Fwd Min] (tmnxOamPmStsDelayTwlFwdMin)	long	The value of tmnxOamPmStsDelayTwlFwdMin indicates the minimum delay in the forward direction for the specified session, interval duration (e.g. 'mi15Minutes(2)'), interval number, and bin type (e.g. 'fd(1)').
intervalDuration [Interval Duration] (tmnxOamPmStsMeasIntvlDuration)	int	The value of tmnxOamPmStsMeasIntvlDuration specifies the duration of the interval of the statistics to be read (e.g. 'mi15Minutes(2)').
pmBinType [Pm Bin Type] (tmnxOamPmCfgBinType)	int	The value of tmnxOamPmCfgBinType specifies the type of the bin to be configured or read.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmStatsIntervalNum [Pm Stats Interval Num] (tmnxOamPmStsIntvlNum)	long	The value of tmnxOamPmStsIntvlNum specifies the interval number of the statistics to be read. The system's creation and destruction of interval numbers is described in the tmnxOamPmStsBaseEntry DESCRIPTION clause.
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>TwampSrvSessionStats</p> <p>MIB entry name: tmnxTwampSrvSessStatsEntry</p> <p>Entry description: tmnxTwampSrvSessStatsEntry contains read-only information about a TWAMP test session known to the TWAMP server. A row is created when the TWAMP server accepts a session request. A row is destroyed when the session is fully torn down.</p> <p>Table description (for tmnxTwampSrvSessStatsTable): tmnxTwampSrvSessStatsTable contains read-only information about the TWAMP test sessions known to the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwampSrvSession</p>		
operStat [Oper Stat] (tmnxTwampSrvSessOperState)	int	The value of tmnxTwampSrvSessOperState indicates the operational state of the specified session. Code points: create (1) - the session has been created, but it has not yet been started active (2) - the session is active (e.g. the Session-Sender is sending TWAMP-Test PDUs) stop (3) - the session is waiting to terminate (i.e. the Session-Reflector has received a TWAMP Stop-Sessions PDU, and is waiting for a timer expiry)
reflectorAddrType [Reflector Addr Type] (tmnxTwampSrvSessReflectorAddrTyp)	int	The value of tmnxTwampSrvSessReflectorAddrTyp indicates the address type of tmnxTwampSrvSessReflectorAddress.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reflectorAddress [Reflector Address] (tmnxTwampSrvSessReflectorAddress)	String	The value of tmnxTwampSrvSessReflectorAddress indicates the address of the specified session's TWAMP Session-Reflector.
reflectorUDPPort [Reflector UDPPort] (tmnxTwampSrvSessReflectorUdpPort)	int	The value of tmnxTwampSrvSessReflectorUdpPort indicates the UDP listen port of the specified session's TWAMP Session-Reflector.
senderAddrType [Sender Addr Type] (tmnxTwampSrvSessSenderAddrType)	int	The value of tmnxTwampSrvSessSenderAddrType indicates the address type of tmnxTwampSrvSessSenderAddress.
senderAddress [Sender Address] (tmnxTwampSrvSessSenderAddress)	String	The value of tmnxTwampSrvSessSenderAddress indicates the address of the specified session's TWAMP Session-Sender.
senderUDPPort [Sender UDPPort] (tmnxTwampSrvSessSenderUdpPort)	int	The value of tmnxTwampSrvSessSenderUdpPort indicates the value present in the Source UDP port field of test packets sent by the specified session's TWAMP Session-Sender.
sessionId [Session Id] (tmnxTwampSrvSessID)	String	The value of tmnxTwampSrvSessID indicates the session identifier (SID) for the specified session.
sessionSequenceNumber [Session Sequence Number] (tmnxTwampSrvSessSeqNum)	long	The value of tmnxTwampSrvSessSeqNum specifies this TWAMP test session's sequence number. A client address, a connection sequence number, and a session sequence number identify a session. When the TWAMP server accepts the first session request from a particular client and connection, sequence number 1 is assigned to the session. The second session request accepted from the same client and connection is assigned sequence number 2, etc. The sequence number assigned after 4294967295 is 1.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
TwampSrvStats MIB entry name: tmnxTwampStatisticsScalarObjs Supports realtime plotting Supports scheduled collection Monitored class: sas.TwampSrv		
twampSrvConnectionCount [Twamp Srv Connection Count] (tmnxTwampSrvConnectionCount)	long	The value of tmnxTwampSrvConnectionCount indicates the number of control connections currently managed by the TWAMP server.
twampSrvConnectionsRejected [Twamp Srv Connections Rejected] (tmnxTwampSrvConnectionsRejected)	long	The value of tmnxTwampSrvConnectionsRejected indicates the total number of control connection requests which have been rejected by the TWAMP server. Example reject reasons: the server's limit on the number of active connections has been reached; the client's IP address does not match any of the prefixes configured on the TWAMP server.
twampSrvOperStat [Twamp Srv Oper Stat] (tmnxTwampSrvOperState)	long	The value of tmnxTwampSrvOperState indicates if the TWAMP server is operationally 'inService(2)', or 'outOfService(3)'.
twampSrvSessionCount [Twamp Srv Session Count] (tmnxTwampSrvSessionCount)	long	The value of tmnxTwampSrvSessionCount indicates the number of currently in-progress TWAMP test sessions.
twampSrvTestPacketsRx [Twamp Srv Test Packets Rx] (tmnxTwampSrvTestPacketsRx)	long	The value of tmnxTwampSrvTestPacketsRx indicates the total number of TWAMP test packets received by the TWAMP server.
twampSrvTestPacketsTx [Twamp Srv Test Packets Tx] (tmnxTwampSrvTestPacketsTx)	long	The value of tmnxTwampSrvTestPacketsTx indicates the total number of TWAMP test packets sent by the TWAMP server.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
twampSrvTestSessAborted [Twamp Srv Test Sess Aborted] (tmnxTwampSrvTestSessAborted)	long	The value of tmnxTwampSrvTestSessAborted indicates the total number of test sessions aborted by the TWAMP server.
twampSrvTestSessCompleted [Twamp Srv Test Sess Completed] (tmnxTwampSrvTestSessCompleted)	long	The value of tmnxTwampSrvTestSessCompleted indicates the total number of test sessions completed by the TWAMP server.
twampSrvTestSessRejected [Twamp Srv Test Sess Rejected] (tmnxTwampSrvTestSessRejected)	long	The value of tmnxTwampSrvTestSessRejected indicates the total number of test sessions rejected by the TWAMP server.
twampSrvUpTime [Twamp Srv Up Time] (tmnxTwampSrvUpTime)	long	The value of tmnxTwampSrvUpTime indicates the time elapsed, in seconds, since the most recent transition of tmnxTwampSrvOperState to 'inService(2)'. If tmnxTwampSrvOperState is not 'inService(2)', zero is returned.
<p>TwlLossSessionStats</p> <p>MIB entry name: tmnxOamPmStsLossTwlEntry</p> <p>Entry description: tmnxOamPmStsLossTwlEntry contains the TWAMP-Light loss test statistics for one OAM Performance Monitoring Measurement Interval Data Set. A row is created in this table when a tmnxOamPmStsBaseTable row is created with tmnxOamPmStsBaseTestType = 'twampLight(3)' (provided tmnxOamPmCfgTwampLtCollectStats is 'collectLossStats(2)' or 'collectDelayAndLossStats(3)'). A row is destroyed in this table when the corresponding tmnxOamPmStsBaseTable row is destroyed. When a TWAMP-Light test is running, all the test's raw statistics can be cleared using TIMETRA-CLEAR-MIB::tmnxClearAction and tmnxClearParams. A successful clear operation zeros the TWAMP-Light delay and TWAMP-Light loss raw statistics for the specified session.</p> <p>Table description (for tmnxOamPmStsLossTwlTable): tmnxOamPmStsLossTwlTable contains TWAMP-Light (Two-Way Active Measurement Protocol, Light) frame loss statistics. The frame loss statistics kept for TWAMP-Light tests are the same as the frame loss statistics specified for Ethernet SLM (Synthetic Loss Measurement) tests in MEF-35 section 10.2.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TWLSession</p>		

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiAvailIndBwd [Pm Twl Avail Ind Bwd] (tmnxOamPmStsLossTwiAvailIndBwd)	long	The value of tmnxOamPmStsLossTwiAvailIndBwd indicates the number of availability indicators evaluated as Available in the backward direction for the specified measurement interval data set.
pmTwiAvailIndFwd [Pm Twl Avail Ind Fwd] (tmnxOamPmStsLossTwiAvailIndFwd)	long	The value of tmnxOamPmStsLossTwiAvailIndFwd indicates the number of availability indicators evaluated as Available in the forward direction for the specified measurement interval data set.
pmTwiAvgFlrBwd [Pm Twl Avg Flr Bwd] (tmnxOamPmStsLossTwiAvgFlrBwd)	float	The value of tmnxOamPmStsLossTwiAvgFlrBwd indicates the average Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwiAvgFlrFwd [Pm Twl Avg Flr Fwd] (tmnxOamPmStsLossTwiAvgFlrFwd)	float	The value of tmnxOamPmStsLossTwiAvgFlrFwd indicates the average Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwiChliBwd [Pm Twl Chli Bwd] (tmnxOamPmStsLossTwiChliBwd)	long	The value of tmnxOamPmStsLossTwiChliBwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the backward direction for the specified measurement interval data set.
pmTwiChliFwd [Pm Twl Chli Fwd] (tmnxOamPmStsLossTwiChliFwd)	long	The value of tmnxOamPmStsLossTwiChliFwd indicates the number of Consecutive High Loss Intervals (CHLIs) in the forward direction for the specified measurement interval data set.
pmTwiHliBwd [Pm Twl Hli Bwd] (tmnxOamPmStsLossTwiHliBwd)	long	The value of tmnxOamPmStsLossTwiHliBwd indicates the number of High Loss Intervals (HLIs) in the backward direction for the specified measurement interval data set.
pmTwiHliFwd [Pm Twl Hli Fwd] (tmnxOamPmStsLossTwiHliFwd)	long	The value of tmnxOamPmStsLossTwiHliFwd indicates the number of High Loss Intervals (HLIs) in the forward direction for the specified measurement interval data set.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwlMaxFlrBwd [Pm Twl Max Flr Bwd] (tmnxOamPmStsLossTwlMaxFlrBwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrBwd indicates the maximum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMaxFlrFwd [Pm Twl Max Flr Fwd] (tmnxOamPmStsLossTwlMaxFlrFwd)	float	The value of tmnxOamPmStsLossTwlMaxFlrFwd indicates the maximum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlMinFlrBwd [Pm Twl Min Flr Bwd] (tmnxOamPmStsLossTwlMinFlrBwd)	float	The value of tmnxOamPmStsLossTwlMinFlrBwd indicates the minimum Frame Loss Ratio (FLR) in the backward direction for the specified measurement interval data set.
pmTwlMinFlrFwd [Pm Twl Min Flr Fwd] (tmnxOamPmStsLossTwlMinFlrFwd)	float	The value of tmnxOamPmStsLossTwlMinFlrFwd indicates the minimum Frame Loss Ratio (FLR) in the forward direction for the specified measurement interval data set.
pmTwlRxBwd [Pm Twl Rx Bwd] (tmnxOamPmStsLossTwlRxBwd)	long	The value of tmnxOamPmStsLossTwlRxBwd indicates the number of TWAMP-Light reply frames received in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.
pmTwlRxFwd [Pm Twl Rx Fwd] (tmnxOamPmStsLossTwlRxFwd)	long	The value of tmnxOamPmStsLossTwlRxFwd indicates the number of TWAMP-Light request frames received in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at receive time (as specified in MEF-35 Section 9.2.5). A simple count of the frames received for the test is available in tmnxOamPmStsBaseTestFramesRx.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwtxBwd [Pm Twt Tx Bwd] (tmnxOamPmStsLossTwtxBwd)	long	The value of tmnxOamPmStsLossTwtxBwd indicates the number of TWAMP-Light reply frames transmitted in the backward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwtxFwd [Pm Twt Tx Fwd] (tmnxOamPmStsLossTwtxFwd)	long	The value of tmnxOamPmStsLossTwtxFwd indicates the number of TWAMP-Light request frames transmitted in the forward direction for the specified measurement interval data set. A frame is counted if the TWAMP-Light Availability state is Available at transmit time (as specified in MEF-35 Section 9.2.5). A simple count of the frames transmitted for the test is available in tmnxOamPmStsBaseTestFramesTx.
pmTwtUnavailIndBwd [Pm Twt Unavail Ind Bwd] (tmnxOamPmStsLossTwtUnavailIndBwd)	long	The value of tmnxOamPmStsLossTwtUnavailIndBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction for the specified measurement interval data set.
pmTwtUnavailIndFwd [Pm Twt Unavail Ind Fwd] (tmnxOamPmStsLossTwtUnavailIndFwd)	long	The value of tmnxOamPmStsLossTwtUnavailIndFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction for the specified measurement interval data set.
pmTwtUndtAvlBwd [Pm Twt Undt Avl Bwd] (tmnxOamPmStsLossTwtUndtAvlBwd)	long	The value of tmnxOamPmStsLossTwtUndtAvlBwd indicates the number of availability indicators evaluated as Available in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pmTwiUndtAvlFwd [Pm Twl Undt Avl Fwd] (tmnxOamPmStsLossTwiUndtAvlFwd)	long	The value of tmnxOamPmStsLossTwiUndtAvlFwd indicates the number of availability indicators evaluated as Available in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Available. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlBwd [Pm Twl Undt Unavl Bwd] (tmnxOamPmStsLossTwiUndtUnavlBwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlBwd indicates the number of availability indicators evaluated as Unavailable in the backward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the backward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.
pmTwiUndtUnavlFwd [Pm Twl Undt Unavl Fwd] (tmnxOamPmStsLossTwiUndtUnavlFwd)	long	The value of tmnxOamPmStsLossTwiUndtUnavlFwd indicates the number of availability indicators evaluated as Unavailable in the forward direction, based on extrapolation from the previous state. For example, this counter will be incremented when: 1. It is time to calculate an availability indicator, and 2. All the probe requests used to calculate the availability indicator have timed out, and 3. The most recently declared availability indicator in the forward direction was Unavailable. In that case, the result is considered undetermined because no information is available to indicate if the problem is in the forward direction or the backward direction.

Table 667 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionName [Session Name] (tmnxOamPmCfgSessName)	String	The value of tmnxOamPmCfgSessName specifies the name of the session to be configured or read.
<p>TwlReflectorStats</p> <p>MIB entry name: tmnxOamPmStsTwlRflEntry</p> <p>Entry description: tmnxOamPmStsTwlRflEntry contains the statistics for the specified OAM Performance Monitoring TWAMP-Light reflector. SROS creates a row in this table when a corresponding row is created in tmnxOamPmCfgTwlRflTable. SROS destroys a row in this table when a corresponding row is destroyed in tmnxOamPmCfgTwlRflTable. The encoding of the index is explained in the DESCRIPTION clause for tmnxOamPmCfgTwlRflEntry.</p> <p>Table description (for tmnxOamPmStsTwlRflTable): tmnxOamPmStsTwlRflTable contains the statistics for OAM Performance Monitoring TWAMP-Light reflectors.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.TwlReflector</p>		
framesRx [Frames Rx] (tmnxOamPmStsTwlRflFramesRx)	long	The value of tmnxOamPmStsTwlRflFramesRx indicates the number of TWAMP-Test frames received by the specified reflector.
framesTx [Frames Tx] (tmnxOamPmStsTwlRflFramesTx)	long	The value of tmnxOamPmStsTwlRflFramesTx indicates the number of TWAMP-Test frames transmitted by the specified reflector.
upTime [Up Time] (tmnxOamPmStsTwlRflUpTime)	long	The value of tmnxOamPmStsTwlRflUpTime indicates the time elapsed since the most recent transition of the reflector's administrative status to 'enabled(1)'. Zero is returned if the reflector's administrative status is 'disabled(2)'.

Table 668 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EgressAccessQDepthInfo</p> <p>MIB entry name: sapEgrQosQueueDepthInfoEntry</p> <p>Entry description: The value of sapEgrQosQueueDepthInfoEntry represents queue-depth monitoring information for SAP egress override queue for which the value of sapEgrQosQMonitorDepth is set to 'true (1)'. Table description (for sapEgrQosQueueDepthInfoTable): The value of sapEgrQosQueueDepthInfoTable has an entry for each SAP egress override queue for which the value of sapEgrQosQMonitorDepth is set to 'true (1)'. Supports realtime plotting Supports scheduled collection Monitored class: service.EgressAccessPolicyQueueOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (sapEgrQosQueueDepthAvgElpsdTme)	String	The value of sapEgrQosQueueDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (sapEgrQosQueueDepthAvgPollInt)	long	The value of sapEgrQosQueueDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (sapEgrQosQueueDepthPollPrct1)	double	The value of sapEgrQosQueueDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (sapEgrQosQueueDepthPollPrct10)	double	The value of sapEgrQosQueueDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (sapEgrQosQueueDepthPollPrct2)	double	The value of sapEgrQosQueueDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct3 [Depth Poll Prct 3] (sapEgrQosQueueDepthPollPrct3)	double	The value of sapEgrQosQueueDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.
depthPollPrct4 [Depth Poll Prct 4] (sapEgrQosQueueDepthPollPrct4)	double	The value of sapEgrQosQueueDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (sapEgrQosQueueDepthPollPrct5)	double	The value of sapEgrQosQueueDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (sapEgrQosQueueDepthPollPrct6)	double	The value of sapEgrQosQueueDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (sapEgrQosQueueDepthPollPrct7)	double	The value of sapEgrQosQueueDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (sapEgrQosQueueDepthPollPrct8)	double	The value of sapEgrQosQueueDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (sapEgrQosQueueDepthPollPrct9)	double	The value of sapEgrQosQueueDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IngressAccessQDepthInfo</p> <p>MIB entry name: sapIngQosQueueDepthInfoEntry</p> <p>Entry description: The value of sapIngQosQueueDepthInfoEntry represents queue-depth monitoring information for SAP ingress override queue for which the value of sapIngQosQMonitorDepth is set to 'true (1)'.</p> <p>Table description (for sapIngQosQueueDepthInfoTable): The value of sapIngQosQueueDepthInfoTable has an entry for each SAP ingress override queue for which the value of sapIngQosQMonitorDepth is set to 'true (1)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.IngressAccessPolicyQueueOverride</p>		
depthAvgElpsdTime [Depth Avg Elpsd Time] (sapIngQosQueueDepthAvgElpsdTme)	String	The value of sapIngQosQueueDepthAvgElpsdTme represents the average elapsed time since the start of queue-depth monitoring or the last monitoring clear.
depthAvgPollPrctInterval [Depth Avg Poll Prct Interval] (sapIngQosQueueDepthAvgPollInt)	long	The value of sapIngQosQueueDepthAvgPollInt represents the weighted average polling interval for the elapsed time.
depthPollPrct1 [Depth Poll Prct 1] (sapIngQosQueueDepthPollPrct1)	double	The value of sapIngQosQueueDepthPollPrct1 represents the percentage of polls in occupancy range of 0 to 10 percent for the queue depths seen during the polling elapsed time.
depthPollPrct10 [Depth Poll Prct 10] (sapIngQosQueueDepthPollPrct10)	double	The value of sapIngQosQueueDepthPollPrct10 represents the percentage of polls in occupancy range of 91 to 100 percent for the queue depths seen during the polling elapsed time.
depthPollPrct2 [Depth Poll Prct 2] (sapIngQosQueueDepthPollPrct2)	double	The value of sapIngQosQueueDepthPollPrct2 represents the percentage of polls in occupancy range of 11 to 20 percent for the queue depths seen during the polling elapsed time.
depthPollPrct3 [Depth Poll Prct 3] (sapIngQosQueueDepthPollPrct3)	double	The value of sapIngQosQueueDepthPollPrct3 represents the percentage of polls in occupancy range of 21 to 30 percent for the queue depths seen during the polling elapsed time.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
depthPollPrct4 [Depth Poll Prct 4] (sapIngQosQueueDepthPollPrct4)	double	The value of sapIngQosQueueDepthPollPrct4 represents the percentage of polls in occupancy range of 31 to 40 percent for the queue depths seen during the polling elapsed time.
depthPollPrct5 [Depth Poll Prct 5] (sapIngQosQueueDepthPollPrct5)	double	The value of sapIngQosQueueDepthPollPrct5 represents the percentage of polls in occupancy range of 41 to 50 percent for the queue depths seen during the polling elapsed time.
depthPollPrct6 [Depth Poll Prct 6] (sapIngQosQueueDepthPollPrct6)	double	The value of sapIngQosQueueDepthPollPrct6 represents the percentage of polls in occupancy range of 51 to 60 percent for the queue depths seen during the polling elapsed time.
depthPollPrct7 [Depth Poll Prct 7] (sapIngQosQueueDepthPollPrct7)	double	The value of sapIngQosQueueDepthPollPrct7 represents the percentage of polls in occupancy range of 61 to 70 percent for the queue depths seen during the polling elapsed time.
depthPollPrct8 [Depth Poll Prct 8] (sapIngQosQueueDepthPollPrct8)	double	The value of sapIngQosQueueDepthPollPrct8 represents the percentage of polls in occupancy range of 71 to 80 percent for the queue depths seen during the polling elapsed time.
depthPollPrct9 [Depth Poll Prct 9] (sapIngQosQueueDepthPollPrct9)	double	The value of sapIngQosQueueDepthPollPrct9 represents the percentage of polls in occupancy range of 81 to 90 percent for the queue depths seen during the polling elapsed time.
<p>L3AccessInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored class: service.L3AccessInterface</p>		

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailV6Bytes [URPFCheck Fail V6 Bytes] (vRtrIfV6uRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailBytes indicates the number of bytes in IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6BytesHigh32 [URPFCheck Fail V6 Bytes High 32] (vRtrIfV6uRPFCheckFailBytesHigh32)	long	The value of vRtrIfV6uRPFCheckFailBytesHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6BytesLow32 [URPFCheck Fail V6 Bytes Low 32] (vRtrIfV6uRPFCheckFailBytesLow32)	long	The value of vRtrIfV6uRPFCheckFailBytesLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailBytes.
uRPFCheckFailV6Pkts [URPFCheck Fail V6 Pkts] (vRtrIfV6uRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfV6uRPFCheckFailPkts indicates the number of IPv6 packets that fail uRPF check on this interface.
uRPFCheckFailV6PktsHigh32 [URPFCheck Fail V6 Pkts High 32] (vRtrIfV6uRPFCheckFailPktsHigh32)	long	The value of vRtrIfV6uRPFCheckFailPktsHigh32 indicates the high 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailV6PktsLow32 [URPFCheck Fail V6 Pkts Low 32] (vRtrIfV6uRPFCheckFailPktsLow32)	long	The value of vRtrIfV6uRPFCheckFailPktsLow32 indicates the lower 32 bits word of the value of vRtrIfV6uRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>SapBaseStats MIB entry name: sapBaseStatsEntry Entry description: Basic statistics about a specific SAP. Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInte- ger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchip- DroppedPackets)	java. math. BigInte- ger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOf- feredHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOf- feredHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOf- ferredLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOf- ferredLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOf- ferredUncoloredOctets)	java. math. BigInte- ger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- ferredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchipDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
ingressRcvdValidOcts [Ingress Rcvd Valid Octs] (sapBaseStatsIngPchipRcvdValidOct)	java. math. BigInteger	The value of sapBaseStatsIngPchipRcvdValidOct indicates number of received valid octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressRcvdValidPkts [Ingress Rcvd Valid Pkts] (sapBaseStatsIngPchipRcvdValidPkt)	java. math. BigInteger	The value of sapBaseStatsIngPchipRcvdValidPkt indicates number of received valid packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapDcpFpDynamicStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detectionTime [Detection Time] (sapDcpFpDynDetectionTime)	long	The value of sapDcpFpDynDetectionTime indicates the detection time remaining for the dynamic policer for a given protocol.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpDynHoldDown)	int	The value of sapDcpFpDynHoldDown indicates the remaining hold-down period for the dynamic policer for a given protocol.
isAllocated [Is Allocated] (sapDcpFpDynAllocated)	boolean	The value of sapDcpFpDynAllocated indicates whether dynamic policer has been allocated for this protocol.
pktsExcd [Pkts Excd] (sapDcpFpDynExcdCount)	java.math. BigInteger	The value of sapDcpFpDynExcdCount indicates number of packets exceeding the policing parameters since the dynamic policer for the given protocol was previously declared as conformant or newly instantiated.
policerState [Policer State] (sapDcpFpDynState)	int	The value of sapDcpFpDynState indicates the state of the dynamic policer for a particular protocol configured on Distributed CPU Protection Policy.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
protocolName [Protocol Name] (sapDcpFpProtocol)	int	The value of sapDcpFpProtocol specifies the protocol name to be monitored by Distributed CPU Protection Policy.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpLocMonPlcrStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassisIndex are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpId [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
isAllocated [Is Allocated] (sapDcpFpLocMonAllDynAlloc)	boolean	The value of sapDcpFpLocMonAllDynAlloc indicates whether all the dynamic policers associated with this local-monitor have been allocated.
pktsExcd [Pkts Excd] (sapDcpFpLocMonExcdCount)	java.math.BigInteger	The value of sapDcpFpLocMonExcdCount indicates number of packets exceeding the policing parameters since the given local-monitoring policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpLocMonPlicrName)	String	The value of sapDcpFpLocMonPlicrName specifies the local monitoring policy name for Distributed CPU Protection Policy.
policerState [Policer State] (sapDcpFpLocMonState)	int	The value of sapDcpFpLocMonState indicates the state of the local-monitoring policer configured on Distributed CPU Protection Policy.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
serviceId [Service Id] (svclId)	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapDcpFpStaticStats</p> <p>MIB entry name: tmnxCardEntry</p> <p>Entry description: Each row entry represents an IOM card slot in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. When a tmnxChassisEntry is created, a tmnxCardEntry is created for each IOM card slot in that chassis. Before a tmnxChassisEntry can be deleted, each tmnxCardEntry for that chassis must be in the proper state for removal.</p> <p>Table description (for tmnxCardTable): The tmnxCardTable has an entry for each IOM card slot in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.L3AccessInterface • ies.ServiceAccessPoint • ipipe.L2AccessInterface • mvpls.IL2AccessInterface • mvpls.L2AccessInterface • vll.L2AccessInterface • vpls.IL2AccessInterface • vpls.L2AccessInterface • vprn.L3AccessInterface • vprn.ServiceAccessPoint 		

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cardSlotNum [Card Slot Num] (tmnxCardSlotNum)	int	The unique value which identifies this IOM slot within a chassis in the system.
chassisIndex [Chassis Index] (tmnxChassisIndex)	int	The value of tmnxChassisIndex specifies a system identifier. The value of this object cannot be changed. The only supported value is '1'. Different values of TmnxPhysChassis-Index are used to identify different physical chassis (e.g. in an XRS-40 system) in tmnxPhysChassisTable.
detectionTime [Detection Time] (sapDcpFpStaticDetectionTime)	long	The value of sapDcpFpStaticDetectionTime indicates the detection time remaining for a given static-policer.
encapValue [Encap Value] (sapEncapValue)	long	The value of the label used to identify this SAP on the access port specified by sapPortId.
fpld [Fp Id] (tmnxFPNum)	int	The value of tmnxFPNum identifies the Forwarding Plane.
holdDown [Hold Down] (sapDcpFpStaticHoldDown)	int	The value of sapDcpFpStaticHoldDown indicates the remaining hold-down period for a given static-policer.
pktsExcd [Pkts Excd] (sapDcpFpStaticExcdCount)	java. math. BigInte- ger	The value of sapDcpFpStaticExcdCount indicates number of packets exceeding the policing parameters since the given static-policer was previously declared as conformant or newly instantiated.
policerName [Policer Name] (sapDcpFpStaticPlcrName)	String	The value of sapDcpFpStaticPlcrName specifies the static-policer name for Distributed CPU Protection Policy.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>policerState [Policer State] (sapDcpFpStaticState)</p>	int	The value of sapDcpFpStaticState indicates the state of the static-policer configured on Distributed CPU Protection Policy.
<p>portId [Port Id] (sapPortId)</p>	long	The ID of the access port where this SAP is defined.
<p>serviceId [Service Id] (svclId)</p>	long	The value of the object svclId specifies the Service identifier. This value should be unique within the service domain.
<p>SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
<p>custId [Cust Id] (sapEgrEGBaseStCustId)</p>	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
<p>dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)</p>	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats MIB entry name: sapEgrEGMbrQueueStEntry Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP. Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats MIB entry name: sapEgrEGMbrSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP. Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats</p> <p>MIB entry name: sapEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP.</p> <p>Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octets] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosArbiterStats</p> <p>MIB entry name: sapEgrQosArbitStatsEntry</p> <p>Entry description: Each row entry contains egress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapEgrQosArbitStatsTable): The sapEgrQosArbitStatsTable contains egress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (sapEgrQosArbitStatsName)	String	The value of sapEgrQosArbitStatsName specifies the egress QoS arbiter of this SAP.
sapEgrQosArbitStatsFwdOcts [Sap Egr Qos Arbit Stats Fwd Octs] (sapEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
sapEgrQosArbitStatsFwdPkts [Sap Egr Qos Arbit Stats Fwd Pkts] (sapEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP egress policer control policy, offered by the Pchip to the Qchip.
<p>SapEgrQosPolicerStats MIB entry name: sapEgrQosPolicerStatsEntry Entry description: Egress statistics about a specific SAP's QoS policer. Table description (for sapEgrQosPolicerStatsTable): A table that contains egress QoS policer SAP statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.L2AccessInterface • service.L3AccessInterface 		
sapEgrQosPStatsCustId [Sap Egr Qos PStats Cust Id] (sapEgrQosPStatsCustId)	long	The Customer ID for the associated service.
sapEgrQosPStatsMode [Sap Egr Qos PStats Mode] (sapEgrQosPStatsMode)	int	The value of sapEgrQosPStatsMode indicates the stat mode used by the policer.
sapEgrQosPStatsPolId [Sap Egr Qos PStats Pol Id] (sapEgrQosPStatsPolId)	long	The index of the egress QoS queue of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdEgrQosArbitStatsEntry</p> <p>Entry description: Each entry represents the egress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdEgrQosArbitStatsTable): The sapPortIdEgrQosArbitStatsTable contains egress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdEgrQosArbitName)	String	The value of sapPortIdEgrQosArbitName is used as an index of the egress QoS arbiter of this SAP.
sapEgrQosAssignmentPortId [Sap Egr Qos Assignment Port Id] (sapPortIdEgrPortId)	String	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
sapEgrQosPortIdArbitFwdOcts [Sap Egr Qos Port Id Arbit Fwd Octs] (sapPortIdEgrQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.
sapEgrQosPortIdArbitFwdPkts [Sap Egr Qos Port Id Arbit Fwd Pkts] (sapPortIdEgrQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP egress arbiter policy, offered by the Pchip to the Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats MIB entry name: sapEgrQosQueueStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats MIB entry name: sapEgrQosSchedStatsEntry Entry description: Egress statistics about a specific SAP's QoS queue. Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosArbiterStats</p> <p>MIB entry name: sapIngQosArbitStatsEntry</p> <p>Entry description: Each row entry contains ingress statistics about a particular SAP QoS arbiter.</p> <p>Table description (for sapIngQosArbitStatsTable): The sapIngQosArbitStatsTable contains ingress QoS arbiter statistics about SAPs. In the descriptions below 'Pchip' refers to the Nokia SROS series Packet Processing chip, while 'Qchip' refers to the Nokia SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapIngQosArbitStatsName)	String	The value of sapIngQosArbitStatsName specifies the ingress QoS arbiter of this SAP.
sapIngQosArbitStatsFwdOcts [Sap Ing Qos Arbit Stats Fwd Octs] (sapIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.
sapIngQosArbitStatsFwdPkts [Sap Ing Qos Arbit Stats Fwd Pkts] (sapIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of sapIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress policer control policy, offered by the Pchip to the Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPortIdArbiterStats</p> <p>MIB entry name: sapPortIdIngQosArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific SAP's QoS queue. Entries are created when a arbiter policy is applied to a SAP.</p> <p>Table description (for sapPortIdIngQosArbitStatsTable): The sapPortIdIngQosArbitStatsTable contains ingress QoS queue SAP statistics. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
arbiterName [Arbiter Name] (sapPortIdIngQosArbitName)	String	The value of sapPortIdIngQosArbitName is used as an index of the ingress QoS arbiter of this SAP.
sapIngQosPortIdArbitFwdOcts [Sap Ing Qos Port Id Arbit Fwd Octs] (sapPortIdIngQosArbitFwdOcts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdOcts indicates the number of forwarded octets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.
sapIngQosPortIdArbitFwdPkts [Sap Ing Qos Port Id Arbit Fwd Pkts] (sapPortIdIngQosArbitFwdPkts)	java. math. BigInteger	The value of sapPortIdIngQosArbitFwdPkts indicates the number of forwarded packets, as determined by the SAP ingress arbiter policy, offered by the Pchip to the Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosQueueStats</p> <p>MIB entry name: sapIngQosQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapIngQosQueueStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQoS SchedStats MIB entry name: sapIngQoS SchedStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQoS SchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes: <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface </p>		
customerId [Customer Id] (sapIngQoS SchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQoS SchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQoS SchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
qoS SchedName [QoS Sched Name] (sapIngQoS SchedName)	String	The index of the ingress QoS scheduler of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
<p>SapPortIdEgrEGSchedStats</p> <p>MIB entry name: sapPortIdEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortId)	long	The ID of the access port where this SAP is defined.

Table 668 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.

Table 669 sflow statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SflowReceiverStats</p> <p>MIB entry name: tmnxSflowRcvrStatsEntry</p> <p>Entry description: The tmnxSflowRcvrStatsEntry consists of statistics of sFlow information for the given receiver. For every entry in the SFLOW-MIB::sFlowRcvrTable, there is one entry for each tmnxSflowRcvrType in the tmnxSflowRcvrStatsTable.</p> <p>Table description (for tmnxSflowRcvrStatsTable): The tmnxSflowRcvrStatsTable contains statistics objects for the sFlow receivers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sflow.Receiver</p>		
sflowRcvrLastPacketSent [Sflow Rcvr Last Packet Sent] (tmnxSflowRcvrLastPacketSent)	long	The value of tmnxSflowRcvrLastPacketSent indicates the time, since system startup, when the last packet was sent from the given receiver. Zero indicates that no packets have been sent yet.
sflowRcvrPacketErrors [Sflow Rcvr Packet Errors] (tmnxSflowRcvrPacketErrors)	long	The value of tmnxSflowRcvrPacketErrors indicates the number of packet errors that have been detected by the given receiver.
sflowRcvrPacketsSent [Sflow Rcvr Packets Sent] (tmnxSflowRcvrPacketsSent)	long	The value of tmnxSflowRcvrPacketsSent indicates the number of packets sent from the given receiver.
sflowRcvrType [Sflow Rcvr Type] (tmnxSflowRcvrType)	int	The value of tmnxSflowRcvrType specifies the receiver type.

Table 670 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 670 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats</p> <p>MIB entry name: tCpmIPv6FilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created.</p> <p>Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 670 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats</p> <p>MIB entry name: tCpmMacFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFilterEntryId. Entries are created when tCpmMacFilterEntry rows are created.</p> <p>Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 670 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criteria are applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesec.SiteSystemSecurityPublicKey</p>		

Table 670 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 670 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 671 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 671 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 672 svq statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustEgrQosPortIdArbiterStats</p> <p>MIB entry name: custEgrQosPortIdArbitStatsEntry</p> <p>Entry description: Each row entry represents the egress statistics for a customer multi-service-site egress arbiter.</p> <p>Table description (for custEgrQosPortIdArbitStatsTable): The custEgrQosPortIdArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custEgrQosPortIdArbitName)	String	The value of custEgrQosPortIdArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custEgrQosPortIdArbitFwdOcts [Cust Egr Qos Port Id Arbit Fwd Octs] (custEgrQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custEgrQosPortIdArbitFwdPkts [Cust Egr Qos Port Id Arbit Fwd Pkts] (custEgrQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custEgrQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.
<p>CustIngQosPortIdArbiterStats</p> <p>MIB entry name: custIngQosPortIdArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter.</p> <p>Table description (for custIngQosPortIdArbitStatsTable): The custIngQosPortIdArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		

Table 672 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
arbiterName [Arbiter Name] (custIngQosPortIdArbitName)	String	The value of custIngQosPortIdArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custIngQosPortIdArbitFwdOcts [Cust Ing Qos Port Id Arbit Fwd Octs] (custIngQosPortIdArbitFwdOcts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.
custIngQosPortIdArbitFwdPkts [Cust Ing Qos Port Id Arbit Fwd Pkts] (custIngQosPortIdArbitFwdPkts)	java. math. BigInteger	The value of custIngQosPortIdArbitFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.
<p>CustMultiSvcSiteEgrQosArbiterStats MIB entry name: custMssEgrQosArbitStatsEntry Entry description: Each entry represents the egress statistics about a specific customer multi service site egress arbiter. Table description (for custMssEgrQosArbitStatsTable): The custMssEgrQosArbitStatsTable contains egress QoS arbiter statistics for the customer multi service site, organized by arbiter. Supports realtime plotting Supports scheduled collection Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssEgrQosArbitName)	String	The value of custMssEgrQosArbitName is used as an index of the egress QoS arbiter of this customer multi service site.
custMssEgrQosArbitStatsFwdOcts [Cust Mss Egr Qos Arbit Stats Fwd Octs] (custMssEgrQosArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site egress arbiter policy.
custMssEgrQosArbitStatsFwdPkts [Cust Mss Egr Qos Arbit Stats Fwd Pkts] (custMssEgrQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssEgrQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site egress arbiter policy.

Table 672 svq statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CustMultiSvcSiteIngQosArbiterStats</p> <p>MIB entry name: custMssIngQosArbitStatsEntry</p> <p>Entry description: Each entry represents the ingress statistics about a specific customer multi service site ingress arbiter.</p> <p>Table description (for custMssIngQosArbitStatsTable): The custMssIngQosArbitStatsTable contains ingress QoS arbiter statistics for the customer multi service site, organized by arbiter.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: svq.AggregationScheduler</p>		
arbiterName [Arbiter Name] (custMssIngQosArbitName)	String	The value of custMssIngQosArbitName is used as an index of the ingress QoS arbiter of this customer multi service site.
custMssIngQosArbitStatsFwdOcts [Cust Mss Ing Qos Arbit Stats Fwd Octs] (custMssIngQosArbitStatsFwdOcts)	java. math. BigInteger	The value of custMssIngQosArbitStatsFwdOcts indicates the number of forwarded octets, as determined by the customer multi service site ingress arbiter policy.
custMssIngQosArbitStatsFwdPkts [Cust Mss Ing Qos Arbit Stats Fwd Pkts] (custMssIngQosArbitStatsFwdPkts)	java. math. BigInteger	The value of custMssIngQosArbitStatsFwdPkts indicates the number of forwarded packets, as determined by the customer multi service site ingress arbiter policy.

Table 673 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
GRE Tunnel Stats MIB entry name: tmnxIpTunnelStatsEntry Entry description: The tmnxIpTunnelStatsEntry contains statistics information for a single IP Tunnel. Table description (for tmnxIpTunnelStatsTable): The tmnxIpTunnelStatsTable contains statistics entries per IP tunnel. Supports realtime plotting Supports scheduled collection Monitored class: svt.GRETunnel		
bytesRx [Bytes Rx] (tmnxIpTunnelBytesRx)	java. math. BigInteger	The value of tmnxIpTunnelBytesRx indicates the number of bytes this IP Tunnel has received.
bytesRxHi [Bytes Rx Hi] (tmnxIpTunnelBytesRxHi)	long	The value of tmnxIpTunnelBytesRxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesRxLo [Bytes Rx Lo] (tmnxIpTunnelBytesRxLo)	long	The value of tmnxIpTunnelBytesRxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesRx object.
bytesTx [Bytes Tx] (tmnxIpTunnelBytesTx)	java. math. BigInteger	The value of tmnxIpTunnelBytesTx indicates the number of bytes this IP Tunnel has sent.
bytesTxHi [Bytes Tx Hi] (tmnxIpTunnelBytesTxHi)	long	The value of tmnxIpTunnelBytesTxHi indicates higher 32 bits of the value of tmnxIpTunnelBytesTx object.
bytesTxLo [Bytes Tx Lo] (tmnxIpTunnelBytesTxLo)	long	The value of tmnxIpTunnelBytesTxLo indicates lower 32 bits of the value of tmnxIpTunnelBytesTx object.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
invalidChksumRx [Invalid Chksum Rx] (tmnxIpTunnelInvalidChksumRx)	java. math. BigInteger	The value of tmnxIpTunnelInvalidChksumRx indicates the number of packets this IP Tunnel received with invalid checksum and were dropped.
invalidChksumRxHi [Invalid Chksum Rx Hi] (tmnxIpTunnelInvalidChksumRxHi)	long	The value of tmnxIpTunnelInvalidChksumRxHi indicates higher 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
invalidChksumRxLo [Invalid Chksum Rx Lo] (tmnxIpTunnelInvalidChksumRxLo)	long	The value of tmnxIpTunnelInvalidChksumRxLo indicates lower 32 bits of the value of tmnxIpTunnelInvalidChksumRx object.
keyIgnoredRx [Key Ignored Rx] (tmnxIpTunnelKeyIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelKeyIgnoredRx indicates the number of packets this IP Tunnel received and processed ignoring key field.
keyIgnoredRxHi [Key Ignored Rx Hi] (tmnxIpTunnelKeyIgnoredRxHi)	long	The value of tmnxIpTunnelKeyIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
keyIgnoredRxLo [Key Ignored Rx Lo] (tmnxIpTunnelKeyIgnoredRxLo)	long	The value of tmnxIpTunnelKeyIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelKeyIgnoredRx object.
loopsRx [Loops Rx] (tmnxIpTunnelLoopsRx)	java. math. BigInteger	The value of tmnxIpTunnelLoopsRx indicates the number of packets this IP Tunnel received with payload with destination address which could result in a loop and were dropped.
loopsRxHi [Loops Rx Hi] (tmnxIpTunnelLoopsRxHi)	long	The value of tmnxIpTunnelLoopsRxHi indicates higher 32 bits of the value of tmnxIpTunnelLoopsRx object.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
loopsRxLo [Loops Rx Lo] (tmnxIpTunnelLoopsRxLo)	long	The value of tmnxIpTunnelLoopsRxLo indicates lower 32 bits of the value of tmnxIpTunnelLoopsRx object.
pktsRx [Pkts Rx] (tmnxIpTunnelPktsRx)	java. math. BigInteger	The value of tmnxIpTunnelPktsRx indicates the number of packets this IP Tunnel has received.
pktsRxHi [Pkts Rx Hi] (tmnxIpTunnelPktsRxHi)	long	The value of tmnxIpTunnelPktsRxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsRxLo [Pkts Rx Lo] (tmnxIpTunnelPktsRxLo)	long	The value of tmnxIpTunnelPktsRxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsRx object.
pktsTx [Pkts Tx] (tmnxIpTunnelPktsTx)	java. math. BigInteger	The value of tmnxIpTunnelPktsTx indicates the number of packets this IP Tunnel has sent.
pktsTxHi [Pkts Tx Hi] (tmnxIpTunnelPktsTxHi)	long	The value of tmnxIpTunnelPktsTxHi indicates higher 32 bits of the value of tmnxIpTunnelPktsTx object.
pktsTxLo [Pkts Tx Lo] (tmnxIpTunnelPktsTxLo)	long	The value of tmnxIpTunnelPktsTxLo indicates lower 32 bits of the value of tmnxIpTunnelPktsTx object.
rxErrors [Rx Errors] (tmnxIpTunnelRxErrors)	long	The value of tmnxIpTunnelRxErrors indicates the number of packet receive errors.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqIgnoredRx [Seq Ignored Rx] (tmnxIpTunnelSeqIgnoredRx)	java. math. BigInteger	The value of tmnxIpTunnelSeqIgnoredRx indicates the number of packets this IP Tunnel and processed ignoring sequence field.
seqIgnoredRxHi [Seq Ignored Rx Hi] (tmnxIpTunnelSeqIgnoredRxHi)	long	The value of tmnxIpTunnelSeqIgnoredRxHi indicates higher 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
seqIgnoredRxLo [Seq Ignored Rx Lo] (tmnxIpTunnelSeqIgnoredRxLo)	long	The value of tmnxIpTunnelSeqIgnoredRxLo indicates lower 32 bits of the value of tmnxIpTunnelSeqIgnoredRx object.
tooBigTx [Too Big Tx] (tmnxIpTunnelTooBigTx)	java. math. BigInteger	The value of tmnxIpTunnelTooBigTx indicates the number of packets this IP Tunnel received which were too big to transmit.
tooBigTxHi [Too Big Tx Hi] (tmnxIpTunnelTooBigTxHi)	long	The value of tmnxIpTunnelTooBigTxHi indicates higher 32 bits of the value of tmnxIpTunnelTooBigTx object.
tooBigTxLo [Too Big Tx Lo] (tmnxIpTunnelTooBigTxLo)	long	The value of tmnxIpTunnelTooBigTxLo indicates lower 32 bits of the value of tmnxIpTunnelTooBigTx object.
txErrors [Tx Errors] (tmnxIpTunnelTxErrors)	long	The value of tmnxIpTunnelTxErrors indicates the number of packet transmit errors.
versUnsupRx [Vers Unsup Rx] (tmnxIpTunnelVersUnsupRx)	java. math. BigInteger	The value of tmnxIpTunnelVersUnsupRx indicates the number of packets this IP Tunnel received with unsupported IP version and were dropped.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
versUnsupRxHi [Vers Unsup Rx Hi] (tmnxIpTunnelVersUnsupRxHi)	long	The value of tmnxIpTunnelVersUnsupRxHi indicates higher 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
versUnsupRxLo [Vers Unsup Rx Lo] (tmnxIpTunnelVersUnsupRxLo)	long	The value of tmnxIpTunnelVersUnsupRxLo indicates lower 32 bits of the value of tmnxIpTunnelVersUnsupRx object.
MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressFor- wardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding </p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressFor- wardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIcmpSnpgErrorStats</p> <p>MIB entry name: sdpBindIcmpSnpgStatsEntry</p> <p>Entry description: sdpBindIcmpSnpgStatsEntry is an entry in the sdpBindIcmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindIcmpSnpgStatsTable): sdpBindIcmpSnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIcmpSnpgImportPolicyDrops [Sdp Bnd Icmp Snpg Import Policy Drops] (sdpBndIcmpSnpgImportPolicyDrops)	long	The value of the object sdpBndIcmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumGroupsDrops [Sdp Bnd IgmP Snpg Max Num Groups Drops] (sdpBndIgmPsnpgMaxNumGroupsDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd IgmP Snpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'.
<p>SdpBindingIgmPsnpgStats</p> <p>MIB entry name: sdpBindingIgmPsnpgStatsEntry</p> <p>Entry description: sdpBindingIgmPsnpgStatsEntry is an entry in the sdpBindingIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindingIgmPsnpgStatsTable): sdpBindingIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.

Table 673 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloResponseMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Table 674 vpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EvpnMplsIgmPsnpgErrorStats</p> <p>MIB entry name: eMplsIgmPsnpgStatsEntry</p> <p>Entry description: eMplsIgmPsnpgStatsEntry is an entry in the eMplsIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for an evpn-mpls in a TIs.</p> <p>Table description (for eMplsIgmPsnpgStatsTable): eMplsIgmPsnpgStatsTable contains statistics on IGMP snooping per evpn-mpls.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.BSite • vpls.ISite • vpls.Site 		
eMplsIgmPsnpgImportPolicyDrops [EMpls Igmp Snpg Import Policy Drops] (eMplsIgmPsnpgImportPolicyDrops)	long	The value of the object eMplsIgmPsnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this evpn-mpls.
eMplsIgmPsnpgMaxNumGroupsDrops [EMpls Igmp Snpg Max Num Groups Drops] (eMplsIgmPsnpgMaxNumGroupsDrops)	long	The value of the object eMplsIgmPsnpgMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this evpn-mpls.
eMplsIgmPsnpgMaxNumGrpSrcsDrops [EMpls Igmp Snpg Max Num Grp Srcs Drops] (eMplsIgmPsnpgMaxNumGrpSrcsDrops)	long	The value of the object eMplsIgmPsnpgMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this evpn-mpls.
eMplsIgmPsnpgMaxNumSourcesDrops [EMpls Igmp Snpg Max Num Sources Drops] (eMplsIgmPsnpgMaxNumSourcesDrops)	long	The value of the object eMplsIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this evpn-mpls.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgMcacPolicyDrops [EMpls IgmP Snpg Mcac Policy Drops] (eMplsIgmPsnpgMcacPolicyDrops)	long	The value of the object eMplsIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this evpn-mpls.
eMplsIgmPsnpgMcsFailures [EMpls IgmP Snpg Mcs Failures] (eMplsIgmPsnpgMcsFailures)	long	The value of the object eMplsIgmPsnpgMcsFailures indicates the number of times an IGMP Group on this evpn-mpls could not be synced to the MCS (multi-chassis synchronization) database.
eMplsIgmPsnpgRxBadEncodedPkts [EMpls IgmP Snpg Rx Bad Encoded Pkts] (eMplsIgmPsnpgRxBadEncodedPkts)	long	The value of the object eMplsIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this evpn-mpls because of a bad encoding.
eMplsIgmPsnpgRxBadIgmPChkSmPkts [EMpls IgmP Snpg Rx Bad IgmP ChkSm Pkts] (eMplsIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object eMplsIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this evpn-mpls because of a bad IGMP header checksum.
eMplsIgmPsnpgRxBadIpChkSmPkts [EMpls IgmP Snpg Rx Bad Ip ChkSm Pkts] (eMplsIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object eMplsIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this evpn-mpls because of a bad IPv4 header checksum.
eMplsIgmPsnpgRxBadLenPkts [EMpls IgmP Snpg Rx Bad Len Pkts] (eMplsIgmPsnpgRxBadLenPkts)	long	The value of the object eMplsIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this evpn-mpls because of a bad length.
eMplsIgmPsnpgRxLocalScopePkts [EMpls IgmP Snpg Rx Local Scope Pkts] (eMplsIgmPsnpgRxLocalScopePkts)	long	The value of the object eMplsIgmPsnpgRxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv6 multicast address.
eMplsIgmPsnpgRxNoRtrAlertPkts [EMpls IgmP Snpg Rx No Rtr Alert Pkts] (eMplsIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object eMplsIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this evpn-mpls because the Router Alert Option in the IP packet is not set.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgRxRsvdScopePkts [EMpls Igmp SnpG Rx Rsvd Scope Pkts] (eMplsIgmPsnpgRxRsvdScopePkts)	long	The value of the object eMplsIgmPsnpgRxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv6 multicast address.
eMplsIgmPsnpgRxWrongVersionPkts [EMpls Igmp SnpG Rx Wrong Version Pkts] (eMplsIgmPsnpgRxWrongVersionPkts)	long	The value of the object eMplsIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this evpn-mpls.
eMplsIgmPsnpgRxZeroSrcAdrPkts [EMpls Igmp SnpG Rx Zero Src Adr Pkts] (eMplsIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object eMplsIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this evpn-mpls because they contain a zero source IPv4 address.
eMplsIgmPsnpgSendQueryCfgDrops [EMpls Igmp SnpG Send Query Cfg Drops] (eMplsIgmPsnpgSendQueryCfgDrops)	long	The value of the object eMplsIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmPsnpgCfgSendQueries for this evpn-mpls is set to 'enabled(1)'.
<p>EvpnMplsIgmPsnpgStats</p> <p>MIB entry name: eMplsIgmPsnpgStatsEntry</p> <p>Entry description: eMplsIgmPsnpgStatsEntry is an entry in the eMplsIgmPsnpgStatsTable. Each entry contains IGMP snooping statics for an evpn-mpls in a TIs.</p> <p>Table description (for eMplsIgmPsnpgStatsTable): eMplsIgmPsnpgStatsTable contains statistics on IGMP snooping per evpn-mpls.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.BSite • vpls.ISite • vpls.Site 		
eMplsIgmPsnpgFwdGenQueries [EMpls Igmp SnpG Fwd Gen Queries] (eMplsIgmPsnpgFwdGenQueries)	long	The value of the object eMplsIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this evpn-mpls.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgFwdGrpSpecQueries [EMpls IgmP SnpG Fwd Grp Spec Queries] (eMplsIgmPsnpgFwdGrpSpecQueries)	long	The value of the object eMplsIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdSrcSpecQueries [EMpls IgmP SnpG Fwd Src Spec Queries] (eMplsIgmPsnpgFwdSrcSpecQueries)	long	The value of the object eMplsIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdUnknownType [EMpls IgmP SnpG Fwd Unknown Type] (eMplsIgmPsnpgFwdUnknownType)	long	The value of the object eMplsIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV1Reports [EMpls IgmP SnpG Fwd V1 Reports] (eMplsIgmPsnpgFwdV1Reports)	long	The value of the object eMplsIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV2Leaves [EMpls IgmP SnpG Fwd V2 Leaves] (eMplsIgmPsnpgFwdV2Leaves)	long	The value of the object eMplsIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV2Reports [EMpls IgmP SnpG Fwd V2 Reports] (eMplsIgmPsnpgFwdV2Reports)	long	The value of the object eMplsIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this evpn-mpls.
eMplsIgmPsnpgFwdV3Reports [EMpls IgmP SnpG Fwd V3 Reports] (eMplsIgmPsnpgFwdV3Reports)	long	The value of the object eMplsIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this evpn-mpls.
eMplsIgmPsnpgRxGenQueries [EMpls IgmP SnpG Rx Gen Queries] (eMplsIgmPsnpgRxGenQueries)	long	The value of the object eMplsIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this evpn-mpls.
eMplsIgmPsnpgRxGrpSpecQueries [EMpls IgmP SnpG Rx Grp Spec Queries] (eMplsIgmPsnpgRxGrpSpecQueries)	long	The value of the object eMplsIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this evpn-mpls.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmpSnpG Rx Src Spec Queries [EMpls Igmp SnpG Rx Src Spec Queries] (eMplsIgmpSnpG Rx Src Spec Queries)	long	The value of the object eMplsIgmpSnpG Rx Src Spec Queries indicates the number of IGMP Group-And-Source-Specific Queries received on this evpn-mpls.
eMplsIgmpSnpG Rx Unknown Type [EMpls Igmp SnpG Rx Unknown Type] (eMplsIgmpSnpG Rx Unknown Type)	long	The value of the object eMplsIgmpSnpG Rx Unknown Type indicates the number of IGMP unknown type packets received on this evpn-mpls.
eMplsIgmpSnpG Rx V1 Reports [EMpls Igmp SnpG Rx V1 Reports] (eMplsIgmpSnpG Rx V1 Reports)	long	The value of the object eMplsIgmpSnpG Rx V1 Reports indicates the number of IGMPv1 Reports received on this evpn-mpls.
eMplsIgmpSnpG Rx V2 Leaves [EMpls Igmp SnpG Rx V2 Leaves] (eMplsIgmpSnpG Rx V2 Leaves)	long	The value of the object eMplsIgmpSnpG Rx V2 Leaves indicates the number of IGMPv2 Leaves received on this evpn-mpls.
eMplsIgmpSnpG Rx V2 Reports [EMpls Igmp SnpG Rx V2 Reports] (eMplsIgmpSnpG Rx V2 Reports)	long	The value of the object eMplsIgmpSnpG Rx V2 Reports indicates the number of IGMPv2 Reports received on this evpn-mpls.
eMplsIgmpSnpG Rx V3 Reports [EMpls Igmp SnpG Rx V3 Reports] (eMplsIgmpSnpG Rx V3 Reports)	long	The value of the object eMplsIgmpSnpG Rx V3 Reports indicates the number of IGMPv3 Reports received on this evpn-mpls.
eMplsIgmpSnpG Tx Gen Queries [EMpls Igmp SnpG Tx Gen Queries] (eMplsIgmpSnpG Tx Gen Queries)	long	The value of the object eMplsIgmpSnpG Tx Gen Queries indicates the number of IGMP General Queries transmitted on this evpn-mpls.
eMplsIgmpSnpG Tx Grp Spec Queries [EMpls Igmp SnpG Tx Grp Spec Queries] (eMplsIgmpSnpG Tx Grp Spec Queries)	long	The value of the object eMplsIgmpSnpG Tx Grp Spec Queries indicates the number of IGMP Group-Specific Queries transmitted on this evpn-mpls.
eMplsIgmpSnpG Tx Src Spec Queries [EMpls Igmp SnpG Tx Src Spec Queries] (eMplsIgmpSnpG Tx Src Spec Queries)	long	The value of the object eMplsIgmpSnpG Tx Src Spec Queries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this evpn-mpls.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eMplsIgmPsnpgTxV1Reports [EMpls Igmp Snpg Tx V1 Reports] (eMplsIgmPsnpgTxV1Reports)	long	The value of the object eMplsIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV2Leaves [EMpls Igmp Snpg Tx V2 Leaves] (eMplsIgmPsnpgTxV2Leaves)	long	The value of the object eMplsIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV2Reports [EMpls Igmp Snpg Tx V2 Reports] (eMplsIgmPsnpgTxV2Reports)	long	The value of the object eMplsIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this evpn-mpls.
eMplsIgmPsnpgTxV3Reports [EMpls Igmp Snpg Tx V3 Reports] (eMplsIgmPsnpgTxV3Reports)	long	The value of the object eMplsIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this evpn-mpls.
InterfacePimSnoopingStats MIB entry name: tmnxPimSnpgIfStatsEntry Entry description: An entry in the tmnxPimSnpgIfStatsTable. Table description (for tmnxPimSnpgIfStatsTable): The table listing the PIM statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: vpls.InterfacePimSnooping		
tmnxPimSnpgIfJoinPolicyDrops [Tmnx Pim Snpg If Join Policy Drops] (tmnxPimSnpgIfJoinPolicyDrops)	long	The value of tmnxPimSnpgIfJoinPolicyDrops indicates the number of times the join policy match resulted in dropping PIM Join-Prune Message or one of the source group contained in the message.
tmnxPimSnpgIfRxBadChecksumDscrd [Tmnx Pim Snpg If Rx Bad Checksum Dscrd] (tmnxPimSnpgIfRxBadChecksumDscrd)	long	The value of tmnxPimSnpgIfRxBadChecksumDscrd indicates the number of PIM messages received on this interface which were discarded because of bad checksum.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpglfRxBadEncodings [Tmnx Pim Snpglf Rx Bad Encodings] (tmnxPimSnpglfRxBadEncodings)	long	The value of tmnxPimSnpglfRxBadEncodings indicates the number of PIM messages with bad encodings received on this interface.
tmnxPimSnpglfRxBadVersionDscrd [Tmnx Pim Snpglf Rx Bad Version Dscrd] (tmnxPimSnpglfRxBadVersionDscrd)	long	The value of tmnxPimSnpglfRxBadVersionDscrd indicates the number of PIM messages with bad versions received on this interface.
tmnxPimSnpglfRxHellos [Tmnx Pim Snpglf Rx Hellos] (tmnxPimSnpglfRxHellos)	long	The value of tmnxPimSnpglfRxHellos indicates the number of PIM hello messages received on this interface.
tmnxPimSnpglfRxHellosDropped [Tmnx Pim Snpglf Rx Hellos Dropped] (tmnxPimSnpglfRxHellosDropped)	long	The value of tmnxPimSnpglfRxHellosDropped indicates the number of PIM Hello messages which were received on this interface but were dropped.
tmnxPimSnpglfRxJoinPruneErrs [Tmnx Pim Snpglf Rx Join Prune Errs] (tmnxPimSnpglfRxJoinPruneErrs)	long	The value of tmnxPimSnpglfRxJoinPruneErrs indicates the number of errors while processing Join-Prune messages received on this interface.
tmnxPimSnpglfRxJoinPrunes [Tmnx Pim Snpglf Rx Join Prunes] (tmnxPimSnpglfRxJoinPrunes)	long	The value of tmnxPimSnpglfRxJoinPrunes indicates the number of PIM Join Prune messages received on this interface.
tmnxPimSnpglfRxNbrUnknown [Tmnx Pim Snpglf Rx Nbr Unknown] (tmnxPimSnpglfRxNbrUnknown)	long	The value of tmnxPimSnpglfRxNbrUnknown indicates the number of PIM messages (other than Hello messages) which were received on this interface and were rejected because the adjacency with the neighbor router was not already established.
tmnxPimSnpglfRxPkts [Tmnx Pim Snpglf Rx Pkts] (tmnxPimSnpglfRxPkts)	long	The value of tmnxPimSnpglfRxPkts indicates the number of multicast data packets received on this interface.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxPimSnpgIfSGTypes [Tmnx Pim Snpg If SGTypes] (tmnxPimSnpgIfSGTypes)	long	The value of tmnxPimSnpgIfSGTypes indicates the number of (S,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfStarGTypes [Tmnx Pim Snpg If Star GTypes] (tmnxPimSnpgIfStarGTypes)	long	The value of tmnxPimSnpgIfStarGTypes indicates the number of (*,G) entries in tmnxPimSnpgIfGrpSrcTable.
tmnxPimSnpgIfTxJoinPrunes [Tmnx Pim Snpg If Tx Join Prunes] (tmnxPimSnpgIfTxJoinPrunes)	long	The value of tmnxPimSnpgIfTxJoinPrunes indicates the number of PIM Join Prune messages transmitted on this interface.
tmnxPimSnpgIfTxPkts [Tmnx Pim Snpg If Tx Pkts] (tmnxPimSnpgIfTxPkts)	long	The value of tmnxPimSnpgIfTxPkts indicates the number of multicast data packets transmitted on this interface.
<p>L2AccessInterfaceIcmpSnpgErrorStats</p> <p>MIB entry name: saplgmpSnpgStatsEntry</p> <p>Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs.</p> <p>Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgImportPolicyDrops [Sap Igmp Snpg Import Policy Drops] (saplgmpSnpgImportPolicyDrops)	long	The value of the object saplgmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGMaxNumGroupsDrops [Sap Igmp SnpG Max Num Groups Drops] (saplgmpSnpGMaxNumGroupsDrops)	long	The value of the object saplgmpSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SAP.
saplgmpSnpGMaxNumSourcesDrops [Sap Igmp SnpG Max Num Sources Drops] (saplgmpSnpGMaxNumSourcesDrops)	long	The value of the object saplgmpSnpGMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SAP.
saplgmpSnpGMcacPolicyDrops [Sap Igmp SnpG Mcac Policy Drops] (saplgmpSnpGMcacPolicyDrops)	long	The value of the object saplgmpSnpGMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SAP.
saplgmpSnpGMcsFailures [Sap Igmp SnpG Mcs Failures] (saplgmpSnpGMcsFailures)	long	The value of the object saplgmpSnpGMcsFailures indicates the number of times an IGMP Group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
saplgmpSnpGRxBadEncodedPkts [Sap Igmp SnpG Rx Bad Encoded Pkts] (saplgmpSnpGRxBadEncodedPkts)	long	The value of the object saplgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this SAP because of a bad encoding.
saplgmpSnpGRxBadIgmpChkSmPkts [Sap Igmp SnpG Rx Bad Igmp ChkSm Pkts] (saplgmpSnpGRxBadIgmpChkSmPkts)	long	The value of the object saplgmpSnpGRxBadIgmpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IGMP header checksum.
saplgmpSnpGRxBadIpChkSmPkts [Sap Igmp SnpG Rx Bad Ip ChkSm Pkts] (saplgmpSnpGRxBadIpChkSmPkts)	long	The value of the object saplgmpSnpGRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SAP because of a bad IPv4 header checksum.
saplgmpSnpGRxBadLenPkts [Sap Igmp SnpG Rx Bad Len Pkts] (saplgmpSnpGRxBadLenPkts)	long	The value of the object saplgmpSnpGRxBadLenPkts indicates the number of IGMP packets dropped on this SAP because of a bad length.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnPgRxNoRtrAlertPkts [Sap Igmp Snpg Rx No Rtr Alert Pkts] (sapIgmPsnPgRxNoRtrAlertPkts)	long	The value of the object sapIgmPsnPgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapIgmPsnPgRxWrongVersionPkts [Sap Igmp Snpg Rx Wrong Version Pkts] (sapIgmPsnPgRxWrongVersionPkts)	long	The value of the object sapIgmPsnPgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SAP.
sapIgmPsnPgRxZeroSrcAdrPkts [Sap Igmp Snpg Rx Zero Src Adr Pkts] (sapIgmPsnPgRxZeroSrcAdrPkts)	long	The value of the object sapIgmPsnPgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SAP because they contain a zero source IPv4 address.
sapIgmPsnPgSendQueryCfgDrops [Sap Igmp Snpg Send Query Cfg Drops] (sapIgmPsnPgSendQueryCfgDrops)	long	The value of the object sapIgmPsnPgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sapIgmPsnPgCfgSendQueries for this SAP is set to 'enabled(1)'. L2AccessInterfaceIgmPsnPgStats MIB entry name: sapIgmPsnPgStatsEntry Entry description: sapIgmPsnPgStatsEntry is an entry in the sapIgmPsnPgStatsTable. Each entry contains IGMP snooping statics for a SAP in a TIs. Table description (for sapIgmPsnPgStatsTable): sapIgmPsnPgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored classes: • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface
sapIgmPsnPgFwdGenQueries [Sap Igmp Snpg Fwd Gen Queries] (sapIgmPsnPgFwdGenQueries)	long	The value of the object sapIgmPsnPgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpGfwdGrpSpecQueries [Sap Igmp SnpG Fwd Grp Spec Queries] (saplgmpSnpGfwdGrpSpecQueries)	long	The value of the object saplgmpSnpGfwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdSrcSpecQueries [Sap Igmp SnpG Fwd Src Spec Queries] (saplgmpSnpGfwdSrcSpecQueries)	long	The value of the object saplgmpSnpGfwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SAP.
saplgmpSnpGfwdUnknownType [Sap Igmp SnpG Fwd Unknown Type] (saplgmpSnpGfwdUnknownType)	long	The value of the object saplgmpSnpGfwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SAP.
saplgmpSnpGfwdV1Reports [Sap Igmp SnpG Fwd V1 Reports] (saplgmpSnpGfwdV1Reports)	long	The value of the object saplgmpSnpGfwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SAP.
saplgmpSnpGfwdV2Leaves [Sap Igmp SnpG Fwd V2 Leaves] (saplgmpSnpGfwdV2Leaves)	long	The value of the object saplgmpSnpGfwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SAP.
saplgmpSnpGfwdV2Reports [Sap Igmp SnpG Fwd V2 Reports] (saplgmpSnpGfwdV2Reports)	long	The value of the object saplgmpSnpGfwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SAP.
saplgmpSnpGfwdV3Reports [Sap Igmp SnpG Fwd V3 Reports] (saplgmpSnpGfwdV3Reports)	long	The value of the object saplgmpSnpGfwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SAP.
saplgmpSnpGRxGenQueries [Sap Igmp SnpG Rx Gen Queries] (saplgmpSnpGRxGenQueries)	long	The value of the object saplgmpSnpGRxGenQueries indicates the number of IGMP General Queries received on this SAP.
saplgmpSnpGRxGrpSpecQueries [Sap Igmp SnpG Rx Grp Spec Queries] (saplgmpSnpGRxGrpSpecQueries)	long	The value of the object saplgmpSnpGRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
saplgmpSnpgrxSrcSpecQueries [Sap Igmp Snpgrx Src Spec Queries] (saplgmpSnpgrxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SAP.
saplgmpSnpgrxUnknownType [Sap Igmp Snpgrx Unknown Type] (saplgmpSnpgrxUnknownType)	long	The value of the object saplgmpSnpgrxUnknownType indicates the number of IGMP unknown type packets received on this SAP.
saplgmpSnpgrxV1Reports [Sap Igmp Snpgrx V1 Reports] (saplgmpSnpgrxV1Reports)	long	The value of the object saplgmpSnpgrxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
saplgmpSnpgrxV2Leaves [Sap Igmp Snpgrx V2 Leaves] (saplgmpSnpgrxV2Leaves)	long	The value of the object saplgmpSnpgrxV2Leaves indicates the number of IGMPv2 Leaves received on this SAP.
saplgmpSnpgrxV2Reports [Sap Igmp Snpgrx V2 Reports] (saplgmpSnpgrxV2Reports)	long	The value of the object saplgmpSnpgrxV2Reports indicates the number of IGMPv2 Reports received on this SAP.
saplgmpSnpgrxV3Reports [Sap Igmp Snpgrx V3 Reports] (saplgmpSnpgrxV3Reports)	long	The value of the object saplgmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
saplgmpSnpgrxTxGenQueries [Sap Igmp Snpgrx Tx Gen Queries] (saplgmpSnpgrxTxGenQueries)	long	The value of the object saplgmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this SAP.
saplgmpSnpgrxTxGrpSpecQueries [Sap Igmp Snpgrx Tx Grp Spec Queries] (saplgmpSnpgrxTxGrpSpecQueries)	long	The value of the object saplgmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SAP.
saplgmpSnpgrxTxSrcSpecQueries [Sap Igmp Snpgrx Tx Src Spec Queries] (saplgmpSnpgrxTxSrcSpecQueries)	long	The value of the object saplgmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapIgmPsnpgTxV1Reports [Sap Igmp Snpg Tx V1 Reports] (sapIgmPsnpgTxV1Reports)	long	The value of the object sapIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SAP.
sapIgmPsnpgTxV2Leaves [Sap Igmp Snpg Tx V2 Leaves] (sapIgmPsnpgTxV2Leaves)	long	The value of the object sapIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SAP.
sapIgmPsnpgTxV2Reports [Sap Igmp Snpg Tx V2 Reports] (sapIgmPsnpgTxV2Reports)	long	The value of the object sapIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SAP.
sapIgmPsnpgTxV3Reports [Sap Igmp Snpg Tx V3 Reports] (sapIgmPsnpgTxV3Reports)	long	The value of the object sapIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SAP.
<p>L2AccessInterfaceMldMvrStats MIB entry name: sapMldSnpgStatsEntry Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs. Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgMvrFromVplsCfgDrops [Sap Mld Snpg Mvr From Vpls Cfg Drops] (sapMldSnpgMvrFromVplsCfgDrops)	long	The value of the object sapMldSnpgMvrFromVplsCfgDrops indicates the number of times an MLD group or Query is dropped because of applying the sapMldSnpgCfgMvrFromVplsId configuration on this SAP.
sapMldSnpgMvrToSapCfgDrops [Sap Mld Snpg Mvr To Sap Cfg Drops] (sapMldSnpgMvrToSapCfgDrops)	long	The value of the object sapMldSnpgMvrToSapCfgDrops indicates the number times an MLD Report or Query is dropped because of applying the sapMldSnpgCfgMvrToSapPortId and sapMldSnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L2AccessInterfaceMldSnpgErrorStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statistics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgImportPolicyDrops [Sap Mld Snpg Import Policy Drops] (sapMldSnpgImportPolicyDrops)	long	The value of the object sapMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SAP.
sapMldSnpgMaxNumGroupsDrops [Sap Mld Snpg Max Num Groups Drops] (sapMldSnpgMaxNumGroupsDrops)	long	The value of the object sapMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SAP.
sapMldSnpgMcsFailures [Sap Mld Snpg Mcs Failures] (sapMldSnpgMcsFailures)	long	The value of the object sapMldSnpgMcsFailures indicates the number of times an MLD group on this SAP could not be synced to the MCS (multi-chassis synchronization) database.
sapMldSnpgRxBadEncodedPkts [Sap Mld Snpg Rx Bad Encoded Pkts] (sapMldSnpgRxBadEncodedPkts)	long	The value of the object sapMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SAP because of a bad encoding.
sapMldSnpgRxBadLenPkts [Sap Mld Snpg Rx Bad Len Pkts] (sapMldSnpgRxBadLenPkts)	long	The value of the object sapMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SAP because of a bad length.
sapMldSnpgRxBadMldChksmPkts [Sap Mld Snpg Rx Bad Mld Chksm Pkts] (sapMldSnpgRxBadMldChksmPkts)	long	The value of the object sapMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SAP because of a bad MLD header checksum.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxNoRtrAlertPkts [Sap Mld Snpg Rx No Rtr Alert Pkts] (sapMldSnpgRxNoRtrAlertPkts)	long	The value of the object sapMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SAP because the Router Alert Option in the IP packet is not set.
sapMldSnpgRxWrongVersionPkts [Sap Mld Snpg Rx Wrong Version Pkts] (sapMldSnpgRxWrongVersionPkts)	long	The value of the object sapMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SAP.
sapMldSnpgRxZeroSrcAdrPkts [Sap Mld Snpg Rx Zero Src Adr Pkts] (sapMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sapMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SAP because they contain a zero source IPv6 address.
sapMldSnpgSendQueryCfgDrops [Sap Mld Snpg Send Query Cfg Drops] (sapMldSnpgSendQueryCfgDrops)	long	The value of the object sapMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sapMldSnpgCfgSendQueries for this SAP is set to 'inService(2)'.
<p>L2AccessInterfaceMldSnpgStats</p> <p>MIB entry name: sapMldSnpgStatsEntry</p> <p>Entry description: sapMldSnpgStatsEntry is an entry in the sapMldSnpgStatsTable. Each entry contains MLD snooping statics for a SAP in a TIs.</p> <p>Table description (for sapMldSnpgStatsTable): sapMldSnpgStatsTable contains statistics on MLD snooping per SAP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.AbstractL2AccessInterface</p>		
sapMldSnpgFwdGenQueries [Sap Mld Snpg Fwd Gen Queries] (sapMldSnpgFwdGenQueries)	long	The value of the object sapMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SAP.
sapMldSnpgFwdGrpSpecQueries [Sap Mld Snpg Fwd Grp Spec Queries] (sapMldSnpgFwdGrpSpecQueries)	long	The value of the object sapMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgFwdSrcSpecQueries [Sap Mld Snpg Fwd Src Spec Queries] (sapMldSnpgFwdSrcSpecQueries)	long	The value of the object sapMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SAP.
sapMldSnpgFwdUnknownType [Sap Mld Snpg Fwd Unknown Type] (sapMldSnpgFwdUnknownType)	long	The value of the object sapMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SAP.
sapMldSnpgFwdV1Leaves [Sap Mld Snpg Fwd V1 Leaves] (sapMldSnpgFwdV1Leaves)	long	The value of the object sapMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SAP.
sapMldSnpgFwdV1Reports [Sap Mld Snpg Fwd V1 Reports] (sapMldSnpgFwdV1Reports)	long	The value of the object sapMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SAP.
sapMldSnpgFwdV2Reports [Sap Mld Snpg Fwd V2 Reports] (sapMldSnpgFwdV2Reports)	long	The value of the object sapMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SAP.
sapMldSnpgRxGenQueries [Sap Mld Snpg Rx Gen Queries] (sapMldSnpgRxGenQueries)	long	The value of the object sapMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SAP.
sapMldSnpgRxGrpSpecQueries [Sap Mld Snpg Rx Grp Spec Queries] (sapMldSnpgRxGrpSpecQueries)	long	The value of the object sapMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SAP.
sapMldSnpgRxLocalScopePkts [Sap Mld Snpg Rx Local Scope Pkts] (sapMldSnpgRxLocalScopePkts)	long	The value of the object sapMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sapMldSnpgRxRsvdScopePkts [Sap Mld Snpg Rx Rsvd Scope Pkts] (sapMldSnpgRxRsvdScopePkts)	long	The value of the object sapMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgRxSrcSpecQueries [Sap Mld Snpg Rx Src Spec Queries] (sapMldSnpgRxSrcSpecQueries)	long	The value of the object sapMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SAP.
sapMldSnpgRxUnknownType [Sap Mld Snpg Rx Unknown Type] (sapMldSnpgRxUnknownType)	long	The value of the object sapMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SAP.
sapMldSnpgRxV1Leaves [Sap Mld Snpg Rx V1 Leaves] (sapMldSnpgRxV1Leaves)	long	The value of the object sapMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SAP.
sapMldSnpgRxV1Reports [Sap Mld Snpg Rx V1 Reports] (sapMldSnpgRxV1Reports)	long	The value of the object sapMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SAP.
sapMldSnpgRxV2Reports [Sap Mld Snpg Rx V2 Reports] (sapMldSnpgRxV2Reports)	long	The value of the object sapMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SAP.
sapMldSnpgTxGenQueries [Sap Mld Snpg Tx Gen Queries] (sapMldSnpgTxGenQueries)	long	The value of the object sapMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SAP.
sapMldSnpgTxGrpSpecQueries [Sap Mld Snpg Tx Grp Spec Queries] (sapMldSnpgTxGrpSpecQueries)	long	The value of the object sapMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SAP.
sapMldSnpgTxSrcSpecQueries [Sap Mld Snpg Tx Src Spec Queries] (sapMldSnpgTxSrcSpecQueries)	long	The value of the object sapMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SAP.
sapMldSnpgTxV1Leaves [Sap Mld Snpg Tx V1 Leaves] (sapMldSnpgTxV1Leaves)	long	The value of the object sapMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapMldSnpgTxV1Reports [Sap Mld Snpg Tx V1 Reports] (sapMldSnpgTxV1Reports)	long	The value of the object sapMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SAP.
sapMldSnpgTxV2Reports [Sap Mld Snpg Tx V2 Reports] (sapMldSnpgTxV2Reports)	long	The value of the object sapMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SAP.
<p>L2AccessInterfaceMvrStats MIB entry name: saplgmpSnpgStatsEntry Entry description: saplgmpSnpgStatsEntry is an entry in the saplgmpSnpgStatsTable. Each entry contains IGMP snooping statistics for a SAP in a TIs. Table description (for saplgmpSnpgStatsTable): saplgmpSnpgStatsTable contains statistics on IGMP snooping per SAP. Supports realtime plotting Supports scheduled collection Monitored class: vpls.AbstractL2AccessInterface</p>		
saplgmpSnpgMvrFromVplsCfgDrops [Sap Igmp Snpg Mvr From Vpls Cfg Drops] (saplgmpSnpgMvrFromVplsCfgDrops)	long	The value of the object saplgmpSnpgMvrFromVplsCfgDrops indicates the number of times an IGMP Group or Query is dropped because of applying the saplgmpSnpgCfgMvrFromVplsId configuration on this SAP.
saplgmpSnpgMvrToSapCfgDrops [Sap Igmp Snpg Mvr To Sap Cfg Drops] (saplgmpSnpgMvrToSapCfgDrops)	long	The value of the object saplgmpSnpgMvrToSapCfgDrops indicates the number times an IGMP Report or Query is dropped because of applying the saplgmpSnpgCfgMvrToSapPortId and saplgmpSnpgCfgMvrToSapEncapVal configuration on this SAP.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SdpBindingMldSnpgErrorStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		
sdpBndMldSnpgImportPolicyDrops [Sdp Bnd Mld Snpg Import Policy Drops] (sdpBndMldSnpgImportPolicyDrops)	long	The value of the object sdpBndMldSnpgImportPolicyDrops indicates the number of times an MLD group or source is dropped because of applying an import policy on this SDP Bind.
sdpBndMldSnpgMaxNumGroupsDrops [Sdp Bnd Mld Snpg Max Num Groups Drops] (sdpBndMldSnpgMaxNumGroupsDrops)	long	The value of the object sdpBndMldSnpgMaxNumGroupsDrops indicates the number of times an MLD group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.
sdpBndMldSnpgRxBadEncodedPkts [Sdp Bnd Mld Snpg Rx Bad Encoded Pkts] (sdpBndMldSnpgRxBadEncodedPkts)	long	The value of the object sdpBndMldSnpgRxBadEncodedPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad encoding.
sdpBndMldSnpgRxBadLenPkts [Sdp Bnd Mld Snpg Rx Bad Len Pkts] (sdpBndMldSnpgRxBadLenPkts)	long	The value of the object sdpBndMldSnpgRxBadLenPkts indicates the number of MLD packets dropped on this SDP Bind because of a bad length.
sdpBndMldSnpgRxBadMldChksmPkts [Sdp Bnd Mld Snpg Rx Bad Mld Chksm Pkts] (sdpBndMldSnpgRxBadMldChksmPkts)	long	The value of the object sdpBndMldSnpgRxBadMldChksmPkts indicates the number of dropped MLD packets on this SDP Bind because of a bad MLD header checksum.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxLocalScopePkts [Sdp Bnd Mld Snpg Rx Local Scope Pkts] (sdpBndMldSnpgRxLocalScopePkts)	long	The value of the object sdpBndMldSnpgRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
sdpBndMldSnpgRxNoRtrAlertPkts [Sdp Bnd Mld Snpg Rx No Rtr Alert Pkts] (sdpBndMldSnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndMldSnpgRxNoRtrAlertPkts indicates the number of MLD packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.
sdpBndMldSnpgRxRsvdScopePkts [Sdp Bnd Mld Snpg Rx Rsvd Scope Pkts] (sdpBndMldSnpgRxRsvdScopePkts)	long	The value of the object sdpBndMldSnpgRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
sdpBndMldSnpgRxWrongVersionPkts [Sdp Bnd Mld Snpg Rx Wrong Version Pkts] (sdpBndMldSnpgRxWrongVersionPkts)	long	The value of the object sdpBndMldSnpgRxWrongVersionPkts indicates the total number of MLD packets with a wrong version received on this SDP Bind.
sdpBndMldSnpgRxZeroSrcAdrPkts [Sdp Bnd Mld Snpg Rx Zero Src Adr Pkts] (sdpBndMldSnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndMldSnpgRxZeroSrcAdrPkts indicates the number of MLD packets dropped on this SDP Bind because they contain a zero source IPv6 address.
sdpBndMldSnpgSendQueryCfgDrops [Sdp Bnd Mld Snpg Send Query Cfg Drops] (sdpBndMldSnpgSendQueryCfgDrops)	long	The value of the object sdpBndMldSnpgSendQueryCfgDrops indicates the number of times an MLD Query is dropped because the object sdpBndMldSnpgCfgSendQueries for this SDP Bind is set to 'inService(2)'.
<p>SdpBindingMldSnpgStats</p> <p>MIB entry name: sdpBindMldSnpgStatsEntry</p> <p>Entry description: sdpBindMldSnpgStatsEntry is an entry in the sdpBindMldSnpgStatsTable. Each entry contains MLD snooping statics for a SDP Bind in a TIs.</p> <p>Table description (for sdpBindMldSnpgStatsTable): sdpBindMldSnpgStatsTable contains statistics on MLD snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.SdpBindingMldSnpgCfg</p>		

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgFwdGenQueries [Sdp Bnd Mld Snpg Fwd Gen Queries] (sdpBndMldSnpgFwdGenQueries)	long	The value of the object sdpBndMldSnpgFwdGenQueries indicates the number of MLD General Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdGrpSpecQueries [Sdp Bnd Mld Snpg Fwd Grp Spec Queries] (sdpBndMldSnpgFwdGrpSpecQueries)	long	The value of the object sdpBndMldSnpgFwdGrpSpecQueries indicates the number of MLD Group-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdSrcSpecQueries [Sdp Bnd Mld Snpg Fwd Src Spec Queries] (sdpBndMldSnpgFwdSrcSpecQueries)	long	The value of the object sdpBndMldSnpgFwdSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndMldSnpgFwdUnknownType [Sdp Bnd Mld Snpg Fwd Unknown Type] (sdpBndMldSnpgFwdUnknownType)	long	The value of the object sdpBndMldSnpgFwdUnknownType indicates the number of MLD unknown type packets forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Leaves [Sdp Bnd Mld Snpg Fwd V1 Leaves] (sdpBndMldSnpgFwdV1Leaves)	long	The value of the object sdpBndMldSnpgFwdV1Leaves indicates the number of MLDv1 Leaves forwarded on this SDP Bind.
sdpBndMldSnpgFwdV1Reports [Sdp Bnd Mld Snpg Fwd V1 Reports] (sdpBndMldSnpgFwdV1Reports)	long	The value of the object sdpBndMldSnpgFwdV1Reports indicates the number of MLDv1 Reports forwarded on this SDP Bind.
sdpBndMldSnpgFwdV2Reports [Sdp Bnd Mld Snpg Fwd V2 Reports] (sdpBndMldSnpgFwdV2Reports)	long	The value of the object sdpBndMldSnpgFwdV2Reports indicates the number of MLDv2 Reports forwarded on this SDP Bind.
sdpBndMldSnpgRxGenQueries [Sdp Bnd Mld Snpg Rx Gen Queries] (sdpBndMldSnpgRxGenQueries)	long	The value of the object sdpBndMldSnpgRxGenQueries indicates the number of MLD General Queries received on this SDP Bind.
sdpBndMldSnpgRxGrpSpecQueries [Sdp Bnd Mld Snpg Rx Grp Spec Queries] (sdpBndMldSnpgRxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgRxGrpSpecQueries indicates the number of MLD Group-Specific Queries received on this SDP Bind.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgRxSrcSpecQueries [Sdp Bnd Mld Snpg Rx Src Spec Queries] (sdpBndMldSnpgRxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgRxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndMldSnpgRxUnknownType [Sdp Bnd Mld Snpg Rx Unknown Type] (sdpBndMldSnpgRxUnknownType)	long	The value of the object sdpBndMldSnpgRxUnknownType indicates the number of MLD unknown type packets received on this SDP Bind.
sdpBndMldSnpgRxV1Leaves [Sdp Bnd Mld Snpg Rx V1 Leaves] (sdpBndMldSnpgRxV1Leaves)	long	The value of the object sdpBndMldSnpgRxV1Leaves indicates the number of MLDv1 Leaves received on this SDP Bind.
sdpBndMldSnpgRxV1Reports [Sdp Bnd Mld Snpg Rx V1 Reports] (sdpBndMldSnpgRxV1Reports)	long	The value of the object sdpBndMldSnpgRxV1Reports indicates the number of MLDv1 Reports received on this SDP Bind.
sdpBndMldSnpgRxV2Reports [Sdp Bnd Mld Snpg Rx V2 Reports] (sdpBndMldSnpgRxV2Reports)	long	The value of the object sdpBndMldSnpgRxV2Reports indicates the number of MLDv2 Reports received on this SDP Bind.
sdpBndMldSnpgTxGenQueries [Sdp Bnd Mld Snpg Tx Gen Queries] (sdpBndMldSnpgTxGenQueries)	long	The value of the object sdpBndMldSnpgTxGenQueries indicates the number of MLD General Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxGrpSpecQueries [Sdp Bnd Mld Snpg Tx Grp Spec Queries] (sdpBndMldSnpgTxGrpSpecQueries)	long	The value of the object sdpBndMldSnpgTxGrpSpecQueries indicates the number of MLD Group-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxSrcSpecQueries [Sdp Bnd Mld Snpg Tx Src Spec Queries] (sdpBndMldSnpgTxSrcSpecQueries)	long	The value of the object sdpBndMldSnpgTxSrcSpecQueries indicates the number of MLD Group-And-Source-Specific Queries transmitted on this SDP Bind.
sdpBndMldSnpgTxV1Leaves [Sdp Bnd Mld Snpg Tx V1 Leaves] (sdpBndMldSnpgTxV1Leaves)	long	The value of the object sdpBndMldSnpgTxV1Leaves indicates the number of MLDv1 Leaves transmitted on this SDP Bind.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndMldSnpgTxV1Reports [Sdp Bnd Mld Snpg Tx V1 Reports] (sdpBndMldSnpgTxV1Reports)	long	The value of the object sdpBndMldSnpgTxV1Reports indicates the number of MLDv1 Reports transmitted on this SDP Bind.
sdpBndMldSnpgTxV2Reports [Sdp Bnd Mld Snpg Tx V2 Reports] (sdpBndMldSnpgTxV2Reports)	long	The value of the object sdpBndMldSnpgTxV2Reports indicates the number of MLDv2 Reports transmitted on this SDP Bind.
<p>SitePimSnoopingStats MIB entry name: tmnxPimSnpgGenStatsEntry Entry description: An entry in the tmnxPimSnpgGenStatsTable. Table description (for tmnxPimSnpgGenStatsTable): tmnxPimSnpgGenStatsTable lists PIM snooping statistics for a particular PIM snooping instance. Supports realtime plotting Supports scheduled collection Monitored class: vpls.SitePimSnooping</p>		
numSGTypes [Num SGTypes] (tmnxPimSnpgGenStatsSGTypes)	long	The value of tmnxPimSnpgGenStatsSGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'sg'.
numStarGTypes [Num Star GTypes] (tmnxPimSnpgGenStatsStarGTypes)	long	The value of tmnxPimSnpgGenStatsStarGTypes indicates the number of entries in tmnxPimSnpgGrpSrcTable for which the source type is 'starG'.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteSourceGroupRecordPimSnoopingStats</p> <p>MIB entry name: tmnxPimSnpgGrpSrcStatsEntry</p> <p>Entry description: An entry in the tmnxPimSnpgGrpSrcStatsTable.</p> <p>Table description (for tmnxPimSnpgGrpSrcStatsTable): tmnxPimSnpgGrpSrcStatsTable contains statistics for the entries in the tmnxPimSnpgGrpSrcTable. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • vpls.SitePimSnooping • vpls.SiteSourceGroupRecord 		
tmnxPimSnpgGrpSrcStatsFwdedOct [Tmnx Pim Snpg Grp Src Stats Fwded Oct] (tmnxPimSnpgGrpSrcStatsFwdedOct)	long	The value of tmnxPimSnpgGrpSrcStatsFwdedOct indicates the number of multicast octets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpgGrpSrcClfTable lists all the interfaces in the outgoing interface list.
tmnxPimSnpgGrpSrcStatsFwdedPkts [Tmnx Pim Snpg Grp Src Stats Fwded Pkts] (tmnxPimSnpgGrpSrcStatsFwdedPkts)	long	The value of tmnxPimSnpgGrpSrcStatsFwdedPkts indicates the number of multicast packets that were forwarded to the interfaces in the outgoing interface list. tmnxPimSnpgGrpSrcClfTable lists all the interfaces in the outgoing interface list.
<p>VxlanIcmpSnpgErrorStats</p> <p>MIB entry name: vxlanIcmpSnpgStatsEntry</p> <p>Entry description: vxlanIcmpSnpgStatsEntry is an entry in the vxlanIcmpSnpgStatsTable. Each entry contains IGMP snooping statics for a VXLAN in a TIs.</p> <p>Table description (for vxlanIcmpSnpgStatsTable): vxlanIcmpSnpgStatsTable contains statistics on IGMP snooping per VXLAN.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.Site</p>		
vxlanIcmpSnpgImportPolicyDrops [Vxlan Icmp Snpg Import Policy Drops] (vxlanIcmpSnpgImportPolicyDrops)	long	The value of the object vxlanIcmpSnpgImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this VXLAN.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpGMaxNumGroupsDrops [Vxlan Igmp SnpG Max Num Groups Drops] (vxlanIgmpSnpGMaxNumGroupsDrops)	long	The value of the object vxlanIgmpSnpGMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this VXLAN.
vxlanIgmpSnpGMaxNumGrpSrcsDrops [Vxlan Igmp SnpG Max Num Grp Srcs Drops] (vxlanIgmpSnpGMaxNumGrpSrcsDrops)	long	The value of the object vxlanIgmpSnpGMaxNumGrpSrcsDrops indicates the number of times an IGMP Group Source is dropped because of exceeding the configured maximum number of group sources per group on this VXLAN.
vxlanIgmpSnpGMaxNumSourcesDrops [Vxlan Igmp SnpG Max Num Sources Drops] (vxlanIgmpSnpGMaxNumSourcesDrops)	long	The value of the object vxlanIgmpSnpGMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this VXLAN.
vxlanIgmpSnpGMcacPolicyDrops [Vxlan Igmp SnpG Mcac Policy Drops] (vxlanIgmpSnpGMcacPolicyDrops)	long	The value of the object vxlanIgmpSnpGMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this VXLAN.
vxlanIgmpSnpGMcsFailures [Vxlan Igmp SnpG Mcs Failures] (vxlanIgmpSnpGMcsFailures)	long	The value of the object vxlanIgmpSnpGMcsFailures indicates the number of times an IGMP Group on this VXLAN could not be synced to the MCS (multi-chassis synchronization) database.
vxlanIgmpSnpGRxBadEncodedPkts [Vxlan Igmp SnpG Rx Bad Encoded Pkts] (vxlanIgmpSnpGRxBadEncodedPkts)	long	The value of the object vxlanIgmpSnpGRxBadEncodedPkts indicates the number of IGMP packets dropped on this VXLAN because of a bad encoding.
vxlanIgmpSnpGRxBadIgmpChkSmPkts [Vxlan Igmp SnpG Rx Bad Igmp ChkSm Pkts] (vxlanIgmpSnpGRxBadIgmpChkSmPkts)	long	The value of the object vxlanIgmpSnpGRxBadIgmpChkSmPkts indicates the number of dropped IGMP packets on this VXLAN because of a bad IGMP header checksum.
vxlanIgmpSnpGRxBadIpChkSmPkts [Vxlan Igmp SnpG Rx Bad Ip ChkSm Pkts] (vxlanIgmpSnpGRxBadIpChkSmPkts)	long	The value of the object vxlanIgmpSnpGRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this VXLAN because of a bad IPv4 header checksum.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpgrxBadLenPkts [Vxlan Igmp SnpgrxBadLenPkts] (vxlanIgmpSnpgrxBadLenPkts)	long	The value of the object vxlanIgmpSnpgrxBadLenPkts indicates the number of IGMP packets dropped on this VXLAN because of a bad length.
vxlanIgmpSnpgrxLocalScopePkts [Vxlan Igmp SnpgrxLocalScopePkts] (vxlanIgmpSnpgrxLocalScopePkts)	long	The value of the object vxlanIgmpSnpgrxLocalScopePkts indicates the number of IGMP packets received on the link-local scope IPv6 multicast address.
vxlanIgmpSnpgrxNoRtrAlertPkts [Vxlan Igmp SnpgrxNoRtrAlertPkts] (vxlanIgmpSnpgrxNoRtrAlertPkts)	long	The value of the object vxlanIgmpSnpgrxNoRtrAlertPkts indicates the number of IGMP packets dropped on this VXLAN because the Router Alert Option in the IP packet is not set.
vxlanIgmpSnpgrxRsvdScopePkts [Vxlan Igmp SnpgrxRsvdScopePkts] (vxlanIgmpSnpgrxRsvdScopePkts)	long	The value of the object vxlanIgmpSnpgrxRsvdScopePkts indicates the number of IGMP packets received on the reserved scope IPv6 multicast address.
vxlanIgmpSnpgrxWrongVersionPkts [Vxlan Igmp SnpgrxWrongVersionPkts] (vxlanIgmpSnpgrxWrongVersionPkts)	long	The value of the object vxlanIgmpSnpgrxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this VXLAN.
vxlanIgmpSnpgrxZeroSrcAdrPkts [Vxlan Igmp SnpgrxZeroSrcAdrPkts] (vxlanIgmpSnpgrxZeroSrcAdrPkts)	long	The value of the object vxlanIgmpSnpgrxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this VXLAN because they contain a zero source IPv4 address.
vxlanIgmpSnpgrSendQueryCfgDrops [Vxlan Igmp SnpgrSendQueryCfgDrops] (vxlanIgmpSnpgrSendQueryCfgDrops)	long	The value of the object vxlanIgmpSnpgrSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object saplgmpSnpgrCfgSendQueries for this VXLAN is set to 'enabled(1)'.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VxlanIcmpSnpgStats</p> <p>MIB entry name: vxlanIcmpSnpgStatsEntry</p> <p>Entry description: vxlanIcmpSnpgStatsEntry is an entry in the vxlanIcmpSnpgStatsTable. Each entry contains IGMP snooping statistics for a VXLAN in a TIs.</p> <p>Table description (for vxlanIcmpSnpgStatsTable): vxlanIcmpSnpgStatsTable contains statistics on IGMP snooping per VXLAN.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vpls.Site</p>		
vxlanIcmpSnpgFwdGenQueries [Vxlan Icmp Snpg Fwd Gen Queries] (vxlanIcmpSnpgFwdGenQueries)	long	The value of the object vxlanIcmpSnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this VXLAN.
vxlanIcmpSnpgFwdGrpSpecQueries [Vxlan Icmp Snpg Fwd Grp Spec Queries] (vxlanIcmpSnpgFwdGrpSpecQueries)	long	The value of the object vxlanIcmpSnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this VXLAN.
vxlanIcmpSnpgFwdSrcSpecQueries [Vxlan Icmp Snpg Fwd Src Spec Queries] (vxlanIcmpSnpgFwdSrcSpecQueries)	long	The value of the object vxlanIcmpSnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this VXLAN.
vxlanIcmpSnpgFwdUnknownType [Vxlan Icmp Snpg Fwd Unknown Type] (vxlanIcmpSnpgFwdUnknownType)	long	The value of the object vxlanIcmpSnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this VXLAN.
vxlanIcmpSnpgFwdV1Reports [Vxlan Icmp Snpg Fwd V1 Reports] (vxlanIcmpSnpgFwdV1Reports)	long	The value of the object vxlanIcmpSnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this VXLAN.
vxlanIcmpSnpgFwdV2Leaves [Vxlan Icmp Snpg Fwd V2 Leaves] (vxlanIcmpSnpgFwdV2Leaves)	long	The value of the object vxlanIcmpSnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this VXLAN.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIgmpSnpgFwdV2Reports [Vxlan Igmp Snpg Fwd V2 Reports] (vxlanIgmpSnpgFwdV2Reports)	long	The value of the object vxlanIgmpSnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this VXLAN.
vxlanIgmpSnpgFwdV3Reports [Vxlan Igmp Snpg Fwd V3 Reports] (vxlanIgmpSnpgFwdV3Reports)	long	The value of the object vxlanIgmpSnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this VXLAN.
vxlanIgmpSnpgRxGenQueries [Vxlan Igmp Snpg Rx Gen Queries] (vxlanIgmpSnpgRxGenQueries)	long	The value of the object vxlanIgmpSnpgRxGenQueries indicates the number of IGMP General Queries received on this VXLAN.
vxlanIgmpSnpgRxGrpSpecQueries [Vxlan Igmp Snpg Rx Grp Spec Queries] (vxlanIgmpSnpgRxGrpSpecQueries)	long	The value of the object vxlanIgmpSnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this VXLAN.
vxlanIgmpSnpgRxSrcSpecQueries [Vxlan Igmp Snpg Rx Src Spec Queries] (vxlanIgmpSnpgRxSrcSpecQueries)	long	The value of the object vxlanIgmpSnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this VXLAN.
vxlanIgmpSnpgRxUnknownType [Vxlan Igmp Snpg Rx Unknown Type] (vxlanIgmpSnpgRxUnknownType)	long	The value of the object vxlanIgmpSnpgRxUnknownType indicates the number of IGMP unknown type packets received on this VXLAN.
vxlanIgmpSnpgRxV1Reports [Vxlan Igmp Snpg Rx V1 Reports] (vxlanIgmpSnpgRxV1Reports)	long	The value of the object vxlanIgmpSnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SAP.
vxlanIgmpSnpgRxV2Leaves [Vxlan Igmp Snpg Rx V2 Leaves] (vxlanIgmpSnpgRxV2Leaves)	long	The value of the object vxlanIgmpSnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this VXLAN.
vxlanIgmpSnpgRxV2Reports [Vxlan Igmp Snpg Rx V2 Reports] (vxlanIgmpSnpgRxV2Reports)	long	The value of the object vxlanIgmpSnpgRxV2Reports indicates the number of IGMPv2 Reports received on this VXLAN.

Table 674 vpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vxlanIcmpSnpgrxV3Reports [Vxlan Icmp Snpgrx V3 Reports] (vxlanIcmpSnpgrxV3Reports)	long	The value of the object vxlanIcmpSnpgrxV3Reports indicates the number of IGMPv3 Reports received on this SAP.
vxlanIcmpSnpgrxTxGenQueries [Vxlan Icmp Snpgrx Tx Gen Queries] (vxlanIcmpSnpgrxTxGenQueries)	long	The value of the object vxlanIcmpSnpgrxTxGenQueries indicates the number of IGMP General Queries transmitted on this VXLAN.
vxlanIcmpSnpgrxTxGrpSpecQueries [Vxlan Icmp Snpgrx Tx Grp Spec Queries] (vxlanIcmpSnpgrxTxGrpSpecQueries)	long	The value of the object vxlanIcmpSnpgrxTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this VXLAN.
vxlanIcmpSnpgrxTxSrcSpecQueries [Vxlan Icmp Snpgrx Tx Src Spec Queries] (vxlanIcmpSnpgrxTxSrcSpecQueries)	long	The value of the object vxlanIcmpSnpgrxTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this VXLAN.
vxlanIcmpSnpgrxTxV1Reports [Vxlan Icmp Snpgrx Tx V1 Reports] (vxlanIcmpSnpgrxTxV1Reports)	long	The value of the object vxlanIcmpSnpgrxTxV1Reports indicates the number of IGMPv1 Reports transmitted on this VXLAN.
vxlanIcmpSnpgrxTxV2Leaves [Vxlan Icmp Snpgrx Tx V2 Leaves] (vxlanIcmpSnpgrxTxV2Leaves)	long	The value of the object vxlanIcmpSnpgrxTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this VXLAN.
vxlanIcmpSnpgrxTxV2Reports [Vxlan Icmp Snpgrx Tx V2 Reports] (vxlanIcmpSnpgrxTxV2Reports)	long	The value of the object vxlanIcmpSnpgrxTxV2Reports indicates the number of IGMPv2 Reports transmitted on this VXLAN.
vxlanIcmpSnpgrxTxV3Reports [Vxlan Icmp Snpgrx Tx V3 Reports] (vxlanIcmpSnpgrxTxV3Reports)	long	The value of the object vxlanIcmpSnpgrxTxV3Reports indicates the number of IGMPv3 Reports transmitted on this VXLAN.

Table 675 vrrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceAdditionalStats</p> <p>MIB entry name: tmnxVrrpRouterStatsEntry</p> <p>Entry description: Each row entry in the tmnxVrrpRouterStatsTable represents additional columns in the vrrpRouterStatsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tmnxVrrpRouterStatsTable): The tmnxVrrpRouterStatsTable provides an extension of the vrrpRouterStatsTable in the VRRP-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatsTable, and the augmenting table, tmnxVrrpRouterStatsTable. This in effect extends the vrrpRouterStatsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.Instance</p>		
addressListDiscards [Address List Discards] (tmnxVrrpStatsAddressListDiscards)	long	The total number of VRRP advertisement packets discarded because the address list did not match the locally configured list for the virtual router.
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxVrrpStatsAdvertiseIntervalDiscards)	long	The total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tmnxVrrpStatsAdvertiseSent)	long	The total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tmnxVrrpStatsMasterChanges)	long	The value for tmnxVrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxVrrpStatsPreemptEvents)	long	The value for tmnxVrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.

Table 675 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
preemptedEvents [Preempted Events] (tmnxVrrpStatsPreemptedEvents)	long	The value for tmnxVrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
totalDiscards [Total Discards] (tmnxVrrpStatsTotalDiscards)	long	The total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
<p>InstanceStats MIB entry name: vrrpRouterStatsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.Instance</p>		
addressListErrors [Address List Errors] (vrrpStatsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatsAdvertiseIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (vrrpStatsAdvertiseRcvd)	long	The total number of VRRP advertisements received by this virtual router.
authFailures [Auth Failures] (vrrpStatsAuthFailures)	long	The total number of VRRP packets received that do not pass the authentication check.

Table 675 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
authTypeMismatch [Auth Type Mismatch] (vrrpStatsAuthTypeMismatch)	long	The total number of packets received with 'Auth Type' not equal to the locally configured authentication method ('vrrpOperAuthType').
becomeMaster [Become Master] (vrrpStatsBecomeMaster)	long	The total number of times that this virtual router's state has transitioned to MASTER.
invalidAuthType [Invalid Auth Type] (vrrpStatsInvalidAuthType)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatsInvalidTypePktsRcvd)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field.
ipTtlErrors [Ip Ttl Errors] (vrrpStatsIpTtlErrors)	long	The total number of VRRP packets received by the virtual router with IP TTL (Time-To-Live) not equal to 255.
packetLengthErrors [Packet Length Errors] (vrrpStatsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatsPriorityZeroPktsRcvd)	long	The total number of VRRP packets received by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatsPriorityZeroPktsSent)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'.

Table 675 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceV6AdditionalStats</p> <p>MIB entry name: tVrrpRtrStatisticsEntry</p> <p>Entry description: Each row entry in the tVrrpRtrStatisticsTable represents additional columns in the vrrpRouterStatisticsTable for statistics specific to the Nokia SROS series VRRP implementation.</p> <p>Table description (for tVrrpRtrStatisticsTable): The tVrrpRtrStatisticsTable provides an extension of the vrrpRouterStatisticsTable in the TIMETRA-VRRP-V3-MIB. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vrrpRouterStatisticsTable, and the augmenting table, tVrrpRtrStatisticsTable. This in effect extends the vrrpRouterStatisticsTable with additional columns.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: vrrp.InstanceV6</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tVrrpStatAdvIntvlDiscards)	long	The value of tVrrpStatAdvIntvlDiscards indicates the total number of VRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseSent [Advertise Sent] (tVrrpStatAdvertiseSent)	long	The value of tVrrpStatAdvertiseSent indicates the total number of VRRP advertisements sent by this virtual router.
masterChanges [Master Changes] (tVrrpStatMasterChanges)	long	The value for tVrrpStatMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tVrrpStatPreemptEvents)	long	The value for tVrrpStatPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tVrrpStatPreemptedEvents)	long	The value for tVrrpStatPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.

Table 675 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalDiscards [Total Discards] (tVrrpStatTotalDiscards)	long	The value of tVrrpStatTotalDiscards indicates the total number of VRRP advertisement packets discarded for any reason. This includes the packets discarded due to advertise interval mismatch and address list mismatch.
InstanceV6Stats MIB entry name: vrrpRouterStatisticsEntry Entry description: An entry in the table, containing statistics information about a given virtual router. Table description (for vrrpRouterStatisticsTable): Table of virtual router statistics. Supports realtime plotting Supports scheduled collection Monitored class: vrrp.InstanceV6		
addressListErrors [Address List Errors] (vrrpStatisticsAddressListErrors)	long	The total number of packets received for which the address list does not match the locally configured list for the virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseIntervalErrors [Advertise Interval Errors] (vrrpStatisticsAdvIntervalErrors)	long	The total number of VRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
advertiseRcvd [Advertise Rcvd] (vrrpStatisticsRcvdAdvertisements)	long	The total number of VRRP advertisements received by this virtual router. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 675 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeMaster [Become Master] (vrrpStatisticsMasterTransitions)	long	The total number of times that this virtual router's state has transitioned to MASTER. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
invalidAuthType [Invalid Auth Type] (vrrpStatisticsRcvdInvalidAuthentications)	long	The total number of packets received with an unknown authentication type.
invalidTypePktsRcvd [Invalid Type Pkts Rcvd] (vrrpStatisticsRcvdInvalidTypePkts)	long	The number of VRRP packets received by the virtual router with an invalid value in the 'type' field. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
ipTtlErrors [Ip Ttl Errors] (vrrpStatisticsIpTtlErrors)	long	The total number of VRRP packets received by the Virtual router with IPv4 TTL (for VRRP over IPv4) or IPv6 Hop Limit (for VRRP over IPv6) not equal to 255. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
packetLengthErrors [Packet Length Errors] (vrrpStatisticsPacketLengthErrors)	long	The total number of packets received with a packet length less than the length of the VRRP header. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (vrrpStatisticsRcvdPriZeroPackets)	long	The total number of VRRP packets received by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

Table 675 vrrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
priorityZeroPktsSent [Priority Zero Pkts Sent] (vrrpStatisticsSentPriZeroPackets)	long	The total number of VRRP packets sent by the virtual router with a priority of '0'. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of vrrpStatisticsDiscontinuityTime.

33 9500 MPR performance statistics counters

33.1 Performance statistics counters

33.1.1 Counters

Table 676 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AggrMaintRxStats</p> <p>MIB entry name: ethAggrMaintRxEntry</p> <p>Entry description: An entry of received aggregates maintenance counters table.</p> <p>Table description (for ethAggrMaintRxTable): This table contains received aggregates maintenance counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
aggrMaintRxRetrievingTime [Aggr Maint Rx Retrieving Time] (ethAggrMaintRxRetrievingTime)	long	The NE time when counters are retrieved cause a maintenance action
aggrMaintRxTDF [Aggr Maint Rx TDF] (ethAggrMaintRxTDF)	java. math. BigInteger	Total number of Ethernet frames which where chosen to be discarded due to buffer congestion
aggrMaintRxTRCF [Aggr Maint Rx TRCF] (ethAggrMaintRxTRCF)	java. math. BigInteger	The number of Ethernet frames received correctly by the Virtual Ethernet Interface.
aggrMaintRxTRCFBroadcast [Aggr Maint Rx TRCFBroadcast] (ethAggrMaintRxTRCFBroadcast)	java. math. BigInteger	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets. This behavior is the same performed by the counter etherStatsBroadcastPkts in the IETF RMON-MIB published as RFC 2819
aggrMaintRxTRCFMulticast [Aggr Maint Rx TRCFMulticast] (ethAggrMaintRxTRCFMulticast)	java. math. BigInteger	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address. This behavior is the same performed by the counter etherStatsMulticastPkts in the IETF RMON-MIB published as RFC 2819

Table 676 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggrMaintRxTRCFUnicast [Aggr Maint Rx TRCFUnicast] (ethAggrMaintRxTRCFUnicast)	java. math. BigInteger	The number of Ethernet Unicast frames received correctly by the Virtual Ethernet Interface.
aggrMaintRxTRCO [Aggr Maint Rx TRCO] (ethAggrMaintRxTRCO)	java. math. BigInteger	The number of octets of Ethernet frames received correctly by the Virtual Ethernet Interface, including Ethernet headers characters
aggrMaintRxTRSEF [Aggr Maint Rx TRSEF] (ethAggrMaintRxTRSEF)	java. math. BigInteger	This object is the sum of three contributions dot3StatsAlignmentErrors, dot3StatsFCSErrors and dot3StatsFrameTooLongs
<p>AggrMaintTxStats</p> <p>MIB entry name: ethAggrMaintTxEntry</p> <p>Entry description: An entry of transmitted aggregate maintenance counters table.</p> <p>Table description (for ethAggrMaintTxTable): This table contains transmitted aggregates maintenance counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface • lag.Interface 		
aggrMaintCompressedTxTTO [Aggr Maint Compressed Tx TTO] (ethAggrMaintCompressedTxTTO)	java. math. BigInteger	The number of Ethernet octets at the egress of the compression module transmitted out by the Virtual Ethernet Interface
aggrMaintTxRetrievingTime [Aggr Maint Tx Retrieving Time] (ethAggrMaintTxRetrievingTime)	long	The NE time when counters are retrieved cause a maintenance action

Table 676 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggrMaintTxTDF [Aggr Maint Tx TDF] (ethAggrMaintTxTDF)	java. math. BigInteger	Total number of Ethernet frames which were chosen to be discarded due to buffer congestion
aggrMaintTxTTF [Aggr Maint Tx TTF] (ethAggrMaintTxTTF)	java. math. BigInteger	The number of Ethernet frames transmitted out by the Virtual Ethernet Interface.
aggrMaintTxTTFBroadcast [Aggr Maint Tx TTFBroadcast] (ethAggrMaintTxTTFBroadcast)	java. math. BigInteger	The number of good packets transmitted by this address that were directed to the broadcast address. This behavior is the same performed by the counter hostOutBroadcastPkts in the IETF RMON-MIB published as RFC 2819.
aggrMaintTxTTFMulticast [Aggr Maint Tx TTFMulticast] (ethAggrMaintTxTTFMulticast)	java. math. BigInteger	The number of good packets transmitted by this address that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address. This behavior is the same performed by the counter hostOutMulticastPkts in the IETF RMON-MIB published as RFC 2819.
aggrMaintTxTTFUnicast [Aggr Maint Tx TTFUnicast] (ethAggrMaintTxTTFUnicast)	java. math. BigInteger	The number of Ethernet Unicast frames transmitted out by the Virtual Ethernet Interface.
aggrMaintTxTTO [Aggr Maint Tx TTO] (ethAggrMaintTxTTO)	java. math. BigInteger	The number of octets of Ethernet frames transmitted out by the Virtual Ethernet Interface, including Ethernet headers characters

Table 677 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPduTransmitted [Lac Pdu Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPduTransmitted [Marker Pdu Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 677 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker- ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 678 mpr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IMALinkCurrentStats MIB entry name: imaLinkCurrentEntry Entry description: An entry in the IMA Link Current table. Table description (for imaLinkCurrentTable): The IMA Link Current table. Supports realtime plotting Supports scheduled collection Monitored class: mpr.IMALink		
imaLinkCurrentFeRxNumFailures [Ima Link Current Fe Rx Num Failures] (imaLinkCurrentFeRxNumFailures)	long	The number of times a far-end receive failure alarm condition has been entered on this link (i.e., Rx-Unusable-FE) in the current 15 minute interval. This is an optional attribute.
imaLinkCurrentFeRxUnusableSecs [Ima Link Current Fe Rx Unusable Secs] (imaLinkCurrentFeRxUnusableSecs)	long	Rx Unusable seconds at far-end: count of seconds with Rx Unusable indications from the far-end Rx LSM in the current 15 minute interval.
imaLinkCurrentFeSevErroredSecs [Ima Link Current Fe Sev Errored Secs] (imaLinkCurrentFeSevErroredSecs)	long	Count of one second intervals containing one or more RDI-IMA defects, except during UAS-IMA-FE condition, in the current 15 minute interval.
imaLinkCurrentFeTxNumFailures [Ima Link Current Fe Tx Num Failures] (imaLinkCurrentFeTxNumFailures)	long	The number of times a far-end transmit failure alarm condition has been entered on this link (i.e., Tx-Unusable-FE) in the current 15 minute interval. This is an optional attribute.
imaLinkCurrentFeTxUnusableSecs [Ima Link Current Fe Tx Unusable Secs] (imaLinkCurrentFeTxUnusableSecs)	long	Tx Unusable seconds at far-end: count of seconds with Tx Unusable indications from the far-end Tx LSM in the current 15 minute interval.
imaLinkCurrentFeUnavailSecs [Ima Link Current Fe Unavail Secs] (imaLinkCurrentFeUnavailSecs)	long	Count of unavailable seconds at far-end in the current 15 minute interval: unavailability begins at the onset of 10 contiguous SES-IMA-FE and ends at the onset of 10 contiguous seconds with no SES-IMA-FE.

Table 678 mpr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
imaLinkCurrentImaViolations [Ima Link Current Ima Violations] (imaLinkCurrentImaViolations)	long	ICP violations: count of errored, invalid or missing ICP cells, except during SES-IMA or UAS-IMA conditions, in the current 15 minute interval.
imaLinkCurrentNeRxNumFailures [Ima Link Current Ne Rx Num Failures] (imaLinkCurrentNeRxNumFailures)	long	The number of times a near-end receive failure alarm condition has been entered on this link (i.e., LIF, LODS, RFI-IMA, Mis-Connected, or some form of implementation specific receive fault) in the current 15 minute interval.
imaLinkCurrentNeRxUnusableSecs [Ima Link Current Ne Rx Unusable Secs] (imaLinkCurrentNeRxUnusableSecs)	long	Rx Unusable seconds: count of Unusable seconds at the near-end Rx LSM in the current 15 minute interval.
imaLinkCurrentNeSevErroredSecs [Ima Link Current Ne Sev Errored Secs] (imaLinkCurrentNeSevErroredSecs)	long	Count of one second intervals containing \geq 30% of the ICP cells counted as IV-IMAs, or one or more link defects (e.g., LOS, OOF/LOF, AIS, or LCD), LIF defects, or LODS defects, except during UAS-IMA condition, in the current 15 minute interval.
imaLinkCurrentNeTxNumFailures [Ima Link Current Ne Tx Num Failures] (imaLinkCurrentNeTxNumFailures)	long	The number of times a near-end transmit failure alarm condition has been entered on this link (i.e., some form of implementation specific transmit fault) in the current 15 minute interval.
imaLinkCurrentNeTxUnusableSecs [Ima Link Current Ne Tx Unusable Secs] (imaLinkCurrentNeTxUnusableSecs)	long	Tx Unusable seconds: count of Unusable seconds at the near-end Tx LSM in the current 15 minute interval.
imaLinkCurrentNeUnavailSecs [Ima Link Current Ne Unavail Secs] (imaLinkCurrentNeUnavailSecs)	long	Count of unavailable seconds at near-end in the current 15 minute interval: unavailability begins at the onset of 10 contiguous SES-IMA and ends at the onset of 10 contiguous seconds with no SES-IMA.
imaLinkCurrentRxStuffs [Ima Link Current Rx Stuffs] (imaLinkCurrentRxStuffs)	long	Count of stuff events detected in the receive direction in the current 15 minute interval. This is an optional attribute.

Table 678 mpr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
imaLinkCurrentTxStuffs [Ima Link Current Tx Stuffs] (imaLinkCurrentTxStuffs)	long	Count of stuff events inserted in the transmit direction in the current 15 minute interval. This is an optional attribute.
<p>MptStats MIB entry name: opticsIMEquipmentExtenEntry Entry description: An entry of the equipment extention table. Each entry (row), corresponding to a physical component of a managed element, includes additional fields not included in the associated opticsIMEquipmentEntry. Table description (for opticsIMEquipmentExtenTable): This table contains the information related to the resources that represent the physical components of a managed element, including replaceable components. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
equipPower [Equip Power] (equipmentPowerConsumption)	double	This object reports the value of the instantaneous power consumed by the equipment. The unit of measure is NE dependent and will be defined on own external specification
equipTemperature [Equip Temperature] (equipmentTemperature)	int	This object reports the temperature of the equipment expressed in Celsius degrees
inCurrent [In Current] (equipmentInputCurrent)	double	This object reports the value of the instantaneous electric current flowing through the equipment. The unit of measure is NE dependent and will be defined on own external specification.
inVoltage [In Voltage] (equipmentInputVoltage)	double	This object reports the value of instantaneous voltage applied to the equipment. The unit of measure is NE dependent and will be defined on own external specification.

Table 679 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PTPStats</p> <p>MIB entry name: aluPtpPeerPacketStatsEntry</p> <p>Entry description: Configuration information concerning IEEE 1588 PTP</p> <p>Table description (for aluPtpPeerPacketStatsTable): This table allows configuration to the IEEE 1588 PTP</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpPeerAlternateMasterDisc [Alu Ptp Peer Alternate Master Disc] (aluPtpPeerAlternateMasterDisc)	java. math. BigInteger	aluPtpPeerAlternateMasterDisc indicates the number of packets discarded on ingress as a result of the processing as described in IEEE P1588 D2.2 section 9.1.
aluPtpPeerAnnounceMsgRx [Alu Ptp Peer Announce Msg Rx] (aluPtpPeerAnnounceMsgRx)	java. math. BigInteger	Indicates the number of Announce packets received from the master.
aluPtpPeerAnnounceMsgTx [Alu Ptp Peer Announce Msg Tx] (aluPtpPeerAnnounceMsgTx)	java. math. BigInteger	aluPtpPeerAnnounceMsgTx indicates the number of Announce packets transmitted to the master.
aluPtpPeerBadDomainDisc [Alu Ptp Peer Bad Domain Disc] (aluPtpPeerBadDomainDisc)	java. math. BigInteger	aluPtpPeerBadDomainDisc indicates the number of packets discarded on ingress as a result of the processing as described in IEEE P1588 D2.2 section 9.5.1.
aluPtpPeerBadVersionDisc [Alu Ptp Peer Bad Version Disc] (aluPtpPeerBadVersionDisc)	java. math. BigInteger	aluPtpPeerBadVersionDisc indicates the number of packets discarded on ingress as a result of the IEEE P1588 D2.2 section 7.5.5 version number checking.

Table 679 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerDelayReqMsgRx [Alu Ptp Peer Delay Req Msg Rx] (aluPtpPeerDelayReqMsgRx)	java. math. BigInteger	Indicates the number of Delay Request packets received from the master.
aluPtpPeerDelayReqMsgTx [Alu Ptp Peer Delay Req Msg Tx] (aluPtpPeerDelayReqMsgTx)	java. math. BigInteger	Indicates the number of Delay Request packets transmitted to the master.
aluPtpPeerDelayRespMsgRx [Alu Ptp Peer Delay Resp Msg Rx] (aluPtpPeerDelayRespMsgRx)	java. math. BigInteger	Indicates the number of Delay Response packets received from the master.
aluPtpPeerDelayRespMsgTx [Alu Ptp Peer Delay Resp Msg Tx] (aluPtpPeerDelayRespMsgTx)	java. math. BigInteger	Indicates the number of Delay Response packets transmitted to the master.
aluPtpPeerStepRemovedGreaterThan255Disc [Alu Ptp Peer Step Removed Greater Than 255 Disc] (aluPtpPeerStepRemovedGreaterThan255Disc)	java. math. BigInteger	aluPtpPeerStepRemovedGreaterThan255Disc indicates the number of packets discarded on ingress as a result of processing as described in IEEE P1588 D2.2 section 9.3.2.5.
aluPtpPeerSyncMsgRx [Alu Ptp Peer Sync Msg Rx] (aluPtpPeerSyncMsgRx)	java. math. BigInteger	Indicates the number of Sync packets received from the master.
aluPtpPeerSyncMsgTx [Alu Ptp Peer Sync Msg Tx] (aluPtpPeerSyncMsgTx)	java. math. BigInteger	Indicates the number of Sync packets transmitted to the master.

Table 679 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PtpClockRecoveryAlgStats</p> <p>MIB entry name: aluPtpPeerClkRecAlgEntry</p> <p>Entry description: Defines an entry in aluPtpPeerClkRecAlgTable. Entries are created and deleted by the system depending on the PTP clock configuration.</p> <p>Table description (for aluPtpPeerClkRecAlgTable): Defines the Alcatel-Lucent 7705 IEEE 1588 PTP recovery statistics table for retrieving statistical information relating to the frequency and time recovery algorithm that is derived from PTP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ptp.IEEEPTPPeer</p>		
aluPtpFreqRecAcquiringCount [Alu Ptp Freq Rec Acquiring Count] (aluPtpFreqRecAcquiringCount)	long	The number of seconds the frequency recovery algorithm was in Acquiring state.
aluPtpFreqRecExcessFreqErrCnt [Alu Ptp Freq Rec Excess Freq Err Cnt] (aluPtpFreqRecExcessFreqErrCnt)	long	The number of Excessive Frequency Error events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecFreeRunCount [Alu Ptp Freq Rec Free Run Count] (aluPtpFreqRecFreeRunCount)	long	The number of seconds the frequency recovery algorithm was in Free Run state.
aluPtpFreqRecGapResetCnt [Alu Ptp Freq Rec Gap Reset Cnt] (aluPtpFreqRecGapResetCnt)	long	The number of Gap Rest events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecHoldOverCount [Alu Ptp Freq Rec Hold Over Count] (aluPtpFreqRecHoldOverCount)	long	The number of seconds the frequency recovery algorithm was in Holdover state.
aluPtpFreqRecLockedCount [Alu Ptp Freq Rec Locked Count] (aluPtpFreqRecLockedCount)	long	The number of seconds the frequency recovery algorithm was in Locked state.

Table 679 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpFreqRecLossResetCnt [Alu Ptp Freq Rec Loss Reset Cnt] (aluPtpFreqRecLossResetCnt)	long	The number of Packet Loss Reset events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPacketLossCnt [Alu Ptp Freq Rec Packet Loss Cnt] (aluPtpFreqRecPacketLossCnt)	long	The number of Packet Loss events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPdvStepCnt [Alu Ptp Freq Rec Pdv Step Cnt] (aluPtpFreqRecPdvStepCnt)	long	The number of PDV Step events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecPhaseTrackCount [Alu Ptp Freq Rec Phase Track Count] (aluPtpFreqRecPhaseTrackCount)	long	The number of seconds the frequency recovery algorithm was in Phase Tracking state.
aluPtpFreqRecTripCnt [Alu Ptp Freq Rec Trip Cnt] (aluPtpFreqRecTripCnt)	long	The number of Trip events that have been detected by the frequency recovery algorithm.
aluPtpFreqRecVarTooHighCnt [Alu Ptp Freq Rec Var Too High Cnt] (aluPtpFreqRecVarTooHighCnt)	long	The number of Variance Too High events that have been detected by the frequency recovery algorithm.
<p>PtpClockRecoveryShortIntvlStats MIB entry name: aluPtpPeerRecClkStatsShortIntvlEntry Entry description: An entry in the IEEE PTP 1588 peer clock recovery interval table. Table description (for aluPtpPeerRecClkStatsShortIntvlTable): The PTP Port Recovered Clock Interval Table contains various statistics collected by 1588 PTP clock recovery instance over the previous 15 minutes. The past 15 minutes are broken into 15 1 minute intervals. Each row in this table represents one such interval (identified by AluPtpPeerRecClkStatsShortIntvlEntry). Supports realtime plotting Supports scheduled collection Monitored class: ptp.IEEEPTPPeer</p>		

Table 679 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aluPtpPeerIntvlClockIndex [Alu Ptp Peer Intvl Clock Index] (aluPtpPeerIntvlClockIndex)	int	The index of the clock associated with this ptp master/peer.
aluPtpPeerIntvlIndex [Alu Ptp Peer Intvl Index] (aluPtpPeerIntvlIndex)	int	The index of the master/peer associated with this ptp port.
aluPtpPeerIntvlNumber [Alu Ptp Peer Intvl Number] (aluPtpPeerIntvlNumber)	int	A number between 1 and 15, where 1 is the most recently completed 1 minute interval and 15 is the 1 minutes interval completed 14 minutes prior to interval 1.
aluPtpPeerIntvlPhaseErrorMeanNs [Alu Ptp Peer Intvl Phase Error Mean Ns] (aluPtpPeerIntvlPhaseErrorMeanNs)	double	The mean of the phase error from the local oscillator clock in nano seconds during the interval.
aluPtpPeerIntvlPhaseErrorMeanPpb [Alu Ptp Peer Intvl Phase Error Mean Ppb] (aluPtpPeerIntvlPhaseErrorMeanPpb)	double	The mean phase error from the local oscillator clock in parts per billion during the interval.
aluPtpPeerIntvlPhaseErrorStdDevNs [Alu Ptp Peer Intvl Phase Error Std Dev Ns] (aluPtpPeerIntvlPhaseErrorStdDevNs)	long	The standard deviation of the phase error from the local oscillator clock in nano seconds during the interval.
aluPtpPeerIntvlPortIndex [Alu Ptp Peer Intvl Port Index] (aluPtpPeerIntvlPortIndex)	int	The index of the port associated with this ptp master/peer.
aluPtpPeerIntvlUpdateTime [Alu Ptp Peer Intvl Update Time] (aluPtpPeerIntvlUpdateTime)	long	The update time of the ACR interval statistics
aluPtpPeerIntvlValidData [Alu Ptp Peer Intvl Valid Data] (aluPtpPeerIntvlValidData)	boolean	This variable indicates if the data for this interval is valid.

Table 680 radioequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationCurrentDataStats</p> <p>MIB entry name: opticsIMAdaptiveModulationCurrentDataEntry</p> <p>Entry description: An entry of the Adaptive Modulation current data table. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the associated objects, which have a defined default.</p> <p>Table description (for opticsIMAdaptiveModulationCurrentDataTable): This table contains the current data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationCDElapsedTime [Adaptive Modulation CDElapsed Time] (pmAdaptiveModulationCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
adaptiveModulationCDSuspectIntervalFlag [Adaptive Modulation CDSuspect Interval Flag] (pmAdaptiveModulationCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationCDUsageTime1024QAM [Adaptive Modulation CDUsage Time 1024 QAM] (pmAdaptiveModulationCDUsageTime1024QAM)	long	The number of time unit (in ms) where the system is worked in 1024QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime128QAM [Adaptive Modulation CDUsage Time 128 QAM] (pmAdaptiveModulationCDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationCDUsageTime16QAM [Adaptive Modulation CDUsage Time 16 QAM] (pmAdaptiveModulationCDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationCDUsageTime2048QAM [Adaptive Modulation CDUsage Time 2048 QAM] (pmAdaptiveModulationCDUsageTime2048QAM)	long	The number of time unit (in ms) where the system is worked in 2048QAM.
adaptiveModulationCDUsageTime256QAM [Adaptive Modulation CDUsage Time 256 QAM] (pmAdaptiveModulationCDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationCDUsageTime32QAM [Adaptive Modulation CDUsage Time 32 QAM] (pmAdaptiveModulationCDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationCDUsageTime4QAM [Adaptive Modulation CDUsage Time 4 QAM] (pmAdaptiveModulationCDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationCDUsageTime512QAM [Adaptive Modulation CDUsage Time 512 QAM] (pmAdaptiveModulationCDUsageTime512QAM)	long	The number of time unit (in ms) where the system is worked in 512QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime64QAM [Adaptive Modulation CDUsage Time 64 QAM] (pmAdaptiveModulationCDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationCDUsageTime8QAM [Adaptive Modulation CDUsage Time 8 QAM] (pmAdaptiveModulationCDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.
<p>AdaptiveModulationCurrentDataStats15Min</p> <p>MIB entry name: opticsIMAdaptiveModulationCurrentDataEntry</p> <p>Entry description: An entry of the Adaptive Modulation current data table. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the associated objects, which have a defined default.</p> <p>Table description (for opticsIMAdaptiveModulationCurrentDataTable): This table contains the current data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationCDElapsedTime [Adaptive Modulation CDElapsed Time] (pmAdaptiveModulationCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
adaptiveModulationCDGranularityPeriod [Adaptive Modulation CDGranularity Period] (pmAdaptiveModulationCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDSuspectIntervalFlag [Adaptive Modulation CDSuspect Interval Flag] (pmAdaptiveModulationCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationCDUsageTime1024QAM [Adaptive Modulation CDUsage Time 1024 QAM] (pmAdaptiveModulationCDUsageTime1024QAM)	long	The number of time unit (in ms) where the system is worked in 1024QAM.
adaptiveModulationCDUsageTime128QAM [Adaptive Modulation CDUsage Time 128 QAM] (pmAdaptiveModulationCDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationCDUsageTime16QAM [Adaptive Modulation CDUsage Time 16 QAM] (pmAdaptiveModulationCDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationCDUsageTime2048QAM [Adaptive Modulation CDUsage Time 2048 QAM] (pmAdaptiveModulationCDUsageTime2048QAM)	long	The number of time unit (in ms) where the system is worked in 2048QAM.
adaptiveModulationCDUsageTime256QAM [Adaptive Modulation CDUsage Time 256 QAM] (pmAdaptiveModulationCDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime32QAM [Adaptive Modulation CDUsage Time 32 QAM] (pmAdaptiveModulationCDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationCDUsageTime4QAM [Adaptive Modulation CDUsage Time 4 QAM] (pmAdaptiveModulationCDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationCDUsageTime512QAM [Adaptive Modulation CDUsage Time 512 QAM] (pmAdaptiveModulationCDUsageTime512QAM)	long	The number of time unit (in ms) where the system is worked in 512QAM.
adaptiveModulationCDUsageTime64QAM [Adaptive Modulation CDUsage Time 64 QAM] (pmAdaptiveModulationCDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationCDUsageTime8QAM [Adaptive Modulation CDUsage Time 8 QAM] (pmAdaptiveModulationCDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMAdaptiveModulationCurrentDataEntry</p> <p>Entry description: An entry of the Adaptive Modulation current data table. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the associated objects, which have a defined default.</p> <p>Table description (for opticsIMAdaptiveModulationCurrentDataTable): This table contains the current data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationCDElapsedTime [Adaptive Modulation CDElapsed Time] (pmAdaptiveModulationCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
adaptiveModulationCDGranularityPeriod [Adaptive Modulation CDGranularity Period] (pmAdaptiveModulationCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationCDSuspectIntervalFlag [Adaptive Modulation CDSuspect Interval Flag] (pmAdaptiveModulationCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime1024QAM [Adaptive Modulation CDUsage Time 1024 QAM] (pmAdaptiveModulationCDUsageTime1024QAM)	long	The number of time unit (in ms) where the system is worked in 1024QAM.
adaptiveModulationCDUsageTime128QAM [Adaptive Modulation CDUsage Time 128 QAM] (pmAdaptiveModulationCDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationCDUsageTime16QAM [Adaptive Modulation CDUsage Time 16 QAM] (pmAdaptiveModulationCDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationCDUsageTime2048QAM [Adaptive Modulation CDUsage Time 2048 QAM] (pmAdaptiveModulationCDUsageTime2048QAM)	long	The number of time unit (in ms) where the system is worked in 2048QAM.
adaptiveModulationCDUsageTime256QAM [Adaptive Modulation CDUsage Time 256 QAM] (pmAdaptiveModulationCDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationCDUsageTime32QAM [Adaptive Modulation CDUsage Time 32 QAM] (pmAdaptiveModulationCDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationCDUsageTime4QAM [Adaptive Modulation CDUsage Time 4 QAM] (pmAdaptiveModulationCDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime512QAM [Adaptive Modulation CDUsage Time 512 QAM] (pmAdaptiveModulationCDUsageTime512QAM)	long	The number of time unit (in ms) where the system is worked in 512QAM.
adaptiveModulationCDUsageTime64QAM [Adaptive Modulation CDUsage Time 64 QAM] (pmAdaptiveModulationCDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationCDUsageTime8QAM [Adaptive Modulation CDUsage Time 8 QAM] (pmAdaptiveModulationCDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.
<p>AdaptiveModulationHistoryDataStats MIB entry name: opticsIMAdaptiveModulationHistoryDataEntry Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMAdaptiveModulationHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmAdaptiveModulationHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime. Table description (for opticsIMAdaptiveModulationHistoryDataTable): This table contains the History data for the Adaptive Modulation PM. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.PhysicalPort • genericne.GenericNeInterface</p>		
adaptiveModulationHDElapsedTime [Adaptive Modulation HDElapsed Time] (pmAdaptiveModulationHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDPeriodEndTime [Adaptive Modulation HDPeriod End Time] (pmAdaptiveModulationHDPeriodEndTime)	long	The 0 value indicates the null value.
adaptiveModulationHDSuspectIntervalFlag [Adaptive Modulation HDSuspect Interval Flag] (pmAdaptiveModulationHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationHDUsageTime1024QAM [Adaptive Modulation HDUsage Time 1024 QAM] (pmAdaptiveModulationHDUsageTime1024QAM)	long	The number of time unit (in ms) where the system is worked in 1024QAM.
adaptiveModulationHDUsageTime128QAM [Adaptive Modulation HDUsage Time 128 QAM] (pmAdaptiveModulationHDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationHDUsageTime16QAM [Adaptive Modulation HDUsage Time 16 QAM] (pmAdaptiveModulationHDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationHDUsageTime2048QAM [Adaptive Modulation HDUsage Time 2048 QAM] (pmAdaptiveModulationHDUsageTime2048QAM)	long	The number of time unit (in ms) where the system is worked in 2048QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDUsageTime256QAM [Adaptive Modulation HDUsage Time 256 QAM] (pmAdaptiveModulationHDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationHDUsageTime32QAM [Adaptive Modulation HDUsage Time 32 QAM] (pmAdaptiveModulationHDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationHDUsageTime4QAM [Adaptive Modulation HDUsage Time 4 QAM] (pmAdaptiveModulationHDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationHDUsageTime512QAM [Adaptive Modulation HDUsage Time 512 QAM] (pmAdaptiveModulationHDUsageTime512QAM)	long	The number of time unit (in ms) where the system is worked in 512QAM.
adaptiveModulationHDUsageTime64QAM [Adaptive Modulation HDUsage Time 64 QAM] (pmAdaptiveModulationHDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationHDUsageTime8QAM [Adaptive Modulation HDUsage Time 8 QAM] (pmAdaptiveModulationHDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationHistoryDataStats15Min</p> <p>MIB entry name: opticsIMAdaptiveModulationHistoryDataEntry</p> <p>Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMAdaptiveModulationHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmAdaptiveModulationHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMAdaptiveModulationHistoryDataTable): This table contains the History data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationHDElapsedTime [Adaptive Modulation HDElapsed Time] (pmAdaptiveModulationHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
adaptiveModulationHDGranularityPeriod [Adaptive Modulation HDGranularity Period] (pmAdaptiveModulationHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationHDPeriodEndTime [Adaptive Modulation HDPeriod End Time] (pmAdaptiveModulationHDPeriodEndTime)	long	The 0 value indicates the null value.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDSuspectIntervalFlag [Adaptive Modulation HDSuspect Interval Flag] (pmAdaptiveModulationHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationHDUsageTime1024QAM [Adaptive Modulation HDUsage Time 1024 QAM] (pmAdaptiveModulationHDUsageTime1024QAM)	long	The number of time unit (in ms) where the system is worked in 1024QAM.
adaptiveModulationHDUsageTime128QAM [Adaptive Modulation HDUsage Time 128 QAM] (pmAdaptiveModulationHDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationHDUsageTime16QAM [Adaptive Modulation HDUsage Time 16 QAM] (pmAdaptiveModulationHDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationHDUsageTime2048QAM [Adaptive Modulation HDUsage Time 2048 QAM] (pmAdaptiveModulationHDUsageTime2048QAM)	long	The number of time unit (in ms) where the system is worked in 2048QAM.
adaptiveModulationHDUsageTime256QAM [Adaptive Modulation HDUsage Time 256 QAM] (pmAdaptiveModulationHDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDUsageTime32QAM [Adaptive Modulation HDUsage Time 32 QAM] (pmAdaptiveModulationHDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationHDUsageTime4QAM [Adaptive Modulation HDUsage Time 4 QAM] (pmAdaptiveModulationHDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationHDUsageTime512QAM [Adaptive Modulation HDUsage Time 512 QAM] (pmAdaptiveModulationHDUsageTime512QAM)	long	The number of time unit (in ms) where the system is worked in 512QAM.
adaptiveModulationHDUsageTime64QAM [Adaptive Modulation HDUsage Time 64 QAM] (pmAdaptiveModulationHDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationHDUsageTime8QAM [Adaptive Modulation HDUsage Time 8 QAM] (pmAdaptiveModulationHDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMAdaptiveModulationHistoryDataEntry</p> <p>Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMAdaptiveModulationHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmAdaptiveModulationHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMAdaptiveModulationHistoryDataTable): This table contains the History data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationHDElapsedTime [Adaptive Modulation HDElapsed Time] (pmAdaptiveModulationHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
adaptiveModulationHDGranularityPeriod [Adaptive Modulation HDGranularity Period] (pmAdaptiveModulationHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationHDPeriodEndTime [Adaptive Modulation HDPeriod End Time] (pmAdaptiveModulationHDPeriodEndTime)	long	The 0 value indicates the null value.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDSuspectIntervalFlag [Adaptive Modulation HDSuspect Interval Flag] (pmAdaptiveModulationHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationHDUsageTime1024QAM [Adaptive Modulation HDUsage Time 1024 QAM] (pmAdaptiveModulationHDUsageTime1024QAM)	long	The number of time unit (in ms) where the system is worked in 1024QAM.
adaptiveModulationHDUsageTime128QAM [Adaptive Modulation HDUsage Time 128 QAM] (pmAdaptiveModulationHDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationHDUsageTime16QAM [Adaptive Modulation HDUsage Time 16 QAM] (pmAdaptiveModulationHDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationHDUsageTime2048QAM [Adaptive Modulation HDUsage Time 2048 QAM] (pmAdaptiveModulationHDUsageTime2048QAM)	long	The number of time unit (in ms) where the system is worked in 2048QAM.
adaptiveModulationHDUsageTime256QAM [Adaptive Modulation HDUsage Time 256 QAM] (pmAdaptiveModulationHDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDUsageTime32QAM [Adaptive Modulation HDUsage Time 32 QAM] (pmAdaptiveModulationHDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationHDUsageTime4QAM [Adaptive Modulation HDUsage Time 4 QAM] (pmAdaptiveModulationHDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationHDUsageTime512QAM [Adaptive Modulation HDUsage Time 512 QAM] (pmAdaptiveModulationHDUsageTime512QAM)	long	The number of time unit (in ms) where the system is worked in 512QAM.
adaptiveModulationHDUsageTime64QAM [Adaptive Modulation HDUsage Time 64 QAM] (pmAdaptiveModulationHDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationHDUsageTime8QAM [Adaptive Modulation HDUsage Time 8 QAM] (pmAdaptiveModulationHDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AggrPerQueueMaintStats</p> <p>MIB entry name: ethAggrPerQueueMaintEntry</p> <p>Entry description: An entry of received per queue aggregates maintenance counters table.</p> <p>Table description (for ethAggrPerQueueMaintTable): This table contains received per queue aggregates maintenance counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
aggrPerQueueMaintDiscardTCF [Aggr Per Queue Maint Discard TCF] (ethAggrPerQueueMaintDiscardTCF)	java. math. BigInteger	The number of Discarded Ethernet conforming frames(green) accepted by the specific queue of this Ethernet interface
aggrPerQueueMaintTCF [Aggr Per Queue Maint TCF] (ethAggrPerQueueMaintTCF)	java. math. BigInteger	The number of Ethernet conforming frames(green) accepted by the specific queue of this Ethernet interface
aggrPerQueueMaintTCO [Aggr Per Queue Maint TCO] (ethAggrPerQueueMaintTCO)	java. math. BigInteger	The number of Ethernet conforming octets (green) accepted by the specific queue of this Ethernet interface
retrievingTime [Retrieving Time] (ethAggrPerQueueMaintRetrievingTime)	long	The NE time when counters are retrieved cause a maintenance action

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdhFrameHopCurrentDataStats</p> <p>MIB entry name: opticsIMPdhFrameHopCurrentDataEntry</p> <p>Entry description: An entry of the pdhFrameHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameHopCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopCDBbe [Pdh Frame Hop CDBbe] (pmPdhFrameHopCDBbe)	long	The number of BBE.
pdhFrameHopCDElapsedTime [Pdh Frame Hop CDElapsed Time] (pmPdhFrameHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameHopCDEs [Pdh Frame Hop CDEs] (pmPdhFrameHopCDEs)	long	The number of ES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDMaxSuppressedIntervals [Pdh Frame Hop CDMax Suppressed Intervals] (pmPdhFrameHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameHopCDNumSuppressedIntervals [Pdh Frame Hop CDNum Suppressed Intervals] (pmPdhFrameHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopCDSes [Pdh Frame Hop CDSes] (pmPdhFrameHopCDSes)	long	The number of SES.
pdhFrameHopCDSuspectIntervalFlag [Pdh Frame Hop CDSuspect Interval Flag] (pmPdhFrameHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDUas [Pdh Frame Hop CDUas] (pmPdhFrameHopCDUas)	long	The number of UAS.
<p>PdhFrameHopCurrentDataStats15Min MIB entry name: opticsIMPdhFrameHopCurrentDataEntry Entry description: An entry of the pdhFrameHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameHopCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Hop level.</p> <p>Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopCDBbe [Pdh Frame Hop CDBbe] (pmPdhFrameHopCDBbe)	long	The number of BBE.
pdhFrameHopCDElapsedTime [Pdh Frame Hop CDElapsed Time] (pmPdhFrameHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameHopCDEs [Pdh Frame Hop CDEs] (pmPdhFrameHopCDEs)	long	The number of ES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDGranularityPeriod [Pdh Frame Hop CDGranularity Period] (pmPdhFrameHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameHopCDMaxSuppressedIntervals [Pdh Frame Hop CDMax Suppressed Intervals] (pmPdhFrameHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameHopCDNumSuppressedIntervals [Pdh Frame Hop CDNum Suppressed Intervals] (pmPdhFrameHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopCDSes [Pdh Frame Hop CDSes] (pmPdhFrameHopCDSes)	long	The number of SES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDSuspectIntervalFlag [Pdh Frame Hop CDSuspect Interval Flag] (pmPdhFrameHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopCDUas [Pdh Frame Hop CDUas] (pmPdhFrameHopCDUas)	long	The number of UAS.
<p>PdhFrameHopCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMPdhFrameHopCurrentDataEntry</p> <p>Entry description: An entry of the pdhFrameHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameHopCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopCDBbe [Pdh Frame Hop CDBbe] (pmPdhFrameHopCDBbe)	long	The number of BBE.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDElapsedTime [Pdh Frame Hop CDElapsed Time] (pmPdhFrameHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameHopCDEs [Pdh Frame Hop CDEs] (pmPdhFrameHopCDEs)	long	The number of ES.
pdhFrameHopCDGranularityPeriod [Pdh Frame Hop CDGranularity Period] (pmPdhFrameHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameHopCDMaxSuppressedIntervals [Pdh Frame Hop CDMax Suppressed Intervals] (pmPdhFrameHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameHopCDNumSuppressedIntervals [Pdh Frame Hop CDNum Suppressed Intervals] (pmPdhFrameHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDSes [Pdh Frame Hop CDSes] (pmPdhFrameHopCDSes)	long	The number of SES.
pdhFrameHopCDSuspectIntervalFlag [Pdh Frame Hop CDSuspect Interval Flag] (pmPdhFrameHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopCDUas [Pdh Frame Hop CDUas] (pmPdhFrameHopCDUas)	long	The number of UAS.
<p>PdhFrameHopHistoryDataStats</p> <p>MIB entry name: opticsIMPdhFrameHopHistoryDataEntry</p> <p>Entry description: An entry of the pdhFrameHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameHopHDPPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameHopHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDBbe [Pdh Frame Hop HDBbe] (pmPdhFrameHopHDBbe)	long	The number of BBE.
pdhFrameHopHDElapsedTime [Pdh Frame Hop HDElapsed Time] (pmPdhFrameHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameHopHDEs [Pdh Frame Hop HDEs] (pmPdhFrameHopHDEs)	long	The number of ES.
pdhFrameHopHDNumSuppressedIntervals [Pdh Frame Hop HDNum Suppressed Intervals] (pmPdhFrameHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopHDPeriodEndTime [Pdh Frame Hop HDPeriod End Time] (pmPdhFrameHopHDPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameHopHDSes [Pdh Frame Hop HDSes] (pmPdhFrameHopHDSes)	long	The number of SES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDSuspectIntervalFlag [Pdh Frame Hop HDSuspect Interval Flag] (pmPdhFrameHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopHDUas [Pdh Frame Hop HDUas] (pmPdhFrameHopHDUas)	long	The number of UAS.
<p>PdhFrameHopHistoryDataStats15Min MIB entry name: opticsIMPdhFrameHopHistoryDataEntry Entry description: An entry of the pdhFrameHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameHopHistory-DataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameHopHDPeiodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime. Table description (for opticsIMPdhFrameHopHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Hop level.. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface </p>		
pdhFrameHopHDBbe [Pdh Frame Hop HDBbe] (pmPdhFrameHopHDBbe)	long	The number of BBE.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDElapsedTime [Pdh Frame Hop HDElapsed Time] (pmPdhFrameHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameHopHDEs [Pdh Frame Hop HDEs] (pmPdhFrameHopHDEs)	long	The number of ES.
pdhFrameHopHDGranularityPeriod [Pdh Frame Hop HDGranularity Period] (pmPdhFrameHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameHopHDNumSuppressedIntervals [Pdh Frame Hop HDNum Suppressed Intervals] (pmPdhFrameHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopHDPPeriodEndTime [Pdh Frame Hop HDPPeriod End Time] (pmPdhFrameHopHDPPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameHopHDSes [Pdh Frame Hop HDSes] (pmPdhFrameHopHDSes)	long	The number of SES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDSuspectIntervalFlag [Pdh Frame Hop HDSuspect Interval Flag] (pmPdhFrameHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopHDUas [Pdh Frame Hop HDUas] (pmPdhFrameHopHDUas)	long	The number of UAS.
<p>PdhFrameHopHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMPdhFrameHopHistoryDataEntry</p> <p>Entry description: An entry of the pdhFrameHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameHopHistory-DataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameHopHDPeiodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameHopHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopHDBbe [Pdh Frame Hop HDBbe] (pmPdhFrameHopHDBbe)	long	The number of BBE.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDElapsedTime [Pdh Frame Hop HDElapsed Time] (pmPdhFrameHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameHopHDEs [Pdh Frame Hop HDEs] (pmPdhFrameHopHDEs)	long	The number of ES.
pdhFrameHopHDGranularityPeriod [Pdh Frame Hop HDGranularity Period] (pmPdhFrameHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameHopHDNumSuppressedIntervals [Pdh Frame Hop HDNum Suppressed Intervals] (pmPdhFrameHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopHDPPeriodEndTime [Pdh Frame Hop HDPPeriod End Time] (pmPdhFrameHopHDPPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameHopHDSes [Pdh Frame Hop HDSes] (pmPdhFrameHopHDSes)	long	The number of SES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDSuspectIntervalFlag [Pdh Frame Hop HDSuspect Interval Flag] (pmPdhFrameHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopHDUas [Pdh Frame Hop HDUas] (pmPdhFrameHopHDUas)	long	The number of UAS.
<p>PdhFrameLinkCurrentDataStats</p> <p>MIB entry name: opticsIMPdhFrameLinkCurrentDataEntry</p> <p>Entry description: An entry of the PdhFrameLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameLinkCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameLinkCDBbe [Pdh Frame Link CDBbe] (pmPdhFrameLinkCDBbe)	long	The number of BBE.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkCDElapsedTime [Pdh Frame Link CDElapsed Time] (pmPdhFrameLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameLinkCDEs [Pdh Frame Link CDEs] (pmPdhFrameLinkCDEs)	long	The number of ES.
pdhFrameLinkCDMaxSuppressedIntervals [Pdh Frame Link CDMax Suppressed Intervals] (pmPdhFrameLinkCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameLinkCDNumSuppressedIntervals [Pdh Frame Link CDNum Suppressed Intervals] (pmPdhFrameLinkCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameLinkCDSes [Pdh Frame Link CDSes] (pmPdhFrameLinkCDSes)	long	The number of SES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkCDSuspectIntervalFlag [Pdh Frame Link CDSuspect Interval Flag] (pmPdhFrameLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameLinkCDUas [Pdh Frame Link CDUas] (pmPdhFrameLinkCDUas)	long	The number of UAS.
<p>PdhFrameLinkCurrentDataStats15Min</p> <p>MIB entry name: opticsIMPdhFrameLinkCurrentDataEntry</p> <p>Entry description: An entry of the PdhFrameLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameLinkCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameLinkCDBbe [Pdh Frame Link CDBbe] (pmPdhFrameLinkCDBbe)	long	The number of BBE.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkCDElapsedTime [Pdh Frame Link CDElapsed Time] (pmPdhFrameLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameLinkCDEs [Pdh Frame Link CDEs] (pmPdhFrameLinkCDEs)	long	The number of ES.
pdhFrameLinkCDGranularityPeriod [Pdh Frame Link CDGranularity Period] (pmPdhFrameLinkCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes, 24 hours or one hour.
pdhFrameLinkCDMaxSuppressedIntervals [Pdh Frame Link CDMax Suppressed Intervals] (pmPdhFrameLinkCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameLinkCDNumSuppressedIntervals [Pdh Frame Link CDNum Suppressed Intervals] (pmPdhFrameLinkCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkCDSes [Pdh Frame Link CDSes] (pmPdhFrameLinkCDSes)	long	The number of SES.
pdhFrameLinkCDSuspectIntervalFlag [Pdh Frame Link CDSuspect Interval Flag] (pmPdhFrameLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameLinkCDUas [Pdh Frame Link CDUas] (pmPdhFrameLinkCDUas)	long	The number of UAS.
<p>PdhFrameLinkCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMPdhFrameLinkCurrentDataEntry</p> <p>Entry description: An entry of the PdhFrameLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameLinkCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkCDBbe [Pdh Frame Link CDBbe] (pmPdhFrameLinkCDBbe)	long	The number of BBE.
pdhFrameLinkCDElapsedTime [Pdh Frame Link CDElapsed Time] (pmPdhFrameLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameLinkCDEs [Pdh Frame Link CDEs] (pmPdhFrameLinkCDEs)	long	The number of ES.
pdhFrameLinkCDGranularityPeriod [Pdh Frame Link CDGranularity Period] (pmPdhFrameLinkCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameLinkCDMaxSuppressedIntervals [Pdh Frame Link CDMax Suppressed Intervals] (pmPdhFrameLinkCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkCDNumSuppressedIntervals [Pdh Frame Link CDNum Suppressed Intervals] (pmPdhFrameLinkCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameLinkCDSes [Pdh Frame Link CDSes] (pmPdhFrameLinkCDSes)	long	The number of SES.
pdhFrameLinkCDSuspectIntervalFlag [Pdh Frame Link CDSuspect Interval Flag] (pmPdhFrameLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameLinkCDUas [Pdh Frame Link CDUas] (pmPdhFrameLinkCDUas)	long	The number of UAS.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdhFrameLinkHistoryDataStats</p> <p>MIB entry name: opticsIMPdhFrameLinkHistoryDataEntry</p> <p>Entry description: An entry of the PdhFrameLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameLinkHDBPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameLinkHDBbe [Pdh Frame Link HDBbe] (pmPdhFrameLinkHDBbe)	long	The number of BBE.
pdhFrameLinkHDElapsedTime [Pdh Frame Link HDElapsed Time] (pmPdhFrameLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameLinkHDEs [Pdh Frame Link HDEs] (pmPdhFrameLinkHDEs)	long	The number of ES.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkHDNumSuppressedIntervals [Pdh Frame Link HDNum Suppressed Intervals] (pmPdhFrameLinkHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameLinkHDPeriodEndTime [Pdh Frame Link HDPeriod End Time] (pmPdhFrameLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameLinkHDSes [Pdh Frame Link HDSes] (pmPdhFrameLinkHDSes)	long	The number of SES.
pdhFrameLinkHDSuspectIntervalFlag [Pdh Frame Link HDSuspect Interval Flag] (pmPdhFrameLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameLinkHDUas [Pdh Frame Link HDUas] (pmPdhFrameLinkHDUas)	long	The number of UAS.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdhFrameLinkHistoryDataStats15Min</p> <p>MIB entry name: opticsIMPdhFrameLinkHistoryDataEntry</p> <p>Entry description: An entry of the PdhFrameLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameLinkHDBPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameLinkHDBbe [Pdh Frame Link HDBbe] (pmPdhFrameLinkHDBbe)	long	The number of BBE.
pdhFrameLinkHDElapsedTime [Pdh Frame Link HDElapsed Time] (pmPdhFrameLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameLinkHDEs [Pdh Frame Link HDEs] (pmPdhFrameLinkHDEs)	long	The number of ES.
pdhFrameLinkHDGranularityPeriod [Pdh Frame Link HDGranularity Period] (pmPdhFrameLinkHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkHDNumSuppressedIntervals [Pdh Frame Link HDNum Suppressed Intervals] (pmPdhFrameLinkHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameLinkHDPeriodEndTime [Pdh Frame Link HDPeriod End Time] (pmPdhFrameLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameLinkHDSes [Pdh Frame Link HDSes] (pmPdhFrameLinkHDSes)	long	The number of SES.
pdhFrameLinkHDSuspectIntervalFlag [Pdh Frame Link HDSuspect Interval Flag] (pmPdhFrameLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameLinkHDUas [Pdh Frame Link HDUas] (pmPdhFrameLinkHDUas)	long	The number of UAS.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdhFrameLinkHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMPdhFrameLinkHistoryDataEntry</p> <p>Entry description: An entry of the PdhFrameLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameLinkHDBPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameLinkHDBbe [Pdh Frame Link HDBbe] (pmPdhFrameLinkHDBbe)	long	The number of BBE.
pdhFrameLinkHDElapsedTime [Pdh Frame Link HDElapsed Time] (pmPdhFrameLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
pdhFrameLinkHDEs [Pdh Frame Link HDEs] (pmPdhFrameLinkHDEs)	long	The number of ES.
pdhFrameLinkHDGranularityPeriod [Pdh Frame Link HDGranularity Period] (pmPdhFrameLinkHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameLinkHDNumSuppressedIntervals [Pdh Frame Link HDNum Suppressed Intervals] (pmPdhFrameLinkHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameLinkHDPeriodEndTime [Pdh Frame Link HDPeriod End Time] (pmPdhFrameLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameLinkHDSes [Pdh Frame Link HDSes] (pmPdhFrameLinkHDSes)	long	The number of SES.
pdhFrameLinkHDSuspectIntervalFlag [Pdh Frame Link HDSuspect Interval Flag] (pmPdhFrameLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameLinkHDUas [Pdh Frame Link HDUas] (pmPdhFrameLinkHDUas)	long	The number of UAS.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLDivHopCurrentDataStats</p> <p>MIB entry name: opticsIMRSLDivHopCurrentDataEntry</p> <p>Entry description: An entry of the RSLDivHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLDivHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rslDivHopCDAsapIndex [Rsl Div Hop CDAsap Index] (pmRSLDivHopCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rslDivHopCDAverageLeveldBm [Rsl Div Hop CDAverage LeveldBm] (pmRSLDivHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDElapsedTime [Rsl Div Hop CDElapsed Time] (pmRSLDivHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivHopCDIndex [Rsl Div Hop CDIndex] (pmRSLDivHopCDIndex)	long	It represents an index for PM entries.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopCDMaxSuppressedIntervals [Rsl Div Hop CDMax Suppressed Intervals] (pmRSLDivHopCDMaxSuppressed- Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rslDivHopCDMaximumLeveldBm [Rsl Div Hop CDMaximum LeveldBm] (pmRSLDivHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDMinimumLeveldBm [Rsl Div Hop CDMinimum LeveldBm] (pmRSLDivHopCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDNumSuppressedIntervals [Rsl Div Hop CDNum Suppressed Intervals] (pmRSLDivHopCDNumSuppressed- Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopCDSuspectIntervalFlag [Rsl Div Hop CDSuspect Interval Flag] (pmRSLDivHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivHopCurrentDataStats15Min</p> <p>MIB entry name: opticsIMRSLDivHopCurrentDataEntry</p> <p>Entry description: An entry of the RSLDivHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLDivHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rslDivHopCDAsapIndex [Rsl Div Hop CDAsap Index] (pmRSLDivHopCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rslDivHopCDAverageLeveldBm [Rsl Div Hop CDAverage Level dBm] (pmRSLDivHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopCDElapsedTime [Rsl Div Hop CDElapsed Time] (pmRSLDivHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivHopCDGranularityPeriod [Rsl Div Hop CDGranularity Period] (pmRSLDivHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rslDivHopCDIndex [Rsl Div Hop CDIndex] (pmRSLDivHopCDIndex)	long	It represents an index for PM entries.
rslDivHopCDMaxSuppressedIntervals [Rsl Div Hop CDMax Suppressed Intervals] (pmRSLDivHopCDMaxSuppressed- Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
rslDivHopCDMaximumLeveldBm [Rsl Div Hop CDMaximum LeveldBm] (pmRSLDivHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDMinimumLeveldBm [Rsl Div Hop CDMinimum LeveldBm] (pmRSLDivHopCDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopCDNumSuppressedIntervals [Rsl Div Hop CDNum Suppressed Intervals] (pmRSLDivHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivHopCDSuspectIntervalFlag [Rsl Div Hop CDSuspect Interval Flag] (pmRSLDivHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivHopCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMRSLDivHopCurrentDataEntry</p> <p>Entry description: An entry of the RSLDivHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLDivHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopCDAsapIndex [Rsl Div Hop CDAsap Index] (pmRSLDivHopCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rslDivHopCDAverageLeveldBm [Rsl Div Hop CDAverage LeveldBm] (pmRSLDivHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDElapsedTime [Rsl Div Hop CDElapsed Time] (pmRSLDivHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivHopCDGranularityPeriod [Rsl Div Hop CDGranularity Period] (pmRSLDivHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rslDivHopCDIndex [Rsl Div Hop CDIndex] (pmRSLDivHopCDIndex)	long	It represents an index for PM entries.
rslDivHopCDMaxSuppressedIntervals [Rsl Div Hop CDMax Suppressed Intervals] (pmRSLDivHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopCDMaximumLeveldBm [Rsl Div Hop CDMaximum LeveldBm] (pmRSLDivHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDMinimumLeveldBm [Rsl Div Hop CDMinimum LeveldBm] (pmRSLDivHopCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopCDNumSuppressedIntervals [Rsl Div Hop CDNum Suppressed Intervals] (pmRSLDivHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivHopCDSuspectIntervalFlag [Rsl Div Hop CDSuspect Interval Flag] (pmRSLDivHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLDivHopHistoryDataStats</p> <p>MIB entry name: opticsIMRSLDivHopHistoryDataEntry</p> <p>Entry description: An entry of the RSLDivHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLDivHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLDivHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLDivHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rslDivHopHDAverageLeveldBm [Rsl Div Hop HDAverage Leveld Bm] (pmRSLDivHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDElapsedTime [Rsl Div Hop HDElapsed Time] (pmRSLDivHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivHopHDMaximumLeveldBm [Rsl Div Hop HDMaximum Leveld Bm] (pmRSLDivHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDMinimumLeveldBm [Rsl Div Hop HDMinimum Leveld Bm] (pmRSLDivHopHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopHDNumSuppressedIntervals [Rsl Div Hop HDNum Suppressed Intervals] (pmRSLDivHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivHopHDPeriodEndTime [Rsl Div Hop HDPeriod End Time] (pmRSLDivHopHDPeriodEndTime)	long	The 0 value indicates the null value.
rslDivHopHDSuspectIntervalFlag [Rsl Div Hop HDSuspect Interval Flag] (pmRSLDivHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivHopHistoryDataStats15Min</p> <p>MIB entry name: opticsIMRSLDivHopHistoryDataEntry</p> <p>Entry description: An entry of the RSLDivHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLDivHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLDivHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLDivHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopHDAverageLeveldBm [Rsl Div Hop HDAverage LeveldBm] (pmRSLDivHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDElapsedTime [Rsl Div Hop HDElapsed Time] (pmRSLDivHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivHopHDGranularityPeriod [Rsl Div Hop HDGranularity Period] (pmRSLDivHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rslDivHopHDMaximumLeveldBm [Rsl Div Hop HDMaximum LeveldBm] (pmRSLDivHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDMinimumLeveldBm [Rsl Div Hop HDMinimum LeveldBm] (pmRSLDivHopHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDNumSuppressedIntervals [Rsl Div Hop HDNum Suppressed Intervals] (pmRSLDivHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivHopHDPeriodEndTime [Rsl Div Hop HDPeriod End Time] (pmRSLDivHopHDPeriodEndTime)	long	The 0 value indicates the null value.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopHDSuspectIntervalFlag [Rsl Div Hop HDSuspect Interval Flag] (pmRSLDivHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivHopHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMRSLDivHopHistoryDataEntry</p> <p>Entry description: An entry of the RSLDivHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLDivHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLDivHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLDivHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rslDivHopHDAverageLeveldBm [Rsl Div Hop HDAverage LeveldBm] (pmRSLDivHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDElapsedTime [Rsl Div Hop HDElapsed Time] (pmRSLDivHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivHopHDGranularityPeriod [Rsl Div Hop HDGranularity Period] (pmRSLDivHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivHopHDMaximumLeveldBm [Rsl Div Hop HDMaximum LevelBm] (pmRSLDivHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDMinimumLeveldBm [Rsl Div Hop HDMinimum LevelBm] (pmRSLDivHopHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivHopHDNumSuppressedIntervals [Rsl Div Hop HDNum Suppressed Intervals] (pmRSLDivHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivHopHDPeriodEndTime [Rsl Div Hop HDPeriod End Time] (pmRSLDivHopHDPeriodEndTime)	long	The 0 value indicates the null value.
rslDivHopHDSuspectIntervalFlag [Rsl Div Hop HDSuspect Interval Flag] (pmRSLDivHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLDivLinkCurrentDataStats</p> <p>MIB entry name: opticsIMRSLDivLinkCurrentDataEntry</p> <p>Entry description: An entry of the RSLDivLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLDivLinkCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rsDivLinkCDAverageLeveldBm [Rsl Div Link CDAverage LeveldBm] (pmRSLDivLinkCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsDivLinkCDElapsedTime [Rsl Div Link CDElapsed Time] (pmRSLDivLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsDivLinkCDIndex [Rsl Div Link CDIndex] (pmRSLDivLinkCDIndex)	long	It represents an index for PM entries.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkCDMaxSuppressedIntervals [Rsl Div Link CDMax Suppressed Intervals] (pmRSLDivLinkCDMaxSuppressed- Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
rslDivLinkCDMaximumLeveldBm [Rsl Div Link CDMaximum LeveldBm] (pmRSLDivLinkCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkCDMinimumLeveldBm [Rsl Div Link CDMinimum LeveldBm] (pmRSLDivLinkCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkCDNumSuppressedIntervals [Rsl Div Link CDNum Suppressed Intervals] (pmRSLDivLinkCDNumSuppressed- Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkCDSuspectIntervalFlag [Rsl Div Link CDSuspect Interval Flag] (pmRSLDivLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivLinkCurrentDataStats15Min</p> <p>MIB entry name: opticsIMRSLDivLinkCurrentDataEntry</p> <p>Entry description: An entry of the RSLDivLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLDivLinkCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rslDivLinkCDAverageLeveldBm [Rsl Div Link CDAverage Level dBm] (pmRSLDivLinkCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkCDElapsedTime [Rsl Div Link CDElapsed Time] (pmRSLDivLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkCDGranularityPeriod [Rsl Div Link CDGranularity Period] (pmRSLDivLinkCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rslDivLinkCDIndex [Rsl Div Link CDIndex] (pmRSLDivLinkCDIndex)	long	It represents an index for PM entries.
rslDivLinkCDMaxSuppressedIntervals [Rsl Div Link CDMax Suppressed Intervals] (pmRSLDivLinkCDMaxSuppressed- Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rslDivLinkCDMaximumLeveldBm [Rsl Div Link CDMaximum LeveldBm] (pmRSLDivLinkCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkCDMinimumLeveldBm [Rsl Div Link CDMinimum LeveldBm] (pmRSLDivLinkCDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkCDNumSuppressedIntervals [Rsl Div Link CDNum Suppressed Intervals] (pmRSLDivLinkCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivLinkCDSuspectIntervalFlag [Rsl Div Link CDSuspect Interval Flag] (pmRSLDivLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivLinkCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMRSLDivLinkCurrentDataEntry</p> <p>Entry description: An entry of the RSLDivLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLDivLinkCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkCDAverageLeveldBm [Rsl Div Link CDAverage LeveldBm] (pmRSLDivLinkCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkCDElapsedTime [Rsl Div Link CDElapsed Time] (pmRSLDivLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivLinkCDGranularityPeriod [Rsl Div Link CDGranularity Period] (pmRSLDivLinkCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rslDivLinkCDIndex [Rsl Div Link CDIndex] (pmRSLDivLinkCDIndex)	long	It represents an index for PM entries.
rslDivLinkCDMaxSuppressedIntervals [Rsl Div Link CDMax Suppressed Intervals] (pmRSLDivLinkCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rslDivLinkCDMaximumLeveldBm [Rsl Div Link CDMaximum LeveldBm] (pmRSLDivLinkCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkCDMinimumLeveldBm [Rsl Div Link CDMinimum LeveldBm] (pmRSLDivLinkCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkCDNumSuppressedIntervals [Rsl Div Link CDNum Suppressed Intervals] (pmRSLDivLinkCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivLinkCDSuspectIntervalFlag [Rsl Div Link CDSuspect Interval Flag] (pmRSLDivLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivLinkHistoryDataStats</p> <p>MIB entry name: opticsIMRSLDivLinkHistoryDataEntry</p> <p>Entry description: An entry of the RSLDivLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLDivLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLDivLinkHDPPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLDivLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkHDAverageLeveldBm [Rsl Div Link HDAverage LeveldBm] (pmRSLDivLinkHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkHDElapsedTime [Rsl Div Link HDElapsed Time] (pmRSLDivLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivLinkHDMaximumLeveldBm [Rsl Div Link HDMaximum LeveldBm] (pmRSLDivLinkHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkHDMinimumLeveldBm [Rsl Div Link HDMinimum LeveldBm] (pmRSLDivLinkHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkHDNumSuppressedIntervals [Rsl Div Link HDNum Suppressed Intervals] (pmRSLDivLinkHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivLinkHDPeriodEndTime [Rsl Div Link HDPeriod End Time] (pmRSLDivLinkHDPeriodEndTime)	long	The 0 value indicates the null value.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkHDSuspectIntervalFlag [Rsl Div Link HDSuspect Interval Flag] (pmRSLDivLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLDivLinkHistoryDataStats15Min</p> <p>MIB entry name: opticsIMRSLDivLinkHistoryDataEntry</p> <p>Entry description: An entry of the RSLDivLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLDivLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLDivLinkHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLDivLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rslDivLinkHDAverageLeveldBm [Rsl Div Link HDAverage LeveldBm] (pmRSLDivLinkHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkHDElapsedTime [Rsl Div Link HDElapsed Time] (pmRSLDivLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rslDivLinkHDGranularityPeriod [Rsl Div Link HDGranularity Period] (pmRSLDivLinkHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkHDMaximumLeveldBm [Rsl Div Link HDMaximum LevelBm] (pmRSLDivLinkHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkHDMinimumLeveldBm [Rsl Div Link HDMinimum LevelBm] (pmRSLDivLinkHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rslDivLinkHDNumSuppressedIntervals [Rsl Div Link HDNum Suppressed Intervals] (pmRSLDivLinkHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivLinkHDPeriodEndTime [Rsl Div Link HDPeriod End Time] (pmRSLDivLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
rslDivLinkHDSuspectIntervalFlag [Rsl Div Link HDSuspect Interval Flag] (pmRSLDivLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLDivLinkHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMRSLDivLinkHistoryDataEntry</p> <p>Entry description: An entry of the RSLDivLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLDivLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLDivLinkHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLDivLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rsDivLinkHDAverageLeveldBm [Rsl Div Link HDAverage LeveldBm] (pmRSLDivLinkHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsDivLinkHDElapsedTime [Rsl Div Link HDElapsed Time] (pmRSLDivLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsDivLinkHDGranularityPeriod [Rsl Div Link HDGranularity Period] (pmRSLDivLinkHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsDivLinkHDMaximumLeveldBm [Rsl Div Link HDMaximum LeveldBm] (pmRSLDivLinkHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsDivLinkHDMinimumLeveldBm [Rsl Div Link HDMinimum LeveldBm] (pmRSLDivLinkHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslDivLinkHDNumSuppressedIntervals [Rsl Div Link HDNum Suppressed Intervals] (pmRSLDivLinkHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rslDivLinkHDPeriodEndTime [Rsl Div Link HDPeriod End Time] (pmRSLDivLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
rslDivLinkHDSuspectIntervalFlag [Rsl Div Link HDSuspect Interval Flag] (pmRSLDivLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLHopCurrentDataStats</p> <p>MIB entry name: opticsIMRSLHopCurrentDataEntry</p> <p>Entry description: An entry of the RSLHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsIHopCDAsapIndex [Rsl Hop CDAsap Index] (pmRSLHopCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rsIHopCDAverageLeveldBm [Rsl Hop CDAverage LeveldBm] (pmRSLHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopCDElapsedTime [Rsl Hop CDElapsed Time] (pmRSLHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopCDMaxSuppressedIntervals [Rsl Hop CDMax Suppressed Intervals] (pmRSLHopCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rsIHopCDMaximumLeveldBm [Rsl Hop CDMaximum Level dBm] (pmRSLHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopCDMinimumLeveldBm [Rsl Hop CDMinimum Level dBm] (pmRSLHopCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopCDNumSuppressedIntervals [Rsl Hop CDNum Suppressed Intervals] (pmRSLHopCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rslHopCDSuspectIntervalFlag [Rsl Hop CDSuspect Interval Flag] (pmRSLHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLHopCurrentDataStats15Min</p> <p>MIB entry name: opticsIMRSLHopCurrentDataEntry</p> <p>Entry description: An entry of the RSLHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rslHopCDAsapIndex [Rsl Hop CDAsap Index] (pmRSLHopCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rslHopCDAverageLeveldBm [Rsl Hop CDAverage LeveldBm] (pmRSLHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopCDElapsedTime [Rsl Hop CDElapsed Time] (pmRSLHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsIHopCDGranularityPeriod [Rsl Hop CDGranularity Period] (pmRSLHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsIHopCDMaxSuppressedIntervals [Rsl Hop CDMax Suppressed Intervals] (pmRSLHopCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rsIHopCDMaximumLeveldBm [Rsl Hop CDMaximum Level dBm] (pmRSLHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopCDMinimumLeveldBm [Rsl Hop CDMinimum Level dBm] (pmRSLHopCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopCDNumSuppressedIntervals [Rsl Hop CDNum Suppressed Intervals] (pmRSLHopCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsIHopCDSuspectIntervalFlag [Rsl Hop CDSuspect Interval Flag] (pmRSLHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLHopCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMRSLHopCurrentDataEntry</p> <p>Entry description: An entry of the RSLHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopCDAsapIndex [Rsl Hop CDAsap Index] (pmRSLHopCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rsIHopCDAverageLeveldBm [Rsl Hop CDAverage LeveldBm] (pmRSLHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopCDElapsedTime [Rsl Hop CDElapsed Time] (pmRSLHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsIHopCDGranularityPeriod [Rsl Hop CDGranularity Period] (pmRSLHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsIHopCDMaxSuppressedIntervals [Rsl Hop CDMax Suppressed Intervals] (pmRSLHopCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rsIHopCDMaximumLeveldBm [Rsl Hop CDMaximum LeveldBm] (pmRSLHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopCDMinimumLeveldBm [Rsl Hop CDMinimum LeveldBm] (pmRSLHopCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopCDNumSuppressedIntervals [Rsl Hop CDNum Suppressed Intervals] (pmRSLHopCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsIHopCDSuspectIntervalFlag [Rsl Hop CDSuspect Interval Flag] (pmRSLHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLHopHistoryDataStats</p> <p>MIB entry name: opticsIMRSLHopHistoryDataEntry</p> <p>Entry description: An entry of the RSLHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsIHopHDAverageLeveldBm [Rsl Hop HDAverage Level Bm] (pmRSLHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopHDElapsedTime [Rsl Hop HDElapsed Time] (pmRSLHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsIHopHDMaximumLeveldBm [Rsl Hop HDMaximum Level Bm] (pmRSLHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopHDMinimumLeveldBm [Rsl Hop HDMinimum Level Bm] (pmRSLHopHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopHDNumSuppressedIntervals [Rsl Hop HDNum Suppressed Intervals] (pmRSLHopHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsIHopHDPeriodEndTime [Rsl Hop HDPeriod End Time] (pmRSLHopHDPeriodEndTime)	long	The 0 value indicates the null value.
rsIHopHDSuspectIntervalFlag [Rsl Hop HDSuspect Interval Flag] (pmRSLHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLHopHistoryDataStats15Min</p> <p>MIB entry name: opticsIMRSLHopHistoryDataEntry</p> <p>Entry description: An entry of the RSLHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsIHopHDAverageLeveldBm [Rsl Hop HDAverage LeveldBm] (pmRSLHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopHDElapsedTime [Rsl Hop HDElapsed Time] (pmRSLHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsIHopHDGranularityPeriod [Rsl Hop HDGranularity Period] (pmRSLHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsIHopHDMaximumLeveldBm [Rsl Hop HDMaximum LeveldBm] (pmRSLHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopHDMinimumLeveldBm [Rsl Hop HDMinimum LeveldBm] (pmRSLHopHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopHDNumSuppressedIntervals [Rsl Hop HDNum Suppressed Intervals] (pmRSLHopHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsIHopHDPeriodEndTime [Rsl Hop HDPeriod End Time] (pmRSLHopHDPeriodEndTime)	long	The 0 value indicates the null value.
rsIHopHDSuspectIntervalFlag [Rsl Hop HDSuspect Interval Flag] (pmRSLHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLHopHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMRSLHopHistoryDataEntry</p> <p>Entry description: An entry of the RSLHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsIHopHDAverageLeveldBm [Rsl Hop HDAverage LeveldBm] (pmRSLHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopHDElapsedTime [Rsl Hop HDElapsed Time] (pmRSLHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsIHopHDGranularityPeriod [Rsl Hop HDGranularity Period] (pmRSLHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsIHopHDMaximumLeveldBm [Rsl Hop HDMaximum LeveldBm] (pmRSLHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsIHopHDMinimumLeveldBm [Rsl Hop HDMinimum LeveldBm] (pmRSLHopHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsIHopHDNumSuppressedIntervals [Rsl Hop HDNum Suppressed Intervals] (pmRSLHopHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsIHopHDPeriodEndTime [Rsl Hop HDPeriod End Time] (pmRSLHopHDPeriodEndTime)	long	The 0 value indicates the null value.
rsIHopHDSuspectIntervalFlag [Rsl Hop HDSuspect Interval Flag] (pmRSLHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLLinkCurrentDataStats</p> <p>MIB entry name: opticsIMRSLLinkCurrentDataEntry</p> <p>Entry description: An entry of the RSLLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLLinkCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsLinkCDAsapIndex [Rsl Link CDAsap Index] (pmRSLLinkCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rsLinkCDAverageLeveldBm [Rsl Link CDAverage LeveldBm] (pmRSLLinkCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkCDElapsedTime [Rsl Link CDElapsed Time] (pmRSLLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkCDMaxSuppressedIntervals [Rsl Link CDMax Suppressed Intervals] (pmRSLLinkCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rsLinkCDMaximumLeveldBm [Rsl Link CDMaximum LeveldBm] (pmRSLLinkCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkCDMinimumLeveldBm [Rsl Link CDMinimum LeveldBm] (pmRSLLinkCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkCDNumSuppressedIntervals [Rsl Link CDNum Suppressed Intervals] (pmRSLLinkCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkCDSuspectIntervalFlag [Rsl Link CDSuspect Interval Flag] (pmRSLLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLLinkCurrentDataStats15Min</p> <p>MIB entry name: opticsIMRSLLinkCurrentDataEntry</p> <p>Entry description: An entry of the RSLLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLLinkCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsLinkCDAsapIndex [Rsl Link CDAsap Index] (pmRSLLinkCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rsLinkCDAverageLeveldBm [Rsl Link CDAverage LeveldBm] (pmRSLLinkCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkCDElapsedTime [Rsl Link CDElapsed Time] (pmRSLLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsLinkCDGranularityPeriod [Rsl Link CDGranularity Period] (pmRSLLinkCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsLinkCDMaxSuppressedIntervals [Rsl Link CDMax Suppressed Intervals] (pmRSLLinkCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rsLinkCDMaximumLeveldBm [Rsl Link CDMaximum LeveldBm] (pmRSLLinkCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkCDMinimumLeveldBm [Rsl Link CDMinimum LeveldBm] (pmRSLLinkCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkCDNumSuppressedIntervals [Rsl Link CDNum Suppressed Intervals] (pmRSLLinkCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsLinkCDSuspectIntervalFlag [Rsl Link CDSuspect Interval Flag] (pmRSLLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RSLLinkCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMRSLLinkCurrentDataEntry</p> <p>Entry description: An entry of the RSLLinkCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRSLLinkCurrentDataTable): This table contains the current data for the Performance Monitoring of Receive Signal level at Radio Link level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkCDAsapIndex [Rsl Link CDAsap Index] (pmRSLinkCDAsapIndex)	long	It indicates the ASAP object associated to this CD.
rsLinkCDAverageLeveldBm [Rsl Link CDAverage LeveldBm] (pmRSLinkCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkCDElapsedTime [Rsl Link CDElapsed Time] (pmRSLinkCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsLinkCDGranularityPeriod [Rsl Link CDGranularity Period] (pmRSLinkCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsLinkCDMaxSuppressedIntervals [Rsl Link CDMax Suppressed Intervals] (pmRSLinkCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
rsLinkCDMaximumLeveldBm [Rsl Link CDMaximum LeveldBm] (pmRSLinkCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkCDMinimumLeveldBm [Rsl Link CDMinimum LevelBm] (pmRSLLinkCDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm
rsLinkCDNumSuppressedIntervals [Rsl Link CDNum Suppressed Intervals] (pmRSLLinkCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsLinkCDSuspectIntervalFlag [Rsl Link CDSuspect Interval Flag] (pmRSLLinkCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLLinkHistoryDataStats</p> <p>MIB entry name: opticsIMRSLLinkHistoryDataEntry</p> <p>Entry description: An entry of the RSLLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLLinkHDAverageLevel). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsLinkHDAverageLeveldBm [Rsl Link HDAverage Level Bm] (pmRSLLinkHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkHDElapsedTime [Rsl Link HDElapsed Time] (pmRSLLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsLinkHDMaximumLeveldBm [Rsl Link HDMaximum Level Bm] (pmRSLLinkHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkHDMinimumLeveldBm [Rsl Link HDMinimum Level Bm] (pmRSLLinkHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkHDNumSuppressedIntervals [Rsl Link HDNum Suppressed Intervals] (pmRSLLinkHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsLinkHDPeriodEndTime [Rsl Link HDPeriod End Time] (pmRSLLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
rsLinkHDSuspectIntervalFlag [Rsl Link HDSuspect Interval Flag] (pmRSLLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLLinkHistoryDataStats15Min</p> <p>MIB entry name: opticsIMRSLLinkHistoryDataEntry</p> <p>Entry description: An entry of the RSLLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLLinkHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsLinkHDAverageLeveldBm [Rsl Link HDAverage Level dBm] (pmRSLLinkHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkHDElapsedTime [Rsl Link HDElapsed Time] (pmRSLLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsLinkHDGranularityPeriod [Rsl Link HDGranularity Period] (pmRSLLinkHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsLinkHDMaximumLeveldBm [Rsl Link HDMaximum Level dBm] (pmRSLLinkHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkHDMinimumLeveldBm [Rsl Link HDMinimum Level dBm] (pmRSLLinkHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkHDNumSuppressedIntervals [Rsl Link HDNum Suppressed Intervals] (pmRSLLinkHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsLinkHDPeriodEndTime [Rsl Link HDPeriod End Time] (pmRSLLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
rsLinkHDSuspectIntervalFlag [Rsl Link HDSuspect Interval Flag] (pmRSLLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RSLLinkHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMRSLLinkHistoryDataEntry</p> <p>Entry description: An entry of the RSLLinkHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRSLLinkHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRSLLinkHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRSLLinkHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Link level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
rsLinkHDAverageLeveldBm [Rsl Link HDAverage Level dBm] (pmRSLLinkHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkHDElapsedTime [Rsl Link HDElapsed Time] (pmRSLLinkHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsLinkHDGranularityPeriod [Rsl Link HDGranularity Period] (pmRSLLinkHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsLinkHDMaximumLeveldBm [Rsl Link HDMaximum Level dBm] (pmRSLLinkHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
rsLinkHDMinimumLeveldBm [Rsl Link HDMinimum Level dBm] (pmRSLLinkHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsLinkHDNumSuppressedIntervals [Rsl Link HDNum Suppressed Intervals] (pmRSLLinkHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsLinkHDPeriodEndTime [Rsl Link HDPeriod End Time] (pmRSLLinkHDPeriodEndTime)	long	The 0 value indicates the null value.
rsLinkHDSuspectIntervalFlag [Rsl Link HDSuspect Interval Flag] (pmRSLLinkHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>RadioAnalogueMeasure</p> <p>MIB entry name: opticsIMRadioAnalogueMeasuresEntry</p> <p>Entry description: An entry of the analogue measurements table. Each entry corresponds to a Radio Synchronous or Plesiochronous Physical Interface (RSPI or RPPI).</p> <p>Table description (for opticsIMRadioAnalogueMeasuresTable): This table contains the radio analogue measurements.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface • mwa.PortTermination 		

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
localRxDivPowerdBm [Local Rx Div Powerd Bm] (analogueMeasuresLocalRxDivPower)	double	This object is used to represent the power at the input of the local diversity receiver in case of space diversity configuration with combiner function in base band. It is a negative integer with associated measure unit expressed in decade of dBm.
localRxMainPowerdBm [Local Rx Main Powerd Bm] (analogueMeasuresLocalRxMainPower)	double	This object represents the local received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the local main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
localTxPowerdBm [Local Tx Powerd Bm] (analogueMeasuresLocalTxPower)	double	This object represents the local transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.
remoteRxDivPowerdBm [Remote Rx Div Powerd Bm] (analogueMeasuresRemoteRxDivPower)	double	This object is used to represent the power at the input of the remote diversity receiver in case of space diversity configuration with combiner function in base band. It is a negative integer with associated measure unit expressed in decade of dBm.
remoteRxMainPowerdBm [Remote Rx Main Powerd Bm] (analogueMeasuresRemoteRxMainPower)	double	This object represents the remote received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the remote main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
remoteTxPowerdBm [Remote Tx Powerd Bm] (analogueMeasuresRemoteTxPower)	double	This object represents the remote transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TSLHopCurrentDataStats</p> <p>MIB entry name: opticsIMTSLHopCurrentDataEntry</p> <p>Entry description: An entry of the TSLHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMTSLHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Transmit Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
tslHopCDAverageLeveldBm [Tsl Hop CDAverage LeveldBm] (pmTSLHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDElapsedTime [Tsl Hop CDElapsed Time] (pmTSLHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopCDMaxSuppressedIntervals [Tsl Hop CDMax Suppressed Intervals] (pmTSLHopCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
tslHopCDMaximumLeveldBm [Tsl Hop CDMaximum Level dBm] (pmTSLHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDMinimumLeveldBm [Tsl Hop CDMinimum Level dBm] (pmTSLHopCDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDNumSuppressedIntervals [Tsl Hop CDNum Suppressed Intervals] (pmTSLHopCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopCDSuspectIntervalFlag [Tsl Hop CDSuspect Interval Flag] (pmTSLHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>TSLHopCurrentDataStats15Min</p> <p>MIB entry name: opticsIMTSLHopCurrentDataEntry</p> <p>Entry description: An entry of the TSLHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMTSLHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Transmit Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
tslHopCDAverageLeveldBm [Tsl Hop CDAverage Level dBm] (pmTSLHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDElapsedTime [Tsl Hop CDElapsed Time] (pmTSLHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopCDGranularityPeriod [Tsl Hop CDGranularity Period] (pmTSLHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
tslHopCDMaxSuppressedIntervals [Tsl Hop CDMax Suppressed Intervals] (pmTSLHopCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
tslHopCDMaximumLeveldBm [Tsl Hop CDMaximum LevelBm] (pmTSLHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDMinimumLeveldBm [Tsl Hop CDMinimum LevelBm] (pmTSLHopCDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm
tslHopCDNumSuppressedIntervals [Tsl Hop CDNum Suppressed Intervals] (pmTSLHopCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopCDSuspectIntervalFlag [Tsl Hop CDSuspect Interval Flag] (pmTSLHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>TSLHopCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMTSLHopCurrentDataEntry</p> <p>Entry description: An entry of the TSLHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMTSLHopCurrentDataTable): This table contains the current data for the Performance Monitoring of Transmit Signal level at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
tslHopCDAverageLeveldBm [Tsl Hop CDAverage LevelBm] (pmTSLHopCDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDElapsedTime [Tsl Hop CDElapsed Time] (pmTSLHopCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopCDGranularityPeriod [Tsl Hop CDGranularity Period] (pmTSLHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
tslHopCDMaxSuppressedIntervals [Tsl Hop CDMax Suppressed Intervals] (pmTSLHopCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
tslHopCDMaximumLeveldBm [Tsl Hop CDMaximum LevelBm] (pmTSLHopCDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopCDMinimumLeveldBm [Tsl Hop CDMinimum LevelBm] (pmTSLHopCDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm
tslHopCDNumSuppressedIntervals [Tsl Hop CDNum Suppressed Intervals] (pmTSLHopCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopCDSuspectIntervalFlag [Tsl Hop CDSuspect Interval Flag] (pmTSLHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>TSLHopHistoryDataStats</p> <p>MIB entry name: opticsIMTSLHopHistoryDataEntry</p> <p>Entry description: An entry of the TSLHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMTSLHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmTSLHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMTSLHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
tslHopHDAverageLeveldBm [Tsl Hop HDAverage LevelBm] (pmTSLHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDElapsedTime [Tsl Hop HDElapsed Time] (pmTSLHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tslHopHDMaximumLeveldBm [Tsl Hop HDMaximum LeveldBm] (pmTSLHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDMinimumLeveldBm [Tsl Hop HDMinimum LeveldBm] (pmTSLHopHDMinimumLevel)	double	The minimum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDNumSuppressedIntervals [Tsl Hop HDNum Suppressed Intervals] (pmTSLHopHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
tslHopHDPeriodEndTime [Tsl Hop HDPeriod End Time] (pmTSLHopHDPeriodEndTime)	long	The 0 value indicates the null value.
tslHopHDSuspectIntervalFlag [Tsl Hop HDSuspect Interval Flag] (pmTSLHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TSLHopHistoryDataStats15Min</p> <p>MIB entry name: opticsIMTSLHopHistoryDataEntry</p> <p>Entry description: An entry of the TSLHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMTSLHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmTSLHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMTSLHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
tslHopHDAverageLeveldBm [Tsl Hop HDAverage LeveldBm] (pmTSLHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDElapsedTime [Tsl Hop HDElapsed Time] (pmTSLHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
tslHopHDGranularityPeriod [Tsl Hop HDGranularity Period] (pmTSLHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
tslHopHDMaximumLeveldBm [Tsl Hop HDMaximum LeveldBm] (pmTSLHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDMinimumLeveldBm [Tsl Hop HDMinimum LeveldBm] (pmTSLHopHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tsIHopHDNumSuppressedIntervals [Tsl Hop HDNum Suppressed Intervals] (pmTSLHopHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
tsIHopHDPeriodEndTime [Tsl Hop HDPeriod End Time] (pmTSLHopHDPeriodEndTime)	long	The 0 value indicates the null value.
tsIHopHDSuspectIntervalFlag [Tsl Hop HDSuspect Interval Flag] (pmTSLHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TSLHopHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMTSLHopHistoryDataEntry</p> <p>Entry description: An entry of the TSLHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMTSLHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmTSLHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMTSLHopHistoryDataTable): This table contains the History Data for the Performance Monitoring of Receive Signal level at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
tslHopHDAverageLeveldBm [Tsl Hop HDAverage LeveldBm] (pmTSLHopHDAverageLevel)	double	The average of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDElapsedTime [Tsl Hop HDElapsed Time] (pmTSLHopHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
tslHopHDGranularityPeriod [Tsl Hop HDGranularity Period] (pmTSLHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
tslHopHDMaximumLeveldBm [Tsl Hop HDMaximum LeveldBm] (pmTSLHopHDMaximumLevel)	double	The maximum of the Signal Level. The associated measure unit expressed in unit of 0.1dBm
tslHopHDMinimumLeveldBm [Tsl Hop HDMinimum LeveldBm] (pmTSLHopHDMinimumLevel)	double	The minimum of the Signal Level.The associated measure unit expressed in unit of 0.1dBm

Table 680 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tsIHopHDNumSuppressedIntervals [Tsl Hop HDNum Suppressed Intervals] (pmTSLHopHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
tsIHopHDPeriodEndTime [Tsl Hop HDPeriod End Time] (pmTSLHopHDPeriodEndTime)	long	The 0 value indicates the null value.
tsIHopHDSuspectIntervalFlag [Tsl Hop HDSuspect Interval Flag] (pmTSLHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 681 sonetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SDHCurrentStats</p> <p>MIB entry name: opticsIMRsMonitoringCurrentDataEntry</p> <p>Entry description: An entry of the SDH regenerator section current data table. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMRsMonitoringCurrentDataTable): This table contains the current data for the not-intrusive SDH Regenerator Section.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
monCDBbe [Mon CDBbe] (pmRsMonitoringCDBbe)	long	The number of BBE.
monCDElapsedTime [Mon CDElapsed Time] (pmRsMonitoringCDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
monCDEs [Mon CDEs] (pmRsMonitoringCDEs)	long	The number of ES.
monCDGranularityPeriod [Mon CDGranularity Period] (pmRsMonitoringCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 681 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
monCDLps [Mon CDLps] (pmRsMonitoringCDLps)	long	The number of LPS.
monCDOfs [Mon CDOfs] (pmRsMonitoringCDOfs)	long	The number of OFS.
monCDSes [Mon CDSes] (pmRsMonitoringCDSes)	long	The number of SES.
monCDUas [Mon CDUas] (pmRsMonitoringCDUas)	long	The number of UAS.
monMaxSuppressedIntervals [Mon Max Suppressed Intervals] (pmRsMonitoringCDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.

Table 681 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
monNumSuppressedIntervals [Mon Num Suppressed Intervals] (pmRsMonitoringCDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
monSuspectIntervalFlag [Mon Suspect Interval Flag] (pmRsMonitoringCDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
<p>SDHhistoryStats</p> <p>MIB entry name: opticsIMRsMonitoringHistoryDataEntry</p> <p>Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMRsHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmRsHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMRsMonitoringHistoryDataTable): This table contains the History data for the not-intrusive SDH Regenerator Section.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
rsMonHDBbe [Rs Mon HDBbe] (pmRsMonitoringHDBbe)	long	The number of BBE.

Table 681 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsMonHDElapsedTime [Rs Mon HDElapsed Time] (pmRsMonitoringHDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
rsMonHDGranularityPeriod [Rs Mon HDGranularity Period] (pmRsMonitoringHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
rsMonHDLps [Rs Mon HDLps] (pmRsMonitoringHDLps)	long	The number of LPS.
rsMonHDNumSuppressedIntervals [Rs Mon HDNum Suppressed Intervals] (pmRsMonitoringHDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
rsMonHDOfs [Rs Mon HDOfs] (pmRsMonitoringHDOfs)	long	The number of OFS.
rsMonHDPPeriodEndTime [Rs Mon HDPPeriod End Time] (pmRsMonitoringHDPPeriodEndTime)	long	The 0 value indicates the null value.
rsMonHDSes [Rs Mon HDSes] (pmRsMonitoringHDSes)	long	The number of SES.

Table 681 sonetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rsMonHDSuspectIntervalFlag [Rs Mon HDSuspect Interval Flag] (pmRsMonitoringHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
rsMonHDUas [Rs Mon HDUas] (pmRsMonitoringHDUas)	long	The number of UAS.

Table 682 tdmequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1CurrentDataStats</p> <p>MIB entry name: opticsIMDs1CurrentDataEntry</p> <p>Entry description: An entry of the Ds1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMDs1CurrentDataTable): This table contains the current data for the Performance Monitoring on Ds1.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1CDBbe [Ds 1 CDBbe] (pmDs1CDBbe)	long	The number of BBE.
ds1CDElapsedTime [Ds 1 CDElapsed Time] (pmDs1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1CDEs [Ds 1 CDEs] (pmDs1CDEs)	long	The number of ES.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDMaxSuppressedIntervals [Ds 1 CDMax Suppressed Intervals] (pmDs1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
ds1CDNumSuppressedIntervals [Ds 1 CDNum Suppressed Intervals] (pmDs1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1CDSes [Ds 1 CDSes] (pmDs1CDSes)	long	The number of SES.
ds1CDSuspectIntervalFlag [Ds 1 CDSuspect Interval Flag] (pmDs1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDUas [Ds 1 CDUas] (pmDs1CDUas)	long	The number of UAS.
<p>DS1CurrentStats15minIn MIB entry name: opticsIMDs1CurrentDataEntry Entry description: An entry of the Ds1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIMDs1CurrentDataTable): This table contains the current data for the Performance Monitoring on Ds1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1CDBbe [Ds 1 CDBbe] (pmDs1CDBbe)	long	The number of BBE.
ds1CDElapsedTime [Ds 1 CDElapsed Time] (pmDs1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1CDEs [Ds 1 CDEs] (pmDs1CDEs)	long	The number of ES.
ds1CDGranularityPeriod [Ds 1 CDGranularity Period] (pmDs1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDMaxSuppressedIntervals [Ds 1 CDMax Suppressed Intervals] (pmDs1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
ds1CDNumSuppressedIntervals [Ds 1 CDNum Suppressed Intervals] (pmDs1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1CDSes [Ds 1 CDSes] (pmDs1CDSes)	long	The number of SES.
ds1CDSuspectIntervalFlag [Ds 1 CDSuspect Interval Flag] (pmDs1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDUas [Ds 1 CDUas] (pmDs1CDUas)	long	The number of UAS.
<p>DS1CurrentStats15minOut MIB entry name: opticsIMDs1CurrentDataEntry Entry description: An entry of the Ds1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIMDs1CurrentDataTable): This table contains the current data for the Performance Monitoring on Ds1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1CDBbe [Ds 1 CDBbe] (pmDs1CDBbe)	long	The number of BBE.
ds1CDElapsedTime [Ds 1 CDElapsed Time] (pmDs1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1CDEs [Ds 1 CDEs] (pmDs1CDEs)	long	The number of ES.
ds1CDGranularityPeriod [Ds 1 CDGranularity Period] (pmDs1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDMaxSuppressedIntervals [Ds 1 CDMax Suppressed Intervals] (pmDs1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
ds1CDNumSuppressedIntervals [Ds 1 CDNum Suppressed Intervals] (pmDs1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1CDSes [Ds 1 CDSes] (pmDs1CDSes)	long	The number of SES.
ds1CDSuspectIntervalFlag [Ds 1 CDSuspect Interval Flag] (pmDs1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDUas [Ds 1 CDUas] (pmDs1CDUas)	long	The number of UAS.
<p>DS1CurrentStats24hrIn MIB entry name: opticsIMDs1CurrentDataEntry Entry description: An entry of the Ds1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIMDs1CurrentDataTable): This table contains the current data for the Performance Monitoring on Ds1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1CDBbe [Ds 1 CDBbe] (pmDs1CDBbe)	long	The number of BBE.
ds1CDElapsedTime [Ds 1 CDElapsed Time] (pmDs1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1CDEs [Ds 1 CDEs] (pmDs1CDEs)	long	The number of ES.
ds1CDGranularityPeriod [Ds 1 CDGranularity Period] (pmDs1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDMaxSuppressedIntervals [Ds 1 CDMax Suppressed Intervals] (pmDs1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
ds1CDNumSuppressedIntervals [Ds 1 CDNum Suppressed Intervals] (pmDs1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1CDSes [Ds 1 CDSes] (pmDs1CDSes)	long	The number of SES.
ds1CDSuspectIntervalFlag [Ds 1 CDSuspect Interval Flag] (pmDs1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDUas [Ds 1 CDUas] (pmDs1CDUas)	long	The number of UAS.
<p>DS1CurrentStats24hrOut MIB entry name: opticsIMDs1CurrentDataEntry Entry description: An entry of the Ds1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIMDs1CurrentDataTable): This table contains the current data for the Performance Monitoring on Ds1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1CDBbe [Ds 1 CDBbe] (pmDs1CDBbe)	long	The number of BBE.
ds1CDElapsedTime [Ds 1 CDElapsed Time] (pmDs1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1CDEs [Ds 1 CDEs] (pmDs1CDEs)	long	The number of ES.
ds1CDGranularityPeriod [Ds 1 CDGranularity Period] (pmDs1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDMaxSuppressedIntervals [Ds 1 CDMax Suppressed Intervals] (pmDs1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
ds1CDNumSuppressedIntervals [Ds 1 CDNum Suppressed Intervals] (pmDs1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1CDSes [Ds 1 CDSes] (pmDs1CDSes)	long	The number of SES.
ds1CDSuspectIntervalFlag [Ds 1 CDSuspect Interval Flag] (pmDs1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1CDUas [Ds 1 CDUas] (pmDs1CDUas)	long	The number of UAS.
<p>DS1HistoryDataStats</p> <p>MIB entry name: opticsIMDs1HistoryDataEntry</p> <p>Entry description: An entry of the Ds1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMDs1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmDs1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMDs1HistoryDataTable): This table contains the History Data for the Performance Monitoring on Ds1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1HDBbe [Ds 1 HDBbe] (pmDs1HDBbe)	long	The number of BBE.
ds1HDElapsedTime [Ds 1 HDElapsed Time] (pmDs1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1HDEs [Ds 1 HDEs] (pmDs1HDEs)	long	The number of ES.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1HDNumSuppressedIntervals [Ds 1 HDNum Suppressed Intervals] (pmDs1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1HDPeriodEndTime [Ds 1 HDPeriod End Time] (pmDs1HDPeriodEndTime)	long	The 0 value indicates the null value.
ds1HDSes [Ds 1 HDSes] (pmDs1HDSes)	long	The number of SES.
ds1HDSuspectIntervalFlag [Ds 1 HDSuspect Interval Flag] (pmDs1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
ds1HDUas [Ds 1 HDUas] (pmDs1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1HistoryStats15minIn</p> <p>MIB entry name: opticsIMDs1HistoryDataEntry</p> <p>Entry description: An entry of the Ds1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMDs1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmDs1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMDs1HistoryDataTable): This table contains the History Data for the Performance Monitoring on Ds1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1HDBbe [Ds 1 HDBbe] (pmDs1HDBbe)	long	The number of BBE.
ds1HDElapsedTime [Ds 1 HDElapsed Time] (pmDs1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1HDEs [Ds 1 HDEs] (pmDs1HDEs)	long	The number of ES.
ds1HDGranularityPeriod [Ds 1 HDGranularity Period] (pmDs1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1HDNumSuppressedIntervals [Ds 1 HDNum Suppressed Intervals] (pmDs1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1HDPeriodEndTime [Ds 1 HDPeriod End Time] (pmDs1HDPeriodEndTime)	long	The 0 value indicates the null value.
ds1HDSes [Ds 1 HDSes] (pmDs1HDSes)	long	The number of SES.
ds1HDSuspectIntervalFlag [Ds 1 HDSuspect Interval Flag] (pmDs1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
ds1HDUas [Ds 1 HDUas] (pmDs1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1HistoryStats15minOut</p> <p>MIB entry name: opticsIMDs1HistoryDataEntry</p> <p>Entry description: An entry of the Ds1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMDs1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmDs1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMDs1HistoryDataTable): This table contains the History Data for the Performance Monitoring on Ds1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1HDBbe [Ds 1 HDBbe] (pmDs1HDBbe)	long	The number of BBE.
ds1HDElapsedTime [Ds 1 HDElapsed Time] (pmDs1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1HDEs [Ds 1 HDEs] (pmDs1HDEs)	long	The number of ES.
ds1HDGranularityPeriod [Ds 1 HDGranularity Period] (pmDs1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1HDNumSuppressedIntervals [Ds 1 HDNum Suppressed Intervals] (pmDs1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1HDPeriodEndTime [Ds 1 HDPeriod End Time] (pmDs1HDPeriodEndTime)	long	The 0 value indicates the null value.
ds1HDSes [Ds 1 HDSes] (pmDs1HDSes)	long	The number of SES.
ds1HDSuspectIntervalFlag [Ds 1 HDSuspect Interval Flag] (pmDs1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
ds1HDUas [Ds 1 HDUas] (pmDs1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1HistoryStats24hrIn</p> <p>MIB entry name: opticsIMDs1HistoryDataEntry</p> <p>Entry description: An entry of the Ds1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMDs1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmDs1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMDs1HistoryDataTable): This table contains the History Data for the Performance Monitoring on Ds1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1HDBbe [Ds 1 HDBbe] (pmDs1HDBbe)	long	The number of BBE.
ds1HDElapsedTime [Ds 1 HDElapsed Time] (pmDs1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1HDEs [Ds 1 HDEs] (pmDs1HDEs)	long	The number of ES.
ds1HDGranularityPeriod [Ds 1 HDGranularity Period] (pmDs1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1HDNumSuppressedIntervals [Ds 1 HDNum Suppressed Intervals] (pmDs1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1HDPeriodEndTime [Ds 1 HDPeriod End Time] (pmDs1HDPeriodEndTime)	long	The 0 value indicates the null value.
ds1HDSes [Ds 1 HDSes] (pmDs1HDSes)	long	The number of SES.
ds1HDSuspectIntervalFlag [Ds 1 HDSuspect Interval Flag] (pmDs1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
ds1HDUas [Ds 1 HDUas] (pmDs1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DS1HistoryStats24hrOut</p> <p>MIB entry name: opticsIMDs1HistoryDataEntry</p> <p>Entry description: An entry of the Ds1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMDs1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmDs1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMDs1HistoryDataTable): This table contains the History Data for the Performance Monitoring on Ds1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
ds1HDBbe [Ds 1 HDBbe] (pmDs1HDBbe)	long	The number of BBE.
ds1HDElapsedTime [Ds 1 HDElapsed Time] (pmDs1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
ds1HDEs [Ds 1 HDEs] (pmDs1HDEs)	long	The number of ES.
ds1HDGranularityPeriod [Ds 1 HDGranularity Period] (pmDs1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ds1HDNumSuppressedIntervals [Ds 1 HDNum Suppressed Intervals] (pmDs1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
ds1HDPeriodEndTime [Ds 1 HDPeriod End Time] (pmDs1HDPeriodEndTime)	long	The 0 value indicates the null value.
ds1HDSes [Ds 1 HDSes] (pmDs1HDSes)	long	The number of SES.
ds1HDSuspectIntervalFlag [Ds 1 HDSuspect Interval Flag] (pmDs1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
ds1HDUas [Ds 1 HDUas] (pmDs1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>E1CurrentDataStats</p> <p>MIB entry name: opticsIME1CurrentDataEntry</p> <p>Entry description: An entry of the E1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIME1CurrentDataTable): This table contains the current data for the Performance Monitoring on E1.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1CDBbe [E1 CDBbe] (pmE1CDBbe)	long	The number of BBE.
e1CDElapsedTime [E1 CDElapsed Time] (pmE1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1CDEs [E1 CDEs] (pmE1CDEs)	long	The number of ES.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDMaxSuppressedIntervals [E1 CDMax Suppressed Intervals] (pmE1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
e1CDNumSuppressedIntervals [E1 CDNum Suppressed Intervals] (pmE1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1CDSes [E1 CDSes] (pmE1CDSes)	long	The number of SES.
e1CDSuspectIntervalFlag [E1 CDSuspect Interval Flag] (pmE1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDUas [E1 CDUas] (pmE1CDUas)	long	The number of UAS.
<p>E1CurrentStats15minIn MIB entry name: opticsIME1CurrentDataEntry Entry description: An entry of the E1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIME1CurrentDataTable): This table contains the current data for the Performance Monitoring on E1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1CDBbe [E1 CDBbe] (pmE1CDBbe)	long	The number of BBE.
e1CDElapsedTime [E1 CDElapsed Time] (pmE1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1CDEs [E1 CDEs] (pmE1CDEs)	long	The number of ES.
e1CDGranularityPeriod [E1 CDGranularity Period] (pmE1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDMaxSuppressedIntervals [E1 CDMax Suppressed Intervals] (pmE1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
e1CDNumSuppressedIntervals [E1 CDNum Suppressed Intervals] (pmE1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1CDSes [E1 CDSes] (pmE1CDSes)	long	The number of SES.
e1CDSuspectIntervalFlag [E1 CDSuspect Interval Flag] (pmE1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDUas [E1 CDUas] (pmE1CDUas)	long	The number of UAS.
<p>E1CurrentStats15minOut</p> <p>MIB entry name: opticsIME1CurrentDataEntry</p> <p>Entry description: An entry of the E1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIME1CurrentDataTable): This table contains the current data for the Performance Monitoring on E1.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1CDBbe [E1 CDBbe] (pmE1CDBbe)	long	The number of BBE.
e1CDElapsedTime [E1 CDElapsed Time] (pmE1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1CDEs [E1 CDEs] (pmE1CDEs)	long	The number of ES.
e1CDGranularityPeriod [E1 CDGranularity Period] (pmE1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDMaxSuppressedIntervals [E1 CDMax Suppressed Intervals] (pmE1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
e1CDNumSuppressedIntervals [E1 CDNum Suppressed Intervals] (pmE1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1CDSes [E1 CDSes] (pmE1CDSes)	long	The number of SES.
e1CDSuspectIntervalFlag [E1 CDSuspect Interval Flag] (pmE1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDUas [E1 CDUas] (pmE1CDUas)	long	The number of UAS.
<p>E1CurrentStats24hrIn MIB entry name: opticsIME1CurrentDataEntry Entry description: An entry of the E1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIME1CurrentDataTable): This table contains the current data for the Performance Monitoring on E1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1CDBbe [E1 CDBbe] (pmE1CDBbe)	long	The number of BBE.
e1CDElapsedTime [E1 CDElapsed Time] (pmE1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1CDEs [E1 CDEs] (pmE1CDEs)	long	The number of ES.
e1CDGranularityPeriod [E1 CDGranularity Period] (pmE1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDMaxSuppressedIntervals [E1 CDMax Suppressed Intervals] (pmE1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
e1CDNumSuppressedIntervals [E1 CDNum Suppressed Intervals] (pmE1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1CDSes [E1 CDSes] (pmE1CDSes)	long	The number of SES.
e1CDSuspectIntervalFlag [E1 CDSuspect Interval Flag] (pmE1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDUas [E1 CDUas] (pmE1CDUas)	long	The number of UAS.
<p>E1CurrentStats24hrOut MIB entry name: opticsIME1CurrentDataEntry Entry description: An entry of the E1CurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIME1CurrentDataTable): This table contains the current data for the Performance Monitoring on E1. Supports realtime plotting Supports scheduled collection Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1CDBbe [E1 CDBbe] (pmE1CDBbe)	long	The number of BBE.
e1CDElapsedTime [E1 CDElapsed Time] (pmE1CDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1CDEs [E1 CDEs] (pmE1CDEs)	long	The number of ES.
e1CDGranularityPeriod [E1 CDGranularity Period] (pmE1CDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDMaxSuppressedIntervals [E1 CDMax Suppressed Intervals] (pmE1CDMaxSuppressedIntervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.
e1CDNumSuppressedIntervals [E1 CDNum Suppressed Intervals] (pmE1CDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1CDSes [E1 CDSes] (pmE1CDSes)	long	The number of SES.
e1CDSuspectIntervalFlag [E1 CDSuspect Interval Flag] (pmE1CDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1CDUas [E1 CDUas] (pmE1CDUas)	long	The number of UAS.
<p>E1HistoryDataStats</p> <p>MIB entry name: opticsIME1HistoryDataEntry</p> <p>Entry description: An entry of the E1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIME1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmE1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIME1HistoryDataTable): This table contains the History Data for the Performance Monitoring on E1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1HDBbe [E1 HDBbe] (pmE1HDBbe)	long	The number of BBE.
e1HDElapsedTime [E1 HDElapsed Time] (pmE1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1HDEs [E1 HDEs] (pmE1HDEs)	long	The number of ES.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1HDNumSuppressedIntervals [E1 HDNum Suppressed Intervals] (pmE1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1HDPeriodEndTime [E1 HDPeriod End Time] (pmE1HDPeriodEndTime)	long	The 0 value indicates the null value.
e1HDSes [E1 HDSes] (pmE1HDSes)	long	The number of SES.
e1HDSuspectIntervalFlag [E1 HDSuspect Interval Flag] (pmE1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
e1HDUas [E1 HDUas] (pmE1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>E1HistoryStats15minIn</p> <p>MIB entry name: opticsIME1HistoryDataEntry</p> <p>Entry description: An entry of the E1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIME1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmE1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIME1HistoryDataTable): This table contains the History Data for the Performance Monitoring on E1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1HDBbe [E1 HDBbe] (pmE1HDBbe)	long	The number of BBE.
e1HDElapsedTime [E1 HDElapsed Time] (pmE1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1HDEs [E1 HDEs] (pmE1HDEs)	long	The number of ES.
e1HDGranularityPeriod [E1 HDGranularity Period] (pmE1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1HDNumSuppressedIntervals [E1 HDNum Suppressed Intervals] (pmE1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1HDPeriodEndTime [E1 HDPeriod End Time] (pmE1HDPeriodEndTime)	long	The 0 value indicates the null value.
e1HDSes [E1 HDSes] (pmE1HDSes)	long	The number of SES.
e1HDSuspectIntervalFlag [E1 HDSuspect Interval Flag] (pmE1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
e1HDUas [E1 HDUas] (pmE1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>E1HistoryStats15minOut</p> <p>MIB entry name: opticsIME1HistoryDataEntry</p> <p>Entry description: An entry of the E1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIME1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmE1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIME1HistoryDataTable): This table contains the History Data for the Performance Monitoring on E1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1HDBbe [E1 HDBbe] (pmE1HDBbe)	long	The number of BBE.
e1HDElapsedTime [E1 HDElapsed Time] (pmE1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1HDEs [E1 HDEs] (pmE1HDEs)	long	The number of ES.
e1HDGranularityPeriod [E1 HDGranularity Period] (pmE1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1HDNumSuppressedIntervals [E1 HDNum Suppressed Intervals] (pmE1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1HDPeriodEndTime [E1 HDPeriod End Time] (pmE1HDPeriodEndTime)	long	The 0 value indicates the null value.
e1HDSes [E1 HDSes] (pmE1HDSes)	long	The number of SES.
e1HDSuspectIntervalFlag [E1 HDSuspect Interval Flag] (pmE1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
e1HDUas [E1 HDUas] (pmE1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>E1HistoryStats24hrIn</p> <p>MIB entry name: opticsIME1HistoryDataEntry</p> <p>Entry description: An entry of the E1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIME1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmE1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIME1HistoryDataTable): This table contains the History Data for the Performance Monitoring on E1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1HDBbe [E1 HDBbe] (pmE1HDBbe)	long	The number of BBE.
e1HDElapsedTime [E1 HDElapsed Time] (pmE1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1HDEs [E1 HDEs] (pmE1HDEs)	long	The number of ES.
e1HDGranularityPeriod [E1 HDGranularity Period] (pmE1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1HDNumSuppressedIntervals [E1 HDNum Suppressed Intervals] (pmE1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1HDPeriodEndTime [E1 HDPeriod End Time] (pmE1HDPeriodEndTime)	long	The 0 value indicates the null value.
e1HDSes [E1 HDSes] (pmE1HDSes)	long	The number of SES.
e1HDSuspectIntervalFlag [E1 HDSuspect Interval Flag] (pmE1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
e1HDUas [E1 HDUas] (pmE1HDUas)	long	The number of UAS.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>E1HistoryStats24hrOut</p> <p>MIB entry name: opticsIME1HistoryDataEntry</p> <p>Entry description: An entry of the E1HistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIME1HistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmE1HDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIME1HistoryDataTable): This table contains the History Data for the Performance Monitoring on E1 level</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: tdmequipment.DS1E1PortSpecifics</p>		
e1HDBbe [E1 HDBbe] (pmE1HDBbe)	long	The number of BBE.
e1HDElapsedTime [E1 HDElapsed Time] (pmE1HDElapsedTime)	long	It specifies the amount of time, measured in units of 0.01 second, that statistics for this entry (the current interval) have been counted.
e1HDEs [E1 HDEs] (pmE1HDEs)	long	The number of ES.
e1HDGranularityPeriod [E1 HDGranularity Period] (pmE1HDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 682 tdmequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
e1HDNumSuppressedIntervals [E1 HDNum Suppressed Intervals] (pmE1HDNumSuppressedIntervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
e1HDPeriodEndTime [E1 HDPeriod End Time] (pmE1HDPeriodEndTime)	long	The 0 value indicates the null value.
e1HDSes [E1 HDSes] (pmE1HDSes)	long	The number of SES.
e1HDSuspectIntervalFlag [E1 HDSuspect Interval Flag] (pmE1HDSuspectIntervalFlag)	long	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
e1HDUas [E1 HDUas] (pmE1HDUas)	long	The number of UAS.

34 9500 MPRe performance statistics counters

34.1 Performance statistics counters

34.1.1 Counters

Table 683 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AggrMaintRxStats MIB entry name: ethAggrMaintRxEntry Entry description: An entry of received aggregates maintenance counters table. Table description (for ethAggrMaintRxTable): This table contains received aggregates maintenance counters. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
aggrMaintRxRetrievingTime [Aggr Maint Rx Retrieving Time] (ethAggrMaintRxRetrievingTime)	long	The NE time when counters are retrieved cause a maintenance action
aggrMaintRxTDF [Aggr Maint Rx TDF] (ethAggrMaintRxTDF)	java. math. BigInteger	Total number of Ethernet frames which where chosen to be discarded due to buffer congestion
aggrMaintRxTRCF [Aggr Maint Rx TRCF] (ethAggrMaintRxTRCF)	java. math. BigInteger	The number of Ethernet frames received correctly by the Virtual Ethernet Interface.
aggrMaintRxTRCFBroadcast [Aggr Maint Rx TRCFBroadcast] (ethAggrMaintRxTRCFBroadcast)	java. math. BigInteger	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets. This behavior is the same performed by the counter etherStatsBroadcastPkts in the IETF RMON-MIB published as RFC 2819
aggrMaintRxTRCFMulticast [Aggr Maint Rx TRCFMulticast] (ethAggrMaintRxTRCFMulticast)	java. math. BigInteger	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address. This behavior is the same performed by the counter etherStatsMulticastPkts in the IETF RMON-MIB published as RFC 2819

Table 683 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggrMaintRxTRCFUnicast [Aggr Maint Rx TRCFUnicast] (ethAggrMaintRxTRCFUnicast)	java. math. BigInteger	The number of Ethernet Unicast frames received correctly by the Virtual Ethernet Interface.
aggrMaintRxTRCO [Aggr Maint Rx TRCO] (ethAggrMaintRxTRCO)	java. math. BigInteger	The number of octets of Ethernet frames received correctly by the Virtual Ethernet Interface, including Ethernet headers characters
aggrMaintRxTRSEF [Aggr Maint Rx TRSEF] (ethAggrMaintRxTRSEF)	java. math. BigInteger	This object is the sum of three contributions dot3StatsAlignmentErrors, dot3StatsFCSErrors and dot3StatsFrameTooLongs
<p>AggrMaintTxStats</p> <p>MIB entry name: ethAggrMaintTxEntry</p> <p>Entry description: An entry of transmitted aggregate maintenance counters table.</p> <p>Table description (for ethAggrMaintTxTable): This table contains transmitted aggregates maintenance counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface • lag.Interface 		
aggrMaintCompressedTxTTO [Aggr Maint Compressed Tx TTO] (ethAggrMaintCompressedTxTTO)	java. math. BigInteger	The number of Ethernet octets at the egress of the compression module transmitted out by the Virtual Ethernet Interface
aggrMaintTxRetrievingTime [Aggr Maint Tx Retrieving Time] (ethAggrMaintTxRetrievingTime)	long	The NE time when counters are retrieved cause a maintenance action

Table 683 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggrMaintTxTDF [Aggr Maint Tx TDF] (ethAggrMaintTxTDF)	java. math. BigInteger	Total number of Ethernet frames which were chosen to be discarded due to buffer congestion
aggrMaintTxTTF [Aggr Maint Tx TTF] (ethAggrMaintTxTTF)	java. math. BigInteger	The number of Ethernet frames transmitted out by the Virtual Ethernet Interface.
aggrMaintTxTTFBroadcast [Aggr Maint Tx TTFBroadcast] (ethAggrMaintTxTTFBroadcast)	java. math. BigInteger	The number of good packets transmitted by this address that were directed to the broadcast address. This behavior is the same performed by the counter hostOutBroadcastPkts in the IETF RMON-MIB published as RFC 2819.
aggrMaintTxTTFMulticast [Aggr Maint Tx TTFMulticast] (ethAggrMaintTxTTFMulticast)	java. math. BigInteger	The number of good packets transmitted by this address that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address. This behavior is the same performed by the counter hostOutMulticastPkts in the IETF RMON-MIB published as RFC 2819.
aggrMaintTxTTFUnicast [Aggr Maint Tx TTFUnicast] (ethAggrMaintTxTTFUnicast)	java. math. BigInteger	The number of Ethernet Unicast frames transmitted out by the Virtual Ethernet Interface.
aggrMaintTxTTO [Aggr Maint Tx TTO] (ethAggrMaintTxTTO)	java. math. BigInteger	The number of octets of Ethernet frames transmitted out by the Virtual Ethernet Interface, including Ethernet headers characters

Table 684 mpr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MptStats</p> <p>MIB entry name: opticsIMEquipmentExtenEntry</p> <p>Entry description: An entry of the equipment extention table. Each entry (row), corresponding to a physical component of a managed element, includes additional fields not included in the associated opticsIMEquipmentEntry.</p> <p>Table description (for opticsIMEquipmentExtenTable): This table contains the information related to the resources that represent the physical components of a managed element, including replaceable components.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
equipPower [Equip Power] (equipmentPowerConsumption)	double	This object reports the value of the instantaneous power consumed by the equipment. The unit of measure is NE dependent and will be defined on own external specification
equipTemperature [Equip Temperature] (equipmentTemperature)	int	This object reports the temperature of the equipment expressed in Celsius degrees
inCurrent [In Current] (equipmentInputCurrent)	double	This object reports the value of the instantaneous electric current flowing through the equipment. The unit of measure is NE dependent and will be defined on own external specification.
inVoltage [In Voltage] (equipmentInputVoltage)	double	This object reports the value of instantaneous voltage applied to the equipment. The unit of measure is NE dependent and will be defined on own external specification.

Table 685 radioequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationCurrentDataStats</p> <p>MIB entry name: opticsIMAdaptiveModulationCurrentDataEntry</p> <p>Entry description: An entry of the Adaptive Modulation current data table. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the associated objects, which have a defined default.</p> <p>Table description (for opticsIMAdaptiveModulationCurrentDataTable): This table contains the current data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationCDElapsedTime [Adaptive Modulation CDElapsed Time] (pmAdaptiveModulationCDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
adaptiveModulationCDSuspectIntervalFlag [Adaptive Modulation CDSuspect Interval Flag] (pmAdaptiveModulationCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationCDUsageTime128QAM [Adaptive Modulation CDUsage Time 128 QAM] (pmAdaptiveModulationCDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime16QAM [Adaptive Modulation CDUsage Time 16 QAM] (pmAdaptiveModulationCDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationCDUsageTime256QAM [Adaptive Modulation CDUsage Time 256 QAM] (pmAdaptiveModulationCDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationCDUsageTime32QAM [Adaptive Modulation CDUsage Time 32 QAM] (pmAdaptiveModulationCDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationCDUsageTime4QAM [Adaptive Modulation CDUsage Time 4 QAM] (pmAdaptiveModulationCDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationCDUsageTime64QAM [Adaptive Modulation CDUsage Time 64 QAM] (pmAdaptiveModulationCDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationCDUsageTime8QAM [Adaptive Modulation CDUsage Time 8 QAM] (pmAdaptiveModulationCDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationCurrentDataStats15Min</p> <p>MIB entry name: opticsIMAdaptiveModulationCurrentDataEntry</p> <p>Entry description: An entry of the Adaptive Modulation current data table. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the associated objects, which have a defined default.</p> <p>Table description (for opticsIMAdaptiveModulationCurrentDataTable): This table contains the current data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationCDElapsedTime [Adaptive Modulation CDElapsed Time] (pmAdaptiveModulationCDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
adaptiveModulationCDGranularityPeriod [Adaptive Modulation CDGranularity Period] (pmAdaptiveModulationCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationCDSuspectIntervalFlag [Adaptive Modulation CDSuspect Interval Flag] (pmAdaptiveModulationCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime128QAM [Adaptive Modulation CDUsage Time 128 QAM] (pmAdaptiveModulationCDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationCDUsageTime16QAM [Adaptive Modulation CDUsage Time 16 QAM] (pmAdaptiveModulationCDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationCDUsageTime256QAM [Adaptive Modulation CDUsage Time 256 QAM] (pmAdaptiveModulationCDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationCDUsageTime32QAM [Adaptive Modulation CDUsage Time 32 QAM] (pmAdaptiveModulationCDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationCDUsageTime4QAM [Adaptive Modulation CDUsage Time 4 QAM] (pmAdaptiveModulationCDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationCDUsageTime64QAM [Adaptive Modulation CDUsage Time 64 QAM] (pmAdaptiveModulationCDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationCDUsageTime8QAM [Adaptive Modulation CDUsage Time 8 QAM] (pmAdaptiveModulationCDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationCurrentDataStats24Hr</p> <p>MIB entry name: opticsIMAdaptiveModulationCurrentDataEntry</p> <p>Entry description: An entry of the Adaptive Modulation current data table. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the associated objects, which have a defined default.</p> <p>Table description (for opticsIMAdaptiveModulationCurrentDataTable): This table contains the current data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationCDElapsedTime [Adaptive Modulation CDElapsed Time] (pmAdaptiveModulationCDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
adaptiveModulationCDGranularityPeriod [Adaptive Modulation CDGranularity Period] (pmAdaptiveModulationCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationCDSuspectIntervalFlag [Adaptive Modulation CDSuspect Interval Flag] (pmAdaptiveModulationCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationCDUsageTime128QAM [Adaptive Modulation CDUsage Time 128 QAM] (pmAdaptiveModulationCDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationCDUsageTime16QAM [Adaptive Modulation CDUsage Time 16 QAM] (pmAdaptiveModulationCDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationCDUsageTime256QAM [Adaptive Modulation CDUsage Time 256 QAM] (pmAdaptiveModulationCDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationCDUsageTime32QAM [Adaptive Modulation CDUsage Time 32 QAM] (pmAdaptiveModulationCDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationCDUsageTime4QAM [Adaptive Modulation CDUsage Time 4 QAM] (pmAdaptiveModulationCDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationCDUsageTime64QAM [Adaptive Modulation CDUsage Time 64 QAM] (pmAdaptiveModulationCDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationCDUsageTime8QAM [Adaptive Modulation CDUsage Time 8 QAM] (pmAdaptiveModulationCDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationHistoryDataStats</p> <p>MIB entry name: opticsIMAdaptiveModulationHistoryDataEntry</p> <p>Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMAdaptiveModulationHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmAdaptiveModulationHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMAdaptiveModulationHistoryDataTable): This table contains the History data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationHDElapsedTime [Adaptive Modulation HDElapsed Time] (pmAdaptiveModulationHDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
adaptiveModulationHDPeriodEndTime [Adaptive Modulation HDPeriod End Time] (pmAdaptiveModulationHDPeriodEndTime)	long	The 0 value indicates the null value.
adaptiveModulationHDSuspectIntervalFlag [Adaptive Modulation HDSuspect Interval Flag] (pmAdaptiveModulationHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDUsageTime128QAM [Adaptive Modulation HDUsage Time 128 QAM] (pmAdaptiveModulationHDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationHDUsageTime16QAM [Adaptive Modulation HDUsage Time 16 QAM] (pmAdaptiveModulationHDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationHDUsageTime256QAM [Adaptive Modulation HDUsage Time 256 QAM] (pmAdaptiveModulationHDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationHDUsageTime32QAM [Adaptive Modulation HDUsage Time 32 QAM] (pmAdaptiveModulationHDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationHDUsageTime4QAM [Adaptive Modulation HDUsage Time 4 QAM] (pmAdaptiveModulationHDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationHDUsageTime64QAM [Adaptive Modulation HDUsage Time 64 QAM] (pmAdaptiveModulationHDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationHDUsageTime8QAM [Adaptive Modulation HDUsage Time 8 QAM] (pmAdaptiveModulationHDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdaptiveModulationHistoryDataStats15Min</p> <p>MIB entry name: opticsIMAdaptiveModulationHistoryDataEntry</p> <p>Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMAdaptiveModulationHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmAdaptiveModulationHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMAdaptiveModulationHistoryDataTable): This table contains the History data for the Adaptive Modulation PM.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
adaptiveModulationHDElapsedTime [Adaptive Modulation HDElapsed Time] (pmAdaptiveModulationHDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
adaptiveModulationHDGranularityPeriod [Adaptive Modulation HDGranularity Period] (pmAdaptiveModulationHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationHDPeriodEndTime [Adaptive Modulation HDPeriod End Time] (pmAdaptiveModulationHDPeriodEndTime)	long	The 0 value indicates the null value.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDSuspectIntervalFlag [Adaptive Modulation HDSuspect Interval Flag] (pmAdaptiveModulationHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationHDUsageTime128QAM [Adaptive Modulation HDUsage Time 128 QAM] (pmAdaptiveModulationHDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationHDUsageTime16QAM [Adaptive Modulation HDUsage Time 16 QAM] (pmAdaptiveModulationHDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationHDUsageTime256QAM [Adaptive Modulation HDUsage Time 256 QAM] (pmAdaptiveModulationHDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.
adaptiveModulationHDUsageTime32QAM [Adaptive Modulation HDUsage Time 32 QAM] (pmAdaptiveModulationHDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationHDUsageTime4QAM [Adaptive Modulation HDUsage Time 4 QAM] (pmAdaptiveModulationHDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDUsageTime64QAM [Adaptive Modulation HDUsage Time 64 QAM] (pmAdaptiveModulationHDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationHDUsageTime8QAM [Adaptive Modulation HDUsage Time 8 QAM] (pmAdaptiveModulationHDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.
<p>AdaptiveModulationHistoryDataStats24Hr MIB entry name: opticsIMAdaptiveModulationHistoryDataEntry Entry description: One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMAdaptiveModulationHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmAdaptiveModulationHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime. Table description (for opticsIMAdaptiveModulationHistoryDataTable): This table contains the History data for the Adaptive Modulation PM. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.PhysicalPort • genericne.GenericNeInterface</p>		
adaptiveModulationHDElapsedTime [Adaptive Modulation HDElapsed Time] (pmAdaptiveModulationHDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDGranularityPeriod [Adaptive Modulation HDGranularity Period] (pmAdaptiveModulationHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
adaptiveModulationHDPeriodEndTime [Adaptive Modulation HDPeriod End Time] (pmAdaptiveModulationHDPeriodEndTime)	long	The 0 value indicates the null value.
adaptiveModulationHDSuspectIntervalFlag [Adaptive Modulation HDSuspect Interval Flag] (pmAdaptiveModulationHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
adaptiveModulationHDUsageTime128QAM [Adaptive Modulation HDUsage Time 128 QAM] (pmAdaptiveModulationHDUsageTime128QAM)	long	The number of time unit (in ms) where the system is worked in 128QAM.
adaptiveModulationHDUsageTime16QAM [Adaptive Modulation HDUsage Time 16 QAM] (pmAdaptiveModulationHDUsageTime16QAM)	long	The number of time unit (in ms) where the system is worked in 16QAM.
adaptiveModulationHDUsageTime256QAM [Adaptive Modulation HDUsage Time 256 QAM] (pmAdaptiveModulationHDUsageTime256QAM)	long	The number of time unit (in ms) where the system is worked in 256QAM.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
adaptiveModulationHDUsageTime32QAM [Adaptive Modulation HDUsage Time 32 QAM] (pmAdaptiveModulationHDUsageTime32QAM)	long	The number of time unit (in ms) where the system is worked in 32QAM.
adaptiveModulationHDUsageTime4QAM [Adaptive Modulation HDUsage Time 4 QAM] (pmAdaptiveModulationHDUsageTime4QAM)	long	The number of time unit (in ms) where the system is worked in 4QAM.
adaptiveModulationHDUsageTime64QAM [Adaptive Modulation HDUsage Time 64 QAM] (pmAdaptiveModulationHDUsageTime64QAM)	long	The number of time unit (in ms) where the system is worked in 64QAM.
adaptiveModulationHDUsageTime8QAM [Adaptive Modulation HDUsage Time 8 QAM] (pmAdaptiveModulationHDUsageTime8QAM)	long	The number of time unit (in ms) where the system is worked in 8QAM.
<p>AggrPerQueueMaintStats MIB entry name: ethAggrPerQueueMaintEntry Entry description: An entry of received per queue aggregates maintenance counters table. Table description (for ethAggrPerQueueMaintTable): This table contains received per queue aggregates maintenance counters. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface </p>		

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggrPerQueueMaintDiscardTCF [Aggr Per Queue Maint Discard TCF] (ethAggrPerQueueMaintDiscardTCF)	java. math. BigInteger	The number of Discarded Ethernet conforming frames(green) accepted by the specific queue of this Ethernet interface
aggrPerQueueMaintTCF [Aggr Per Queue Maint TCF] (ethAggrPerQueueMaintTCF)	java. math. BigInteger	The number of Ethernet conforming frames(green) accepted by the specific queue of this Ethernet interface
aggrPerQueueMaintTCO [Aggr Per Queue Maint TCO] (ethAggrPerQueueMaintTCO)	java. math. BigInteger	The number of Ethernet conforming octets (green) accepted by the specific queue of this Ethernet interface
retrievingTime [Retrieving Time] (ethAggrPerQueueMaintRetrievingTime)	long	The NE time when counters are retrieved cause a maintenance action
<p>PdhFrameHopCurrentDataStats MIB entry name: opticsIMPdhFrameHopCurrentDataEntry Entry description: An entry of the pdhFrameHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default. Table description (for opticsIMPdhFrameHopCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Hop level. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.PhysicalPort • genericne.GenericNeInterface</p>		

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDBbe [Pdh Frame Hop CDBbe] (pmPdhFrameHopCDBbe)	long	The number of BBE.
pdhFrameHopCDElapsedTime [Pdh Frame Hop CDElapsed Time] (pmPdhFrameHopCDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
pdhFrameHopCDEs [Pdh Frame Hop CDEs] (pmPdhFrameHopCDEs)	long	The number of ES.
pdhFrameHopCDMaxSuppressedIntervals [Pdh Frame Hop CDMax Suppressed Intervals] (pmPdhFrameHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of (2^32)-1 implies infinite zero suppression, i.e. always suppress the zero intervals.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDNumSuppressedIntervals [Pdh Frame Hop CDNum Suppressed Intervals] (pmPdhFrameHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopCDSes [Pdh Frame Hop CDSes] (pmPdhFrameHopCDSes)	long	The number of SES.
pdhFrameHopCDSuspectIntervalFlag [Pdh Frame Hop CDSuspect Interval Flag] (pmPdhFrameHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopCDUas [Pdh Frame Hop CDUas] (pmPdhFrameHopCDUas)	long	The number of UAS.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdhFrameHopCurrentDataStats15Min</p> <p>MIB entry name: opticsIMPdhFrameHopCurrentDataEntry</p> <p>Entry description: An entry of the pdhFrameHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameHopCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Hop level.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopCDBbe [Pdh Frame Hop CDBbe] (pmPdhFrameHopCDBbe)	long	The number of BBE.
pdhFrameHopCDElapsedTime [Pdh Frame Hop CDElapsed Time] (pmPdhFrameHopCDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
pdhFrameHopCDEs [Pdh Frame Hop CDEs] (pmPdhFrameHopCDEs)	long	The number of ES.
pdhFrameHopCDGranularityPeriod [Pdh Frame Hop CDGranularity Period] (pmPdhFrameHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDMaxSuppressedIntervals [Pdh Frame Hop CDMax Suppressed Intervals] (pmPdhFrameHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameHopCDNumSuppressedIntervals [Pdh Frame Hop CDNum Suppressed Intervals] (pmPdhFrameHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopCDSes [Pdh Frame Hop CDSes] (pmPdhFrameHopCDSes)	long	The number of SES.
pdhFrameHopCDSuspectIntervalFlag [Pdh Frame Hop CDSuspect Interval Flag] (pmPdhFrameHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDUas [Pdh Frame Hop CDUas] (pmPdhFrameHopCDUas)	long	The number of UAS.
<p>PdhFrameHopCurrentDataStats24Hr MIB entry name: opticsIMPdhFrameHopCurrentDataEntry Entry description: An entry of the pdhFrameHopCurrentDataTable. An unavailable condition starts when 10 consecutive severely errored seconds have been detected; these 10 seconds belong to the unavailable time. An unavailable condition ends when 10 consecutive seconds with no severely errored second are detected. These 10 seconds belong to the available time. If an unavailable period is ending then the UAT Clear shall be sent. These performance event counts are inhibited during unavailable time. In the objects where a Default Value is specified, the write operation is allowed only to the indicated default value. The write operation to one counter is applied to all the counters of all the the associated objects, which have a defined default.</p> <p>Table description (for opticsIMPdhFrameHopCurrentDataTable): This table contains the current data for the Performance Monitoring on PDH Frame at Radio Hop level.</p> <p>Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopCDBbe [Pdh Frame Hop CDBbe] (pmPdhFrameHopCDBbe)	long	The number of BBE.
pdhFrameHopCDElapsedTime [Pdh Frame Hop CDElapsed Time] (pmPdhFrameHopCDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
pdhFrameHopCDEs [Pdh Frame Hop CDEs] (pmPdhFrameHopCDEs)	long	The number of ES.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDGranularityPeriod [Pdh Frame Hop CDGranularity Period] (pmPdhFrameHopCDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameHopCDMaxSuppressedIntervals [Pdh Frame Hop CDMax Suppressed Intervals] (pmPdhFrameHopCDMaxSuppressed-Intervals)	long	The PmMaxSuppressedIntervals object limits the maximum number of suppressed intervals that will be collected without creating an instance of the historyData object. For example, consider an instance of current Data associated to one resource with maxSuppressedIntervals set to 32, and the interval set to 15 minutes: it means that after 32 consecutive suppressed (e.g., all-zero) intervals (8 hours) at least one historyData record (with all zero PM Parameters) will be generated with a NumSuppressedIntervals equal to 32. This ensures that at least one historyData record per maxSuppressedIntervals will be created. The value of this attribute cannot exceed the maximum possible value of the numSuppressedIntervals attribute. A value of $(2^{32})-1$ implies infinite zero suppression, i.e. always suppress the zero intervals.
pdhFrameHopCDNumSuppressedIntervals [Pdh Frame Hop CDNum Suppressed Intervals] (pmPdhFrameHopCDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopCDSes [Pdh Frame Hop CDSes] (pmPdhFrameHopCDSes)	long	The number of SES.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopCDSuspectIntervalFlag [Pdh Frame Hop CDSuspect Interval Flag] (pmPdhFrameHopCDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopCDUas [Pdh Frame Hop CDUas] (pmPdhFrameHopCDUas)	long	The number of UAS.
<p>PdhFrameHopHistoryDataStats</p> <p>MIB entry name: opticsIMPdhFrameHopHistoryDataEntry</p> <p>Entry description: An entry of the pdhFrameHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameHopHistory-DataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameHopHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopHDBbe [Pdh Frame Hop HDBbe] (pmPdhFrameHopHDBbe)	long	The number of BBE.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDElapsedTime [Pdh Frame Hop HDElapsed Time] (pmPdhFrameHopHDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
pdhFrameHopHDEs [Pdh Frame Hop HDEs] (pmPdhFrameHopHDEs)	long	The number of ES.
pdhFrameHopHDNumSuppressedIntervals [Pdh Frame Hop HDNum Suppressed Intervals] (pmPdhFrameHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopHDPeriodEndTime [Pdh Frame Hop HDPeriod End Time] (pmPdhFrameHopHDPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameHopHDSes [Pdh Frame Hop HDSes] (pmPdhFrameHopHDSes)	long	The number of SES.
pdhFrameHopHDSuspectIntervalFlag [Pdh Frame Hop HDSuspect Interval Flag] (pmPdhFrameHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDUas [Pdh Frame Hop HDUas] (pmPdhFrameHopHDUas)	long	The number of UAS.
<p>PdhFrameHopHistoryDataStats15Min MIB entry name: opticsIMPdhFrameHopHistoryDataEntry Entry description: An entry of the pdhFrameHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameHopHDPPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime. Table description (for opticsIMPdhFrameHopHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Hop level.. Supports realtime plotting Supports scheduled collection Monitored classes: • equipment.PhysicalPort • genericne.GenericNeInterface</p>		
pdhFrameHopHDBbe [Pdh Frame Hop HDBbe] (pmPdhFrameHopHDBbe)	long	The number of BBE.
pdhFrameHopHDElapsedTime [Pdh Frame Hop HDElapsed Time] (pmPdhFrameHopHDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
pdhFrameHopHDEs [Pdh Frame Hop HDEs] (pmPdhFrameHopHDEs)	long	The number of ES.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDGranularityPeriod [Pdh Frame Hop HDGranularity Period] (pmPdhFrameHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.
pdhFrameHopHDNumSuppressedIntervals [Pdh Frame Hop HDNum Suppressed Intervals] (pmPdhFrameHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopHDPPeriodEndTime [Pdh Frame Hop HDPPeriod End Time] (pmPdhFrameHopHDPPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameHopHDSses [Pdh Frame Hop HDSses] (pmPdhFrameHopHDSses)	long	The number of SES.
pdhFrameHopHDSsuspectIntervalFlag [Pdh Frame Hop HDSsuspect Interval Flag] (pmPdhFrameHopHDSsuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopHDUas [Pdh Frame Hop HDUas] (pmPdhFrameHopHDUas)	long	The number of UAS.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PdhFrameHopHistoryDataStats24Hr</p> <p>MIB entry name: opticsIMPdhFrameHopHistoryDataEntry</p> <p>Entry description: An entry of the pdhFrameHopHistoryDataTable. One entry of this table is created at the end of the time interval of the related CD (defined by granularity Period). At most n entries of opticsIMPdhFrameHopHistoryDataTable can be created indexed by the indexes of the corresponding CD entry and by the time of the measure (pmPdhFrameHopHDPeriodEndTime). This set of n entries is wrapped, when the n+1 measure is provided. The n+1 measure is written in the row of the table indexed by the smallest value of PeriodEndTime.</p> <p>Table description (for opticsIMPdhFrameHopHistoryDataTable): This table contains the History Data for the Performance Monitoring on PDH Frame at Radio Hop level..</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface 		
pdhFrameHopHDBbe [Pdh Frame Hop HDBbe] (pmPdhFrameHopHDBbe)	long	The number of BBE.
pdhFrameHopHDElapsedTime [Pdh Frame Hop HDElapsed Time] (pmPdhFrameHopHDElapsedTime)	long	It specifies the amount of time, whose time granularity is NE-product specific (NE time granularity in units of 1 second) and independent from TimeInterval SNMP SYNTAX, that statistics for this entry (the current interval) have been counted.
pdhFrameHopHDEs [Pdh Frame Hop HDEs] (pmPdhFrameHopHDEs)	long	The number of ES.
pdhFrameHopHDGranularityPeriod [Pdh Frame Hop HDGranularity Period] (pmPdhFrameHopHDGranularityPeriod)	long	It indicates the time base for measuring: 15 minutes,24 hours or one hour.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pdhFrameHopHDNumSuppressedIntervals [Pdh Frame Hop HDNum Suppressed Intervals] (pmPdhFrameHopHDNumSuppressed-Intervals)	long	This attribute is non-zero only if the NE is suppressing History Data entry creation for the measured resource when the current interval terminates with 'all-zeroes' performance measurements. When non-zero, this attribute represents the number of 'all-zeroes' intervals that were suppressed immediately prior to the current interval. This attribute gets increment at the end of an interval if suppression has occurred, otherwise, the attribute is reset.
pdhFrameHopHDPPeriodEndTime [Pdh Frame Hop HDPPeriod End Time] (pmPdhFrameHopHDPPeriodEndTime)	long	The 0 value indicates the null value.
pdhFrameHopHDSes [Pdh Frame Hop HDSes] (pmPdhFrameHopHDSes)	long	The number of SES.
pdhFrameHopHDSuspectIntervalFlag [Pdh Frame Hop HDSuspect Interval Flag] (pmPdhFrameHopHDSuspectIntervalFlag)	int	This attribute is used to indicate that the performance data for the current period may not be reliable. Some reasons for this to occur are: - Suspect data were detected by the actual resource doing data collection - Transition of the row status attribute to/from the 'inService' state. - The performance counters were reset during the interval. - The current Data object associated to a resource was created during the monitoring period.
pdhFrameHopHDUas [Pdh Frame Hop HDUas] (pmPdhFrameHopHDUas)	long	The number of UAS.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RadioAnalogueMeasure</p> <p>MIB entry name: opticsIMRadioAnalogueMeasuresEntry</p> <p>Entry description: An entry of the analogue measurements table. Each entry corresponds to a Radio Synchronous or Plesiochronous Physical Interface (RSPI or RPPI).</p> <p>Table description (for opticsIMRadioAnalogueMeasuresTable): This table contains the radio analogue measurements.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • genericne.GenericNeInterface • mwa.PortTermination 		
localMSE [Local MSE] (analogueMeasuresLocalMSE)	double	This object represents the local MSE value. It is a negative integer with associated measure unit expressed in decade of dB.
localModulation [Local Modulation] (analogueMeasuresLocalModulation)	int	This object represents the modulation value as currently used by the local radio interface and reported to the managing system. It could follow the modulation value as provisioned by managing system on Fixed Modulation mode or the one currently used by the system and computed by the Adaptive Modulation process. The 'noModulationValue' is reported in case the modulation value is not available.
localRxMainPowerdBm [Local Rx Main Powerd Bm] (analogueMeasuresLocalRxMainPower)	double	This object represents the local received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the local main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
localTxPowerdBm [Local Tx Powerd Bm] (analogueMeasuresLocalTxPower)	double	This object represents the local transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.

Table 685 radioequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remoteMSE [Remote MSE] (analogueMeasuresRemoteMSE)	double	This object represents the remote MSE value. It is a negative integer with associated measure unit expressed in decade of dB.
remoteModulation [Remote Modulation] (analogueMeasuresRemoteModulation)	int	This object represents the modulation value as currently used by the remote radio interface and reported to the managing system through the local radio interface. It could be the modulation value as provisioned by managing system on Fixed Modulation mode or the one currently used by the remote system and computed by the Adaptive Modulation process. The 'noModulationValue' is reported in case the modulation value is not available.
remoteRxMainPowerdBm [Remote Rx Main Powerd Bm] (analogueMeasuresRemoteRxMainPower)	double	This object represents the remote received power level. In case of space diversity configuration with combiner function in base band it is used to represent the power at the input of the remote main receiver. It is a negative integer with associated measure unit expressed in decade of dBm.
remoteTxPowerdBm [Remote Tx Powerd Bm] (analogueMeasuresRemoteTxPower)	double	This object represents the remote transmitted power level. It is an integer with associated measure unit expressed in decade of dBm.

35 9xxx eNodeB performance statistics counters

35.1 Performance statistics counters

35.1.1 Counters

Table 686 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 686 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 686 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 686 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

36 Generic NE performance statistics counters

36.1 Performance statistics counters

36.1.1 Counters

Table 687 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the established state or how long since this peer was last in the established state. It is set to zero when a new peer is configured or when the router is booted.
<p>PeerGNEStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTransitions [Fsm Established Transitions] (bgpPeerFsmEstablishedTransitions)	long	The total number of times the BGP FSM transitioned into the established state for this peer.
inTotalMessages [In Total Messages] (bgpPeerInTotalMessages)	long	The total number of messages received from the remote peer on this connection.

Table 687 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inUpdates [In Updates] (bgpPeerInUpdates)	long	The number of BGP UPDATE messages received on this connection.
outTotalMessages [Out Total Messages] (bgpPeerOutTotalMessages)	long	The total number of messages transmitted to the remote peer on this connection.
outUpdates [Out Updates] (bgpPeerOutUpdates)	long	The number of BGP UPDATE messages transmitted on this connection.

Table 688 entity statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PhysicalSensorStats</p> <p>MIB entry name: entPhySensorEntry</p> <p>Entry description: Information about a particular physical sensor. An entry in this table describes the present reading of a sensor, the measurement units and scale, and sensor operational status. Entries are created in this table by the agent. An entry for each physical sensor SHOULD be created at the same time as the associated entPhysicalEntry. An entry SHOULD be destroyed if the associated entPhysicalEntry is destroyed.</p> <p>Table description (for entPhySensorTable): This table contains one row per physical sensor represented by an associated row in the entPhysicalTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: entity.PhysicalSensor</p>		
statsSensorOperStatus [Stats Sensor Oper Status] (entPhySensorOperStatus)	int	The operational status of the sensor.
statsSensorUnitsDisplay [Stats Sensor Units Display] (entPhySensorUnitsDisplay)	String	A textual description of the data units that should be used in the display of entPhySensorValue.
statsSensorValueTimeStamp [Stats Sensor Value Time Stamp] (entPhySensorValueTimeStamp)	long	The value of sysUpTime at the time the status and/or value of this sensor was last obtained by the agent.
statsSensorValueUpdateRate [Stats Sensor Value Update Rate] (entPhySensorValueUpdateRate)	long	An indication of the frequency that the agent updates the associated entPhySensorValue object, representing in milliseconds. The value zero indicates: - the sensor value is updated on demand (e.g., when polled by the agent for a get-request), - the sensor value is updated when the sensor value changes (event-driven), - the agent does not know the update rate.

Table 688 entity statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PhysicalSensorTruthStats</p> <p>MIB entry name: entPhySensorEntry</p> <p>Entry description: Information about a particular physical sensor. An entry in this table describes the present reading of a sensor, the measurement units and scale, and sensor operational status. Entries are created in this table by the agent. An entry for each physical sensor SHOULD be created at the same time as the associated entPhysicalEntry. An entry SHOULD be destroyed if the associated entPhysicalEntry is destroyed.</p> <p>Table description (for entPhySensorTable): This table contains one row per physical sensor represented by an associated row in the entPhysicalTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: entity.PhysicalSensor</p>		
statsSensorOperStatus [Stats Sensor Oper Status] (entPhySensorOperStatus)	int	The operational status of the sensor.
statsSensorUnitsDisplay [Stats Sensor Units Display] (entPhySensorUnitsDisplay)	String	A textual description of the data units that should be used in the display of entPhySensorValue.
statsSensorValue [Stats Sensor Value] (entPhySensorValue)	String	The most recent measurement obtained by the agent for this sensor. To correctly interpret the value of this object, the associated entPhySensorType, entPhySensorScale, and entPhySensorPrecision objects must also be examined.
statsSensorValueTimeStamp [Stats Sensor Value Time Stamp] (entPhySensorValueTimeStamp)	long	The value of sysUpTime at the time the status and/or value of this sensor was last obtained by the agent.

Table 688 entity statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsSensorValueUpdateRate [Stats Sensor Value Update Rate] (entPhySensorValueUpdateRate)	long	An indication of the frequency that the agent updates the associated entPhySensorValue object, representing in milliseconds. The value zero indicates: - the sensor value is updated on demand (e.g., when polled by the agent for a get-request), - the sensor value is updated when the sensor value changes (event-driven), - the agent does not know the update rate.
<p>PhysicalSensorUnknownStats</p> <p>MIB entry name: entPhySensorEntry</p> <p>Entry description: Information about a particular physical sensor. An entry in this table describes the present reading of a sensor, the measurement units and scale, and sensor operational status. Entries are created in this table by the agent. An entry for each physical sensor SHOULD be created at the same time as the associated entPhysicalEntry. An entry SHOULD be destroyed if the associated entPhysicalEntry is destroyed.</p> <p>Table description (for entPhySensorTable): This table contains one row per physical sensor represented by an associated row in the entPhysicalTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: entity.PhysicalSensor</p>		
statsSensorOperStatus [Stats Sensor Oper Status] (entPhySensorOperStatus)	int	The operational status of the sensor.
statsSensorUnitsDisplay [Stats Sensor Units Display] (entPhySensorUnitsDisplay)	String	A textual description of the data units that should be used in the display of entPhySensorValue.
statsSensorValue [Stats Sensor Value] (entPhySensorValue)	double	The most recent measurement obtained by the agent for this sensor. To correctly interpret the value of this object, the associated entPhySensorType, entPhySensorScale, and entPhySensorPrecision objects must also be examined.

Table 688 entity statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsSensorValueTimeStamp [Stats Sensor Value Time Stamp] (entPhySensorValueTimeStamp)	long	The value of sysUpTime at the time the status and/or value of this sensor was last obtained by the agent.
statsSensorValueUpdateRate [Stats Sensor Value Update Rate] (entPhySensorValueUpdateRate)	long	An indication of the frequency that the agent updates the associated entPhySensorValue object, representing in milliseconds. The value zero indicates: - the sensor value is updated on demand (e.g., when polled by the agent for a get-request), - the sensor value is updated when the sensor value changes (event-driven), - the agent does not know the update rate.
<p>PhysicalSensorVoltACStats</p> <p>MIB entry name: entPhySensorEntry</p> <p>Entry description: Information about a particular physical sensor. An entry in this table describes the present reading of a sensor, the measurement units and scale, and sensor operational status. Entries are created in this table by the agent. An entry for each physical sensor SHOULD be created at the same time as the associated entPhysicalEntry. An entry SHOULD be destroyed if the associated entPhysicalEntry is destroyed.</p> <p>Table description (for entPhySensorTable): This table contains one row per physical sensor represented by an associated row in the entPhysicalTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: entity.PhysicalSensor</p>		
statsSensorOperStatus [Stats Sensor Oper Status] (entPhySensorOperStatus)	int	The operational status of the sensor.
statsSensorUnitsDisplay [Stats Sensor Units Display] (entPhySensorUnitsDisplay)	String	A textual description of the data units that should be used in the display of entPhySensorValue.

Table 688 entity statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsSensorValue [Stats Sensor Value] (entPhySensorValue)	double	The most recent measurement obtained by the agent for this sensor. To correctly interpret the value of this object, the associated entPhySensorType, entPhySensorScale, and entPhySensorPrecision objects must also be examined.
statsSensorValueTimeStamp [Stats Sensor Value Time Stamp] (entPhySensorValueTimeStamp)	long	The value of sysUpTime at the time the status and/or value of this sensor was last obtained by the agent.
statsSensorValueUpdateRate [Stats Sensor Value Update Rate] (entPhySensorValueUpdateRate)	long	An indication of the frequency that the agent updates the associated entPhySensorValue object, representing in milliseconds. The value zero indicates: - the sensor value is updated on demand (e.g., when polled by the agent for a get-request), - the sensor value is updated when the sensor value changes (event-driven), - the agent does not know the update rate.
<p>PhysicalSensorVoltDCStats MIB entry name: entPhySensorEntry Entry description: Information about a particular physical sensor. An entry in this table describes the present reading of a sensor, the measurement units and scale, and sensor operational status. Entries are created in this table by the agent. An entry for each physical sensor SHOULD be created at the same time as the associated entPhysicalEntry. An entry SHOULD be destroyed if the associated entPhysicalEntry is destroyed. Table description (for entPhySensorTable): This table contains one row per physical sensor represented by an associated row in the entPhysicalTable. Supports realtime plotting Supports scheduled collection Monitored class: entity.PhysicalSensor</p>		
statsSensorOperStatus [Stats Sensor Oper Status] (entPhySensorOperStatus)	int	The operational status of the sensor.

Table 688 entity statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsSensorUnitsDisplay [Stats Sensor Units Display] (entPhySensorUnitsDisplay)	String	A textual description of the data units that should be used in the display of entPhySensorValue.
statsSensorValue [Stats Sensor Value] (entPhySensorValue)	double	The most recent measurement obtained by the agent for this sensor. To correctly interpret the value of this object, the associated entPhySensorType, entPhySensorScale, and entPhySensorPrecision objects must also be examined.
statsSensorValueTimeStamp [Stats Sensor Value Time Stamp] (entPhySensorValueTimeStamp)	long	The value of sysUpTime at the time the status and/or value of this sensor was last obtained by the agent.
statsSensorValueUpdateRate [Stats Sensor Value Update Rate] (entPhySensorValueUpdateRate)	long	An indication of the frequency that the agent updates the associated entPhySensorValue object, representing in milliseconds. The value zero indicates: - the sensor value is updated on demand (e.g., when polled by the agent for a get-request), - the sensor value is updated when the sensor value changes (event-driven), - the agent does not know the update rate.
<p>PhysicalSensorWattStats</p> <p>MIB entry name: entPhySensorEntry</p> <p>Entry description: Information about a particular physical sensor. An entry in this table describes the present reading of a sensor, the measurement units and scale, and sensor operational status. Entries are created in this table by the agent. An entry for each physical sensor SHOULD be created at the same time as the associated entPhysicalEntry. An entry SHOULD be destroyed if the associated entPhysicalEntry is destroyed.</p> <p>Table description (for entPhySensorTable): This table contains one row per physical sensor represented by an associated row in the entPhysicalTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: entity.PhysicalSensor</p>		

Table 688 entity statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsSensorOperStatus [Stats Sensor Oper Status] (entPhySensorOperStatus)	int	The operational status of the sensor.
statsSensorUnitsDisplay [Stats Sensor Units Display] (entPhySensorUnitsDisplay)	String	A textual description of the data units that should be used in the display of entPhySensorValue.
statsSensorValue [Stats Sensor Value] (entPhySensorValue)	double	The most recent measurement obtained by the agent for this sensor. To correctly interpret the value of this object, the associated entPhySensorType, entPhySensorScale, and entPhySensorPrecision objects must also be examined.
statsSensorValueTimeStamp [Stats Sensor Value Time Stamp] (entPhySensorValueTimeStamp)	long	The value of sysUpTime at the time the status and/or value of this sensor was last obtained by the agent.
statsSensorValueUpdateRate [Stats Sensor Value Update Rate] (entPhySensorValueUpdateRate)	long	An indication of the frequency that the agent updates the associated entPhySensorValue object, representing in milliseconds. The value zero indicates: - the sensor value is updated on demand (e.g., when polled by the agent for a get-request), - the sensor value is updated when the sensor value changes (event-driven), - the agent does not know the update rate.

Table 689 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 689 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 689 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 689 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 689 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 689 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 689 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 690 genericne statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: genericne.GenericNeInterface</p>		
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 690 generic statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 690 genericne statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: genericne.GenericNeInterface</p>		
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 690 generic statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character- oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 690 genericne statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 691 igmp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGNEStats MIB entry name: igmpInterfaceEntry Entry description: An entry (conceptual row) representing an interface on which IGMP is enabled. Table description (for igmpInterfaceTable): The (conceptual) table listing the interfaces on which IGMP is enabled. Supports realtime plotting Supports scheduled collection Monitored class: igmp.Interface</p>		
rxGenQueries [Rx Gen Queries] (igmpInterfaceJoins)	long	The number of times a group membership has been added on this interface; that is, the number of times an entry for this interface has been added to the Cache Table. This object gives an indication of the amount of IGMP activity over the lifetime of the row entry.
rxWrongVersions [Rx Wrong Versions] (igmpInterfaceWrongVersionQueries)	long	The number of queries received whose IGMP version does not match igmpInterfaceVersion, over the lifetime of the row entry. IGMP requires that all routers on a LAN be configured to run the same version of IGMP. Thus, if any queries are received with the wrong version, this indicates a configuration error.

Table 692 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerGNEStats</p> <p>MIB entry name: mplsLdpEntityStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Entity. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP PDU received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e., the Session remains), then the error is counted in the mplsLdpSessionStatsEntry.</p> <p>Table description (for mplsLdpEntityStatsTable): This table is a read-only table which augments the mplsLdpEntityTable. The purpose of this table is to keep statistical information about the LDP Entities on the LSR.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
statsBadLdpIdentifierErrors [Stats Bad Ldp Identifier Errors] (mplsLdpEntityStatsBadLdpIdentifierErrors)	long	This object counts the number of Bad LDP Identifier Fatal Errors detected by the session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsBadMessageLengthErrors [Stats Bad Message Length Errors] (mplsLdpEntityStatsBadMessageLengthErrors)	long	This object counts the number of Bad Message Length Fatal Errors detected by the session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsBadPduLengthErrors [Stats Bad Pdu Length Errors] (mplsLdpEntityStatsBadPduLengthErrors)	long	This object counts the number of Bad PDU Length Fatal Errors detected by the session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.

Table 692 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsBadTlvLengthErrors [Stats Bad Tlv Length Errors] (mplsLdpEntityStatsBadTlvLengthErrors)	long	This object counts the number of Bad TLV Length Fatal Errors detected by the session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsKeepAliveTimerExpErrors [Stats Keep Alive Timer Exp Errors] (mplsLdpEntityStatsKeepAliveTimerExpErrors)	long	This object counts the number of Session Keep Alive Timer Expired Errors detected by the session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsMalformedTlvValueErrors [Stats Malformed Tlv Value Errors] (mplsLdpEntityStatsMalformedTlvValueErrors)	long	This object counts the number of Malformed TLV Value Fatal Errors detected by the session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsSessionAttempts [Stats Session Attempts] (mplsLdpEntityStatsSessionAttempts)	long	A count of the Session Initialization messages which were sent or received by this LDP Entity and were NAK'd. In other words, this counter counts the number of session initializations that failed. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsSessionRejectedAdErrors [Stats Session Rejected Ad Errors] (mplsLdpEntityStatsSessionRejectedAdErrors)	long	A count of the Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.

Table 692 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
statsSessionRejectedLRErrors [Stats Session Rejected LRErrors] (mplsLdpEntityStatsSessionRe- jectedLRErrors)	long	A count of the Session Rejected/Parameters Label Range Notification Messages sent or received by this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsSessionRejectedMaxPduErrors [Stats Session Rejected Max Pdu Errors] (mplsLdpEntityStatsSessionRe- jectedMaxPduErrors)	long	A count of the Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsSessionRejectedNoHelloErrors [Stats Session Rejected No Hello Errors] (mplsLdpEntityStatsSessionRe- jectedNoHelloErrors)	long	A count of the Session Rejected/No Hello Error Notification Messages sent or received by this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsShutdownReceivedNotifications [Stats Shutdown Received Notifications] (mplsLdpEntityStatsShutdownRe- ceivedNotifications)	long	This object counts the number of Shutdown Notifications received related to session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.
statsShutdownSentNotifications [Stats Shutdown Sent Notifications] (mplsLdpEntityStatsShutdownS- entNotifications)	long	This object counts the number of Shutdown Notifications sent related to session(s) (past and present) associated with this LDP Entity. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of mplsLdpEntityDiscontinuityTime.

Table 693 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: ospfAreaEntry</p> <p>Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
<p>InterfaceGeneralStats</p> <p>MIB entry name: ospfIfEntry</p> <p>Entry description: The OSPF Interface Entry describes one interface from the viewpoint of OSPF.</p> <p>Table description (for ospfIfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (ospfIfEvents)	long	The number of times this OSPF interface has changed its state, or an error has occurred.

Table 693 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: ospfNbrEntry</p> <p>Entry description: The information regarding a single neighbor.</p> <p>Table description (for ospfNbrTable): A table of non-virtual neighbor information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state, or an error has occurred.

37 OS 10K performance statistics counters

37.1 Performance statistics counters

37.1.1 Counters

Table 694 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot</p>		
cpu1DayAvg [Cpu 1 Day Avg] (healthModuleCpu1DayAvg)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
memory1DayAvg [Memory 1 Day Avg] (healthModuleMemory1DayAvg)	long	Maximum one-minute module-level memory utilization over the last hour (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rx1DayAvg [Rx 1 Day Avg] (healthModuleRx1DayAvg)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxTx1DayAvg [Rx Tx 1 Day Avg] (healthModuleRxTx1DayAvg)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many when running in virtual chassis mode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasCPMAHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for the CPMA control module board. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 694 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 695 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 695 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 696 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats MIB entry name: alaErpStatsEntry Entry description: The Statistics table entry. Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis. Supports realtime plotting Supports scheduled collection Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 696 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	The trap shall be raised whenever the ring is removed dynamically in Unlike NI Scenario only.

Table 697 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 697 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 698 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 698 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 698 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 698 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (lldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (lldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: lldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for lldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the lldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (lldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 699 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 699 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was 'badValue'.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was 'genErr'.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.

Table 699 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.

Table 699 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status was 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.

Table 699 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutTooBig [Snmp Out Too Bigs] (snmpOutTooBig)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 700 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: ospfAreaEntry</p> <p>Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
totalLSACount [Total LSACount] (ospfAreaLsaCount)	long	The total number of link-state advertisements in this area's link-state database, excluding AS External LSA's.
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
<p>InterfaceGeneralStats</p> <p>MIB entry name: ospfIfEntry</p> <p>Entry description: The OSPF Interface Entry describes one interface from the viewpoint of OSPF.</p> <p>Table description (for ospfIfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (ospfIfEvents)	long	The number of times this OSPF interface has changed its state, or an error has occurred.

Table 700 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats MIB entry name: ospfNbrEntry Entry description: The information regarding a single neighbor. Table description (for ospfNbrTable): A table of non-virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor </p>		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfNbrLsRetransQLen)	long	The current length of the retransmission queue.
<p>NeighborLinkStateStats MIB entry name: alaOspfNbrAugEntry Entry description: Additions to neighbor table Table description (for alaOspfNbrAugTable): Extensions to the ospfNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.OspfNeighbor</p>		
outstandingLSAcks [Outstanding LSAcks] (alaOspfNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 700 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor
OspfStats MIB entry name: alaOspfGeneralTable Table description (for alcatelIND1OSPFMIBObjects): Branch For Open Shortest Path First (OSPF) Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Site		
activeAreas [Active Areas] (alaOspfTotalActiveAreas)	long	Total Number of active areas configured on this router
attachedAreas [Attached Areas] (alaOspfTotalAreas)	long	Total Number of areas configured on this router
attachedNSSAs [Attached NSSAs] (alaOspfTotalNSSA)	long	Total Number of NSSA areas on this router
exchStateNbrs [Exch State Nbrs] (alaOspfTotalExchNbrs)	long	Number of EXCHANGE state neighbors on this router
fullStateNbrs [Full State Nbrs] (alaOspfTotalFullNbrs)	long	Number of FULL state neighbors on this router

Table 700 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
incrSpfRunsDone [Incr Spf Runs Done] (alaOspfTotalIncrSpfRuns)	long	Total number of Incremental SPF runs performed on this router
initStateNbrs [Init State Nbrs] (alaOspfTotalInitNbrs)	long	Number of INIT state neighbors on this router
newLsasOriginated [New Lsas Originated] (ospfOriginateNewLsas)	long	The number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (ospfRxNewLsas)	long	The number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
routeCount [Route Count] (alaOspfRouteNumber)	long	The number of network routes in OSPF routing table.
spfRunsDone [Spf Runs Done] (alaOspfTotalSpfRuns)	long	Total number of SPF runs performed on this router
transitAreas [Transit Areas] (alaOspfTotalTransitAreas)	long	Number of transit areas on this router
twoWayStateNbrs [Two Way State Nbrs] (alaOspfTotal2wayNbrs)	long	Number of 2-way state neighbors on this router

Table 700 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
VirtualNeighborGeneralStats MIB entry name: ospfVirtNbrEntry Entry description: Virtual neighbor information. Table description (for ospfVirtNbrTable): A table of virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
events [Events] (ospfVirtNbrEvents)	long	The number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfVirtNbrLsRetransQLen)	long	The current length of the retransmission queue.
VirtualNeighborLinkStateStats MIB entry name: alaOspfVirtNbrAugEntry Entry description: Information regarding a single virtual neighbor. Table description (for alaOspfVirtNbrAugTable): Extensions to ospfVirtNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
outstandingLSAcks [Outstanding LSAcks] (alaOspfVirtNbrPendingLSAck)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfVirtNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 700 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfVirtNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor

Table 701 pbbvlan statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SPBServicesMeshSdpStats MIB entry name: alaSdpBindEntry Entry description: Information about a specific SDP binding. Table description (for alaSdpBindTable): A table that contains SDP binding information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pbbvlan.Site • svt.VlanPBEdgeMeshSdpBinding 		
egressByteCount [Egress Byte Count] (alaSdpBindEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this SDP Bind.
egressPacketCount [Egress Packet Count] (alaSdpBindEgressPacketCount)	long	The total egress packet count flowing through this SDP Bind.
ingressByteCount [Ingress Byte Count] (alaSdpBindIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this SDP Bind.
ingressPacketCount [Ingress Packet Count] (alaSdpBindIngressPacketCount)	long	The total ingress packet count flowing through this SDP Bind.

Table 701 pbbvlan statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SPBServicesSapStats MIB entry name: alaSapBaselInfoEntry Entry description: Information about a specific SAP. Table description (for alaSapBaselInfoTable): A table that contains basic SAP information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pbbvlan.L2AccessInterface • pbbvlan.Site </p>		
egressByteCount [Egress Byte Count] (alaSapEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this SAP.
egressPacketCount [Egress Packet Count] (alaSapEgressPacketCount)	long	The total egress packet count flowing through this SAP.
ingressByteCount [Ingress Byte Count] (alaSapIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this SAP.
ingressPacketCount [Ingress Packet Count] (alaSapIngressPacketCount)	long	The total ingress packet count flowing through this SAP.

Table 701 pbbvlan statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SPBServicesSiteStats</p> <p>MIB entry name: alaSvcBaseInfoEntry</p> <p>Entry description: Basic information about a specific service.</p> <p>Table description (for alaSvcBaseInfoTable): A table that contains basic service information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pbbvlan.Site</p>		
egressByteCount [Egress Byte Count] (alaSvcEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this service.
egressPacketCount [Egress Packet Count] (alaSvcEgressPacketCount)	long	The total egress packet count flowing through this service.
ingressByteCount [Ingress Byte Count] (alaSvcIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this service.
ingressPacketCount [Ingress Packet Count] (alaSvcIngressPacketCount)	long	The total ingress packet count flowing through this service.

Table 702 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AOSInterfaceStats MIB entry name: rip2IfStatEntry Entry description: A Single Routing Domain in a single Subnet. Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 703 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 703 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 703 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 704 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServiceStats</p> <p>MIB entry name: iphelperStatEntry</p> <p>Entry description: An entry in the stat table.</p> <p>Table description (for iphelperStatTable): This keeps statistics for each next hop IP Address.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.UDPServiceDestination</p>		
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperTxToServer [iphelper Tx To Server] (iphelperTxToNextHop)	long	This keeps track of the number of packets transmitted to the server.
<p>UDPServiceStats</p> <p>MIB entry name: genericUdpServiceDstEntry</p> <p>Entry description: An entry in Generic UDP Relay table</p> <p>Table description (for genericUdpServiceDstTable): This table defines the destination VLAN for the Generic UDP Relay Service. UDP packet with destination port genericUdpServiceUdpPort are forwarded to VLAN defined in genericUdpServiceDstVlan.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.UDPServiceDestination</p>		
udpTxToServer [Udp Tx To Server] (genericUdpServiceStatTxToVlan)	long	This keeps track of the number of packets transmitted to the destination VLAN with UDP destination port matching genericUdpServicePort.

38 OS 6250 performance statistics counters

38.1 Performance statistics counters

38.1.1 Counters

Table 705 aosqs statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqs.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 706 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
QoSPortQueueStats MIB entry name: alaQoSQueueStatsEntry Entry description: Definition of QoS Queue Stats Table description (for alaQoSQueueStatsTable): Table of QoS Queue Stats definitions Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
qoSQueueStatsBytesDropped [QoS Queue Stats Bytes Dropped] (alaQoSQueueStatsBytesDropped)	java. math. BigInteger	Number of bytes dropped trying to queue into this queue
qoSQueueStatsBytesSent [QoS Queue Stats Bytes Sent] (alaQoSQueueStatsBytesSent)	java. math. BigInteger	Number of bytes sent through the queue
qoSQueueStatsPacketsDropped [QoS Queue Stats Packets Dropped] (alaQoSQueueStatsPacketsDropped)	java. math. BigInteger	Number of packets dropped trying to queue into this queue
qoSQueueStatsPacketsSent [QoS Queue Stats Packets Sent] (alaQoSQueueStatsPacketsSent)	java. math. BigInteger	Number of packets sent through the queue

Table 706 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qoSQueueStatsPriority [QoSQueueStatsPriority] (alaQoSQueueStatsPriority)	int	Transmit priority for the queue
qoSQueueStatsRateDropped [QoSQueueStatsRateDropped] (alaQoSQueueStatsRateDropped)	java. math. BigInteger	Rate(Mbits/sec) dropped trying to queue into this queue
qoSQueueStatsRateSent [QoSQueueStatsRateSent] (alaQoSQueueStatsRateSent)	java. math. BigInteger	Rate(Mbits/sec) sent through the queue

Table 707 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 707 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 708 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats</p> <p>MIB entry name: alaErpStatsEntry</p> <p>Entry description: The Statistics table entry.</p> <p>Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 708 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	A count of the number of error R-APS PDUs received.

Table 709 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 709 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 710 layer2 statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
EServiceNNIPortL2ProtocolStats MIB entry name: alaEServiceNNIPortL2ProtocolStatisticsEntry Entry description: An E-Service NNI port L2 protocol statistics entry associated with port. Table description (for alaEServiceNNIPortL2ProtocolStatisticsTable): A table, that contains NNI port L2 protocol frame statistics. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
eServiceNNIPortID [EService NNIPort ID] (alaEServiceNNIPortID)	int	The interface index of the NNI.
eServiceNNIPortL2MACTunneledDiscardFrames [EService NNIPort L2 MACTunneled Discard Frames] (alaEServiceNNIPortL2MACTunneledDiscardFrames)	long	This object describes the total number of discarded frames that are trapped to CPU with tunnel MAC.
eServiceNNIPortL2RxMACTunneledFrames [EService NNIPort L2 Rx MACTunneled Frames] (alaEServiceNNIPortL2RxMACTunneledFrames)	long	This object describes the total number of frames trapped to CPU with tunnel MAC.

Table 710 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceUNIProfileCustomL2ProtocolStats MIB entry name: alaEServiceUNIProfileCustomL2ProtocolStatisticsEntry Entry description: An E-Service UNI profile L2 protocol RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIProfileCustomL2ProtocolStatisticsTable): A table, that contains UNI profile L2 protocol frame RX statistics of all ports of the profile. Each entry represents statistics collected for one protocol of the UNI profile. Supports realtime plotting Supports scheduled collection Monitored class: ethernetservice.UniProfile</p>		
eServiceUNIProfileCustomL2ProtocolIndex [EService UNIProfile Custom L2 Protocol Index] (alaEServiceUNIProfileCustomL2ProtocolIndex)	String	Name of the L2 protocol entry. Must be at least one character long.
eServiceUNIProfileCustomL2ProtocolRxFrames [EService UNIProfile Custom L2 Protocol Rx Frames] (alaEServiceUNIProfileCustomL2ProtocolRxFrames)	Long	This object describes the total number of frames of this protocol received on this port and trapped to CPU.
eServiceUNIProfileCustomL2ProtocolTreatment [EService UNIProfile Custom L2 Protocol Treatment] (alaEServiceUNIProfileCustomL2ProtocolTreatment)	Int	This object describes the behavior of the bridge in regards to the destination Mac address matching with the L2 Custom protocol entry mac address on the UNI. Tunnel (1) enables the PDU to be tunneled across the provider network. Discard (2) causes the PDU of the protocol to be discarded and not enter the provider network. Peer (3) means that on this port the bridge is to participate in the protocol. Mac-Tunnel (4) enables mac-tunneling.
eServiceUNIProfileCustomL2StatsProfileID [EService UNIProfile Custom L2 Stats Profile ID] (alaEServiceUNIProfileCustomL2StatsProfileID)	String	A label given to uniquely identify this profile. Must be at least one character long.

Table 710 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceUNIportL2ProtocolStats</p> <p>MIB entry name: alaEServiceUNIPortL2ProtocolStatisticsEntry</p> <p>Entry description: An E-Service Service UNI port L2 protocol statistics entry associated with an L2 protocol and a port entry.</p> <p>Table description (for alaEServiceUNIPortL2ProtocolStatisticsTable): A table, that contains UNI port L2 protocol frame statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
eServiceUNIPortL2DroppedFrames [EService UNIPort L2 Dropped Frames] (alaEServiceUNIPortL2DroppedFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and dropped.
eServiceUNIPortL2LastSourceMAC [EService UNIPort L2 Last Source MAC] (alaEServiceUNIPortL2LastSourceMAC)	String	This object specifies the source MAC address of last frame of this protocol on this port trapped to CPU
eServiceUNIPortL2MACDeTunneledFrames [EService UNIPort L2 MACDe Tunneled Frames] (alaEServiceUNIPortL2MACDeTunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and MAC de-tunneled.
eServiceUNIPortL2MACTunneledFrames [EService UNIPort L2 MACTunneled Frames] (alaEServiceUNIPortL2MACTunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and MAC tunneled.
eServiceUNIPortL2PeeredFrames [EService UNIPort L2 Peered Frames] (alaEServiceUNIPortL2PeeredFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and peered.

Table 710 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPortL2ProtocolID [EService UNIPort L2 Protocol ID] (alaEServiceUNIPortL2ProtocolID)	String	Name of the L2 protocol entry. Must be at least one character long.
eServiceUNIPortL2RxFrames [EService UNIPort L2 Rx Frames] (alaEServiceUNIPortL2RxFrames)	long	This object describes the total number of frames of this protocol received on this port and trapped to CPU.
eServiceUNIPortL2TunneledFrames [EService UNIPort L2 Tunneled Frames] (alaEServiceUNIPortL2TunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and tunneled.
EServiceUNIProfileIEEEEL2ProtocolStats MIB entry name: alaEServiceUNIProfileIEEEEL2ProtocolStatisticsEntry Entry description: An E-Service UNI profile L2 well known protocol RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIProfileIEEEEL2ProtocolStatisticsTable): A table, that contains UNI profile L2 well known protocol frame RX statistics of all ports of the profile Supports realtime plotting Supports scheduled collection Monitored class: ethernetService.UniProfile		
eServiceUNIProfileIEEEEL2ProfileID [EService UNIProfile IEEEEL2 Profile ID] (alaEServiceUNIProfileIEEEEL2ProfileID)	String	A label given to uniquely identify this profile. Must be at least one character long.
eServiceUNIProfileIEEEEL2ProtocolIndex [EService UNIProfile IEEEEL2 Protocol Index] (alaEServiceUNIProfileIEEEEL2ProtocolIndex)	int	This object specifies the well known protocol group this row corresponds to.

Table 710 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPProfileIEEEL2ProtocolRxFrames [EService UNIPProfile IEEEL2 Protocol Rx Frames] (alaEServiceUNIPProfileIEEEL2ProtocolRxFrames)	long	This object describes the number of frames this L2 well known protocol frames received by all the ports of bind to this profile.
eServiceUNIPProfileIEEEL2ProtocolTreatment [EService UNIPProfile IEEEL2 Protocol Treatment] (alaEServiceUNIPProfileIEEEL2ProtocolTreatment)	int	This object describes the behavior of the bridge in regards to the destination Mac address matching with the L2 Custom protocol entry mac address on the UNI. Tunnel (1) enables the PDU to be tunneled across the provider network. Discard (2) causes the PDU of the protocol to be discarded and not enter the provider network. Peer (3) means that on this port the bridge is to participate in the protocol. Mac-Tunnel (4) enables mac-tunneling.
<p>EServiceUNIPprofileL2ProtocolTotalStats</p> <p>MIB entry name: alaEServiceUNIPprofileL2ProtocolTotalStatisticsEntry</p> <p>Entry description: An E-Service UNI profile L2 protocol total RX statistics entry associated with all ports of the UNI profile.</p> <p>Table description (for alaEServiceUNIPprofileL2ProtocolTotalStatisticsTable): A table, that contains UNI profile L2 protocol frame total RX statistics of all ports of the profile</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernet.service.UniProfile</p>		
eServiceUNIPProfile [EService UNIPProfile] (alaEServiceUNIPProfile)	String	A label given to uniquely identify this profile. Must be at least one character long.
eServiceUNIPProfileL2ProtocolClearStats [EService UNIPProfile L2 Protocol Clear Stats] (alaEServiceUNIPProfileL2ProtocolClearStats)	int	This object is used to clear the UNI profile statistics of the interface.

Table 710 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPProfileL2ProtocolTotalRxFrames [EService UNIPProfile L2 Protocol Total Rx Frames] (alaEServiceUNIPProfileL2ProtocolTotalRxFrames)	long	This object describes the total number of frames L2 protocol frames received by all the ports of bind to this profile.

Table 711 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 711 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPConfiguration</p>		

Table 711 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 711 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (lldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (lldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: lldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for lldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the lldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (lldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 712 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 712 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 712 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 712 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 713 ntp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NTPServerStats</p> <p>MIB entry name: alaNtpStatsPeerEntry</p> <p>Entry description: Each entry corresponds to a synchronization host.</p> <p>Table description (for alaNtpStatsPeerTable): Table containing the synchronization host statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ntp.NTPServer</p>		
alaNtpStatsPeerAddress [Ala Ntp Stats Peer Address] (alaNtpStatsPeerAddress)	String	The InetAddress of the synchronization host.
alaNtpStatsPeerAddressType [Ala Ntp Stats Peer Address Type] (alaNtpStatsPeerAddressType)	int	The InetAddress type of the synchronization host. InetAddressIPv4 (1) is the only type currently supported.
alaNtpStatsPeerBadAuth [Ala Ntp Stats Peer Bad Auth] (alaNtpStatsPeerBadAuth)	long	The number of packets received with bad authentication.
alaNtpStatsPeerBadDispersion [Ala Ntp Stats Peer Bad Dispersion] (alaNtpStatsPeerBadDispersion)	long	The number bad dispersions.
alaNtpStatsPeerBadRefTime [Ala Ntp Stats Peer Bad Ref Time] (alaNtpStatsPeerBadRefTime)	long	The number of bad reference times received.
alaNtpStatsPeerBogusOrigin [Ala Ntp Stats Peer Bogus Origin] (alaNtpStatsPeerBogusOrigin)	long	The number of bogus packets.

Table 713 ntp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
alaNtpStatsPeerCandidateOrder [Ala Ntp Stats Peer Candidate Order] (alaNtpStatsPeerCandidateOrder)	long	The order of synchronization candidates.
alaNtpStatsPeerDuplicate [Ala Ntp Stats Peer Duplicate] (alaNtpStatsPeerDuplicate)	long	The number of duplicated packets received.
alaNtpStatsPeerLastRcv [Ala Ntp Stats Peer Last Rcv] (alaNtpStatsPeerLastRcv)	long	The time since the last packet was received.
alaNtpStatsPeerNextSend [Ala Ntp Stats Peer Next Send] (alaNtpStatsPeerNextSend)	long	The time until the next packet is to be sent.
alaNtpStatsPeerPacketsRcvd [Ala Ntp Stats Peer Packets Rcvd] (alaNtpStatsPeerPacketsRcvd)	long	The number of packets that have been received.
alaNtpStatsPeerPacketsSent [Ala Ntp Stats Peer Packets Sent] (alaNtpStatsPeerPacketsSent)	long	The number of packets that have been sent.
alaNtpStatsPeerReachChange [Ala Ntp Stats Peer Reach Change] (alaNtpStatsPeerReachChange)	long	The time that the peer has been reachable.
alaNtpStatsPeerReset [Ala Ntp Stats Peer Reset] (alaNtpStatsPeerReset)	long	The number of seconds since the statistics for this peer were last reset. Writing any value will reset the peer statistics.

Table 714 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 714 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 714 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 715 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
UDPPortStats MIB entry name: iphelperDhcpSnoopingPortEntry Entry description: A DHCP Snooping Port entry. Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.DHCPSnoopingPort		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 715 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServerStats</p> <p>MIB entry name: iphelperStatEntry</p> <p>Entry description: An entry in the stat table.</p> <p>Table description (for iphelperStatTable): This keeps statistics for each service by server address.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.UDPServiceDestination</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 715 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

39 OS 6400 performance statistics counters

39.1 Performance statistics counters

39.1.1 Counters

Table 716 aosqs statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqs.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 717 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardHealthStats</p> <p>MIB entry name: healthModuleEntry</p> <p>Entry description: A module entry containing objects for a module in a specific 'slot'.</p> <p>Table description (for healthModuleTable): A list of installed modules in this chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 717 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 718 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 718 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 719 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats</p> <p>MIB entry name: alaErpStatsEntry</p> <p>Entry description: The Statistics table entry.</p> <p>Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 719 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	A count of the number of error R-APS PDUs received.

Table 720 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 720 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 721 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 721 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 721 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 721 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 722 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortStatsRecieve MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored class: mvrp.Interface</p>		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 722 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 722 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 723 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `badValue`.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `genErr`.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 723 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 723 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 723 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 724 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AOSInterfaceStats MIB entry name: rip2IfStatEntry Entry description: A Single Routing Domain in a single Subnet. Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 725 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 725 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 725 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 726 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPPortStats</p> <p>MIB entry name: iphelperDhcpSnoopingPortEntry</p> <p>Entry description: A DHCP Snooping Port entry.</p> <p>Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.DHCPSnoopingPort</p>		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 726 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 726 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

40 OS 6450 performance statistics counters

40.1 Performance statistics counters

40.1.1 Counters

Table 727 aosqs statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqs.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 728 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
QoSPortQueueStats MIB entry name: alaQoSQueueStatsEntry Entry description: Definition of QoS Queue Stats Table description (for alaQoSQueueStatsTable): Table of QoS Queue Stats definitions Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
qoSQueueStatsBytesDropped [QoS Queue Stats Bytes Dropped] (alaQoSQueueStatsBytesDropped)	java. math. BigInteger	Number of bytes dropped trying to queue into this queue
qoSQueueStatsBytesSent [QoS Queue Stats Bytes Sent] (alaQoSQueueStatsBytesSent)	java. math. BigInteger	Number of bytes sent through the queue
qoSQueueStatsPacketsDropped [QoS Queue Stats Packets Dropped] (alaQoSQueueStatsPacketsDropped)	java. math. BigInteger	Number of packets dropped trying to queue into this queue
qoSQueueStatsPacketsSent [QoS Queue Stats Packets Sent] (alaQoSQueueStatsPacketsSent)	java. math. BigInteger	Number of packets sent through the queue

Table 728 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qoSQueueStatsPriority [QoSQueueStatsPriority] (alaQoSQueueStatsPriority)	int	Transmit priority for the queue
qoSQueueStatsRateDropped [QoSQueueStatsRateDropped] (alaQoSQueueStatsRateDropped)	java. math. BigInteger	Rate(Mbits/sec) dropped trying to queue into this queue
qoSQueueStatsRateSent [QoSQueueStatsRateSent] (alaQoSQueueStatsRateSent)	java. math. BigInteger	Rate(Mbits/sec) sent through the queue

Table 729 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 729 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 730 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats MIB entry name: alaErpStatsEntry Entry description: The Statistics table entry. Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis. Supports realtime plotting Supports scheduled collection Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 730 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	A count of the number of error R-APS PDUs received.

Table 731 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdup Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 731 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 732 layer2 statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceNNIPortL2ProtocolStats</p> <p>MIB entry name: alaEServiceNNIPortL2ProtocolStatisticsEntry</p> <p>Entry description: An E-Service NNI port L2 protocol statistics entry associated with port.</p> <p>Table description (for alaEServiceNNIPortL2ProtocolStatisticsTable): A table, that contains NNI port L2 protocol frame statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
eServiceNNIPortID [EService NNIPort ID] (alaEServiceNNIPortID)	int	The interface index of the NNI.
eServiceNNIPortL2MACTunneledDiscardFrames [EService NNIPort L2 MACTunneled Discard Frames] (alaEServiceNNIPortL2MACTunneledDiscardFrames)	long	This object describes the total number of discarded frames that are trapped to CPU with tunnel MAC.
eServiceNNIPortL2RxMACTunneledFrames [EService NNIPort L2 Rx MACTunneled Frames] (alaEServiceNNIPortL2RxMACTunneledFrames)	long	This object describes the total number of frames trapped to CPU with tunnel MAC.

Table 732 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceUNIProfileCustomL2ProtocolStats MIB entry name: alaEServiceUNIProfileCustomL2ProtocolStatisticsEntry Entry description: An E-Service UNI profile L2 protocol RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIProfileCustomL2ProtocolStatisticsTable): A table, that contains UNI profile L2 protocol frame RX statistics of all ports of the profile. Each entry represents statistics collected for one protocol of the UNI profile. Supports realtime plotting Supports scheduled collection Monitored class: ethernetservice.UniProfile</p>		
eServiceUNIProfileCustomL2ProtocolIndex [EService UNIProfile Custom L2 Protocol Index] (alaEServiceUNIProfileCustomL2ProtocolIndex)	String	Name of the L2 protocol entry. Must be at least one character long.
eServiceUNIProfileCustomL2ProtocolRxFrames [EService UNIProfile Custom L2 Protocol Rx Frames] (alaEServiceUNIProfileCustomL2ProtocolRxFrames)	Long	This object describes the total number of frames of this protocol received on this port and trapped to CPU.
eServiceUNIProfileCustomL2ProtocolTreatment [EService UNIProfile Custom L2 Protocol Treatment] (alaEServiceUNIProfileCustomL2ProtocolTreatment)	Int	This object describes the behavior of the bridge in regards to the destination Mac address matching with the L2 Custom protocol entry mac address on the UNI. Tunnel (1) enables the PDU to be tunneled across the provider network. Discard (2) causes the PDU of the protocol to be discarded and not enter the provider network. Peer (3) means that on this port the bridge is to participate in the protocol. Mac-Tunnel (4) enables mac-tunneling.
eServiceUNIProfileCustomL2StatsProfileID [EService UNIProfile Custom L2 Stats Profile ID] (alaEServiceUNIProfileCustomL2StatsProfileID)	String	A label given to uniquely identify this profile. Must be at least one character long.

Table 732 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceUNIportL2ProtocolStats</p> <p>MIB entry name: alaEServiceUNIPortL2ProtocolStatisticsEntry</p> <p>Entry description: An E-Service Service UNI port L2 protocol statistics entry associated with an L2 protocol and a port entry.</p> <p>Table description (for alaEServiceUNIPortL2ProtocolStatisticsTable): A table, that contains UNI port L2 protocol frame statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
eServiceUNIPortL2DroppedFrames [EService UNIPort L2 Dropped Frames] (alaEServiceUNIPortL2DroppedFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and dropped.
eServiceUNIPortL2LastSourceMAC [EService UNIPort L2 Last Source MAC] (alaEServiceUNIPortL2LastSourceMAC)	String	This object specifies the source MAC address of last frame of this protocol on this port trapped to CPU
eServiceUNIPortL2MACDeTunneledFrames [EService UNIPort L2 MACDe Tunneled Frames] (alaEServiceUNIPortL2MACDeTunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and MAC de-tunneled.
eServiceUNIPortL2MACTunneledFrames [EService UNIPort L2 MACTunneled Frames] (alaEServiceUNIPortL2MACTunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and MAC tunneled.
eServiceUNIPortL2PeeredFrames [EService UNIPort L2 Peered Frames] (alaEServiceUNIPortL2PeeredFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and peered.

Table 732 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPortL2ProtocolID [EService UNIPort L2 Protocol ID] (alaEServiceUNIPortL2ProtocolID)	String	Name of the L2 protocol entry. Must be at least one character long.
eServiceUNIPortL2RxFrames [EService UNIPort L2 Rx Frames] (alaEServiceUNIPortL2RxFrames)	long	This object describes the total number of frames of this protocol received on this port and trapped to CPU.
eServiceUNIPortL2TunneledFrames [EService UNIPort L2 Tunneled Frames] (alaEServiceUNIPortL2TunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and tunneled.
<p>EServiceUNIPortL2ProtocolStats</p> <p>MIB entry name: alaEServiceUNIPortL2ProtocolStatisticsEntry</p> <p>Entry description: An E-Service UNI profile L2 well known protocol RX statistics entry associated with all ports of the UNI profile.</p> <p>Table description (for alaEServiceUNIPortL2ProtocolStatisticsTable): A table, that contains UNI profile L2 well known protocol frame RX statistics of all ports of the profile</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetService.UniProfile</p>		
eServiceUNIPortL2ProfileID [EService UNIPort L2 Profile ID] (alaEServiceUNIPortL2ProfileID)	String	A label given to uniquely identify this profile. Must be at least one character long.
eServiceUNIPortL2ProtocolIndex [EService UNIPort L2 Protocol Index] (alaEServiceUNIPortL2ProtocolIndex)	int	This object specifies the well known protocol group this row corresponds to.

Table 732 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPProfileIEEEL2ProtocolRxFrames [EService UNIPProfile IEEEL2 Protocol Rx Frames] (alaEServiceUNIPProfileIEEEL2ProtocolRxFrames)	long	This object describes the number of frames this L2 well known protocol frames received by all the ports of bind to this profile.
eServiceUNIPProfileIEEEL2ProtocolTreatment [EService UNIPProfile IEEEL2 Protocol Treatment] (alaEServiceUNIPProfileIEEEL2ProtocolTreatment)	int	This object describes the behavior of the bridge in regards to the destination Mac address matching with the L2 Custom protocol entry mac address on the UNI. Tunnel (1) enables the PDU to be tunneled across the provider network. Discard (2) causes the PDU of the protocol to be discarded and not enter the provider network. Peer (3) means that on this port the bridge is to participate in the protocol. Mac-Tunnel (4) enables mac-tunneling.
<p>EServiceUNIPprofileL2ProtocolTotalStats MIB entry name: alaEServiceUNIPprofileL2ProtocolTotalStatisticsEntry Entry description: An E-Service UNI profile L2 protocol total RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIPprofileL2ProtocolTotalStatisticsTable): A table, that contains UNI profile L2 protocol frame total RX statistics of all ports of the profile Supports realtime plotting Supports scheduled collection Monitored class: ethernet.service.UniProfile</p>		
eServiceUNIPProfile [EService UNIPProfile] (alaEServiceUNIPProfile)	String	A label given to uniquely identify this profile. Must be at least one character long.
eServiceUNIPProfileL2ProtocolClearStats [EService UNIPProfile L2 Protocol Clear Stats] (alaEServiceUNIPProfileL2ProtocolClearStats)	int	This object is used to clear the UNI profile statistics of the interface.

Table 732 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPProfileL2ProtocolTotalRxFrames [EService UNIPProfile L2 Protocol Total Rx Frames] (alaEServiceUNIPProfileL2ProtocolTotalRxFrames)	long	This object describes the total number of frames L2 protocol frames received by all the ports of bind to this profile.

Table 733 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 733 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPConfiguration</p>		

Table 733 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 733 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 734 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 734 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 734 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 734 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 735 ntp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NTPServerStats MIB entry name: alaNtpStatsPeerEntry Entry description: Each entry corresponds to a synchronization host. Table description (for alaNtpStatsPeerTable): Table containing the synchronization host statistics. Supports realtime plotting Supports scheduled collection Monitored class: ntp.NTPServer</p>		
alaNtpStatsPeerAddress [Ala Ntp Stats Peer Address] (alaNtpStatsPeerAddress)	String	The InetAddress of the synchronization host.
alaNtpStatsPeerAddressType [Ala Ntp Stats Peer Address Type] (alaNtpStatsPeerAddressType)	int	The InetAddress type of the synchronization host. InetAddressIPv4 (1) is the only type currently supported.
alaNtpStatsPeerBadAuth [Ala Ntp Stats Peer Bad Auth] (alaNtpStatsPeerBadAuth)	long	The number of packets received with bad authentication.
alaNtpStatsPeerBadDispersion [Ala Ntp Stats Peer Bad Dispersion] (alaNtpStatsPeerBadDispersion)	long	The number bad dispersions.
alaNtpStatsPeerBadRefTime [Ala Ntp Stats Peer Bad Ref Time] (alaNtpStatsPeerBadRefTime)	long	The number of bad reference times received.
alaNtpStatsPeerBogusOrigin [Ala Ntp Stats Peer Bogus Origin] (alaNtpStatsPeerBogusOrigin)	long	The number of bogus packets.

Table 735 ntp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
alaNtpStatsPeerCandidateOrder [Ala Ntp Stats Peer Candidate Order] (alaNtpStatsPeerCandidateOrder)	long	The order of synchronization candidates.
alaNtpStatsPeerDuplicate [Ala Ntp Stats Peer Duplicate] (alaNtpStatsPeerDuplicate)	long	The number of duplicated packets received.
alaNtpStatsPeerLastRcv [Ala Ntp Stats Peer Last Rcv] (alaNtpStatsPeerLastRcv)	long	The time since the last packet was received.
alaNtpStatsPeerNextSend [Ala Ntp Stats Peer Next Send] (alaNtpStatsPeerNextSend)	long	The time until the next packet is to be sent.
alaNtpStatsPeerPacketsRcvd [Ala Ntp Stats Peer Packets Rcvd] (alaNtpStatsPeerPacketsRcvd)	long	The number of packets that have been received.
alaNtpStatsPeerPacketsSent [Ala Ntp Stats Peer Packets Sent] (alaNtpStatsPeerPacketsSent)	long	The number of packets that have been sent.
alaNtpStatsPeerReachChange [Ala Ntp Stats Peer Reach Change] (alaNtpStatsPeerReachChange)	long	The time that the peer has been reachable.
alaNtpStatsPeerReset [Ala Ntp Stats Peer Reset] (alaNtpStatsPeerReset)	long	The number of seconds since the statistics for this peer were last reset. Writing any value will reset the peer statistics.

Table 736 ptp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
EsmPtpStats MIB entry name: esmPtpStatsEntry Entry description: An entry corresponding to each port. Table description (for esmPtpStatsTable): The table lists the Statistics params of PTP. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort		
esmPtpStatsEgrPtpDrop [Esm Ptp Stats Egr Ptp Drop] (esmPtpStatsEgrPtpDrop)	long	The number of PTP packets dropped at egress by the port
esmPtpStatsEgrPtpUpdateRes [Esm Ptp Stats Egr Ptp Update Res] (esmPtpStatsEgrPtpUpdateRes)	long	The compliance statement for the esm per slot information.
esmPtpStatsEgrPtpv1 [Esm Ptp Stats Egr Ptpv 1] (esmPtpStatsEgrPtpv1)	long	The number of PTP V1 packets egress from the port
esmPtpStatsEgrPtpv2 [Esm Ptp Stats Egr Ptpv 2] (esmPtpStatsEgrPtpv2)	long	The number of PTP V2 packets egress from the port
esmPtpStatsIngPtpDrop [Esm Ptp Stats Ing Ptp Drop] (esmPtpStatsIngPtpDrop)	long	The number of PTP packets dropped at ingress by the port
esmPtpStatsIngPtpPigBag [Esm Ptp Stats Ing Ptp Pig Bag] (esmPtpStatsIngPtpPigBag)	long	The number of PTP Piggy Bag added to ingress packets in the port

Table 736 ptp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
esmPtpStatsIngPtpv1 [Esm Ptp Stats Ing Ptpv 1] (esmPtpStatsIngPtpv1)	long	The number of PTP V1 packets ingress in to the port
esmPtpStatsIngPtpv2 [Esm Ptp Stats Ing Ptpv 2] (esmPtpStatsIngPtpv2)	long	The number of PTP V2 packets ingress in to the port

Table 737 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 737 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 737 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 738 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPPortStats</p> <p>MIB entry name: iphelperDhcpSnoopingPortEntry</p> <p>Entry description: A DHCP Snooping Port entry.</p> <p>Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.DHCPSnoopingPort</p>		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 738 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServerStats</p> <p>MIB entry name: iphelperStatEntry</p> <p>Entry description: An entry in the stat table.</p> <p>Table description (for iphelperStatTable): This keeps statistics for each service by server address.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.UDPServiceDestination</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 738 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

41 OS 6850 and OS 6850E performance statistics counters

41.1 Performance statistics counters

41.1.1 Counters

Table 739 aosqos statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqos.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 740 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 740 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 741 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 741 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 742 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats</p> <p>MIB entry name: alaErpStatsEntry</p> <p>Entry description: The Statistics table entry.</p> <p>Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 742 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	A count of the number of error R-APS PDUs received.

Table 743 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 743 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 744 layer2 statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceNNIPortL2ProtocolStats</p> <p>MIB entry name: alaEServiceNNIPortL2ProtocolStatisticsEntry</p> <p>Entry description: An E-Service NNI port L2 protocol statistics entry associated with port.</p> <p>Table description (for alaEServiceNNIPortL2ProtocolStatisticsTable): A table, that contains NNI port L2 protocol frame statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
eServiceNNIPortID [EService NNIPort ID] (alaEServiceNNIPortID)	int	The interface index of the NNI.
eServiceNNIPortL2MACTunneledDiscardFrames [EService NNIPort L2 MACTunneled Discard Frames] (alaEServiceNNIPortL2MACTunneledDiscardFrames)	long	This object describes the total number of discarded frames that are trapped to CPU with tunnel MAC.
eServiceNNIPortL2RxMACTunneledFrames [EService NNIPort L2 Rx MACTunneled Frames] (alaEServiceNNIPortL2RxMACTunneledFrames)	long	This object describes the total number of frames trapped to CPU with tunnel MAC.

Table 744 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceUNIPprofileCustomL2ProtocolStats MIB entry name: alaEServiceUNIPprofileCustomL2ProtocolStatisticsEntry Entry description: An E-Service UNI profile L2 protocol RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIPprofileCustomL2ProtocolStatisticsTable): A table, that contains UNI profile L2 protocol frame RX statistics of all ports of the profile. Each entry represents statistics collected for one protocol of the UNI profile. Supports realtime plotting Supports scheduled collection Monitored class: ethernetservice.UniProfile</p>		
eServiceUNIPprofileCustomL2ProtocolIndex [EService UNIPprofile Custom L2 Protocol Index] (alaEServiceUNIPprofileCustomL2ProtocolIndex)	String	Name of the L2 protocol entry. Must be at least one character long.
eServiceUNIPprofileCustomL2ProtocolRxFrames [EService UNIPprofile Custom L2 Protocol Rx Frames] (alaEServiceUNIPprofileCustomL2ProtocolRxFrames)	Long	This object describes the total number of frames of this protocol received on this port and trapped to CPU.
eServiceUNIPprofileCustomL2ProtocolTreatment [EService UNIPprofile Custom L2 Protocol Treatment] (alaEServiceUNIPprofileCustomL2ProtocolTreatment)	Int	This object describes the behavior of the bridge in regards to the destination Mac address matching with the L2 Custom protocol entry mac address on the UNI. Tunnel (1) enables the PDU to be tunneled across the provider network. Discard (2) causes the PDU of the protocol to be discarded and not enter the provider network. Peer (3) means that on this port the bridge is to participate in the protocol. Mac-Tunnel (4) enables mac-tunneling.
eServiceUNIPprofileCustomL2StatsProfileID [EService UNIPprofile Custom L2 Stats Profile ID] (alaEServiceUNIPprofileCustomL2StatsProfileID)	String	A label given to uniquely identify this profile. Must be at least one character long.

Table 744 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EServiceUNIportL2ProtocolStats</p> <p>MIB entry name: alaEServiceUNIPortL2ProtocolStatisticsEntry</p> <p>Entry description: An E-Service Service UNI port L2 protocol statistics entry associated with an L2 protocol and a port entry.</p> <p>Table description (for alaEServiceUNIPortL2ProtocolStatisticsTable): A table, that contains UNI port L2 protocol frame statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
eServiceUNIPortL2DroppedFrames [EService UNIPort L2 Dropped Frames] (alaEServiceUNIPortL2DroppedFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and dropped.
eServiceUNIPortL2LastSourceMAC [EService UNIPort L2 Last Source MAC] (alaEServiceUNIPortL2LastSourceMAC)	String	This object specifies the source MAC address of last frame of this protocol on this port trapped to CPU
eServiceUNIPortL2MACDeTunneledFrames [EService UNIPort L2 MACDe Tunneled Frames] (alaEServiceUNIPortL2MACDeTunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and MAC de-tunneled.
eServiceUNIPortL2MACTunneledFrames [EService UNIPort L2 MACTunneled Frames] (alaEServiceUNIPortL2MACTunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and MAC tunneled.
eServiceUNIPortL2PeeredFrames [EService UNIPort L2 Peered Frames] (alaEServiceUNIPortL2PeeredFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and peered.

Table 744 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPortL2ProtocolID [EService UNIPort L2 Protocol ID] (alaEServiceUNIPortL2ProtocolID)	String	Name of the L2 protocol entry. Must be at least one character long.
eServiceUNIPortL2RxFrames [EService UNIPort L2 Rx Frames] (alaEServiceUNIPortL2RxFrames)	long	This object describes the total number of frames of this protocol received on this port and trapped to CPU.
eServiceUNIPortL2TunneledFrames [EService UNIPort L2 Tunneled Frames] (alaEServiceUNIPortL2TunneledFrames)	long	This object describes the total number of frames of this protocol received on this port trapped to CPU and tunneled.
EServiceUNIProfileIEEEEL2ProtocolStats MIB entry name: alaEServiceUNIProfileIEEEEL2ProtocolStatisticsEntry Entry description: An E-Service UNI profile L2 well known protocol RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIProfileIEEEEL2ProtocolStatisticsTable): A table, that contains UNI profile L2 well known protocol frame RX statistics of all ports of the profile Supports realtime plotting Supports scheduled collection Monitored class: ethernetService.UniProfile		
eServiceUNIProfileIEEEEL2ProfileID [EService UNIProfile IEEEEL2 Profile ID] (alaEServiceUNIProfileIEEEEL2ProfileID)	String	A label given to uniquely identify this profile. Must be at least one character long.
eServiceUNIProfileIEEEEL2ProtocolIndex [EService UNIProfile IEEEEL2 Protocol Index] (alaEServiceUNIProfileIEEEEL2ProtocolIndex)	int	This object specifies the well known protocol group this row corresponds to.

Table 744 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPProfileIEEEL2ProtocolRxFrames [EService UNIPProfile IEEEL2 Protocol Rx Frames] (alaEServiceUNIPProfileIEEEL2ProtocolRxFrames)	long	This object describes the number of frames this L2 well known protocol frames received by all the ports of bind to this profile.
eServiceUNIPProfileIEEEL2ProtocolTreatment [EService UNIPProfile IEEEL2 Protocol Treatment] (alaEServiceUNIPProfileIEEEL2ProtocolTreatment)	int	This object describes the behavior of the bridge in regards to the destination Mac address matching with the L2 Custom protocol entry mac address on the UNI. Tunnel (1) enables the PDU to be tunneled across the provider network. Discard (2) causes the PDU of the protocol to be discarded and not enter the provider network. Peer (3) means that on this port the bridge is to participate in the protocol. Mac-Tunnel (4) enables mac-tunneling.
<p>EServiceUNIPprofileL2ProtocolTotalStats MIB entry name: alaEServiceUNIPprofileL2ProtocolTotalStatisticsEntry Entry description: An E-Service UNI profile L2 protocol total RX statistics entry associated with all ports of the UNI profile. Table description (for alaEServiceUNIPprofileL2ProtocolTotalStatisticsTable): A table, that contains UNI profile L2 protocol frame total RX statistics of all ports of the profile Supports realtime plotting Supports scheduled collection Monitored class: ethernetservice.UniProfile</p>		
eServiceUNIPProfile [EService UNIPProfile] (alaEServiceUNIPProfile)	String	A label given to uniquely identify this profile. Must be at least one character long.
eServiceUNIPProfileL2ProtocolClearStats [EService UNIPProfile L2 Protocol Clear Stats] (alaEServiceUNIPProfileL2ProtocolClearStats)	int	This object is used to clear the UNI profile statistics of the interface.

Table 744 layer2 statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
eServiceUNIPProfileL2ProtocolTotalRxFrames [EService UNIPProfile L2 Protocol Total Rx Frames] (alaEServiceUNIPProfileL2ProtocolTotalRxFrames)	long	This object describes the total number of frames L2 protocol frames received by all the ports of bind to this profile.

Table 745 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 745 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 745 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 745 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (lldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (lldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: lldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for lldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the lldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (lldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 746 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortStatsRecieve MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored class: mvrp.Interface</p>		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 746 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 746 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 747 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `badValue`.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `genErr`.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 747 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 747 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 747 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 748 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AreaBasicStats MIB entry name: ospfAreaEntry Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas. Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas. Supports realtime plotting Supports scheduled collection Monitored class: ospf.AreaSite		
totalLSACount [Total LSACount] (ospfAreaLsaCount)	long	The total number of link-state advertisements in this area's link-state database, excluding AS External LSA's.
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
InterfaceGeneralStats MIB entry name: ospfIfEntry Entry description: The OSPF Interface Entry describes one interface from the viewpoint of OSPF. Table description (for ospfIfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
events [Events] (ospfIfEvents)	long	The number of times this OSPF interface has changed its state, or an error has occurred.

Table 748 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
NeighborGeneralStats MIB entry name: ospfNbrEntry Entry description: The information regarding a single neighbor. Table description (for ospfNbrTable): A table of non-virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfNbrLsRetransQLen)	long	The current length of the retransmission queue.
NeighborLinkStateStats MIB entry name: alaOspfNbrAugEntry Entry description: Additions to neighbor table Table description (for alaOspfNbrAugTable): Extensions to the ospfNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.OspfNeighbor		
outstandingLSAcks [Outstanding LSAcks] (alaOspfNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 748 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor
VirtualNeighborGeneralStats MIB entry name: ospfVirtNbrEntry Entry description: Virtual neighbor information. Table description (for ospfVirtNbrTable): A table of virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
events [Events] (ospfVirtNbrEvents)	long	The number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfVirtNbrLsRetransQLen)	long	The current length of the retransmission queue.
VirtualNeighborLinkStateStats MIB entry name: alaOspfVirtNbrAugEntry Entry description: Information regarding a single virtual neighbor. Table description (for alaOspfVirtNbrAugTable): Extensions to ospfVirtNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
outstandingLSAcks [Outstanding LSAcks] (alaOspfVirtNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor

Table 748 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRequests [Outstanding LSRequests] (alaOspfVirtNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfVirtNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor

Table 749 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AOSInterfaceStats MIB entry name: rip2IfStatEntry Entry description: A Single Routing Domain in a single Subnet. Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 750 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 750 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 750 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 751 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
UDPPortStats MIB entry name: iphelperDhcpSnoopingPortEntry Entry description: A DHCP Snooping Port entry. Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.DHCPSnoopingPort		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 751 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 751 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

42 OS 6855 performance statistics counters

42.1 Performance statistics counters

42.1.1 Counters

Table 752 aosqs statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqs.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 753 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 753 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 754 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 754 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 755 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats MIB entry name: alaErpStatsEntry Entry description: The Statistics table entry. Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis. Supports realtime plotting Supports scheduled collection Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 755 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	A count of the number of error R-APS PDUs received.

Table 756 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 756 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 757 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 757 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 757 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 757 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (lldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (lldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: lldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for lldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the lldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (lldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 758 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortStatsRecieve MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored class: mvrp.Interface</p>		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 758 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 758 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 759 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `badValue`.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `genErr`.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 759 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 759 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 759 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBig [Snmp Out Too Bigs] (snmpOutTooBig)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 760 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: ospfAreaEntry</p> <p>Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
totalLSACount [Total LSACount] (ospfAreaLsaCount)	long	The total number of link-state advertisements in this area's link-state database, excluding AS External LSA's.
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
<p>InterfaceGeneralStats</p> <p>MIB entry name: ospfIfEntry</p> <p>Entry description: The OSPF Interface Entry describes one interface from the viewpoint of OSPF.</p> <p>Table description (for ospfIfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (ospfIfEvents)	long	The number of times this OSPF interface has changed its state, or an error has occurred.

Table 760 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
NeighborGeneralStats MIB entry name: ospfNbrEntry Entry description: The information regarding a single neighbor. Table description (for ospfNbrTable): A table of non-virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfNbrLsRetransQLen)	long	The current length of the retransmission queue.
NeighborLinkStateStats MIB entry name: alaOspfNbrAugEntry Entry description: Additions to neighbor table Table description (for alaOspfNbrAugTable): Extensions to the ospfNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.OspfNeighbor		
outstandingLSAcks [Outstanding LSAcks] (alaOspfNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 760 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor
OspfStats MIB entry name: alaOspfGeneralTable Table description (for alcatelIND1OSPFMIBObjects): Branch For Open Shortest Path First (OSPF) Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Site		
activeAreas [Active Areas] (alaOspfTotalActiveAreas)	long	Total Number of active areas configured on this router
attachedAreas [Attached Areas] (alaOspfTotalAreas)	long	Total Number of areas configured on this router
attachedNSSAs [Attached NSSAs] (alaOspfTotalNSSA)	long	Total Number of NSSA areas on this router
exchStateNbrs [Exch State Nbrs] (alaOspfTotalExchNbrs)	long	Number of EXCHANGE state neighbors on this router
fullStateNbrs [Full State Nbrs] (alaOspfTotalFullNbrs)	long	Number of FULL state neighbors on this router

Table 760 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
incrSpfRunsDone [Incr Spf Runs Done] (alaOspfTotalIncrSpfRuns)	long	Total number of Incremental SPF runs performed on this router
initStateNbrs [Init State Nbrs] (alaOspfTotalInitNbrs)	long	Number of INIT state neighbors on this router
newLsasOriginated [New Lsas Originated] (ospfOriginateNewLsas)	long	The number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (ospfRxNewLsas)	long	The number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
routeCount [Route Count] (alaOspfRouteNumber)	long	The number of network routes in OSPF routing table.
spfRunsDone [Spf Runs Done] (alaOspfTotalSpfRuns)	long	Total number of SPF runs performed on this router
transitAreas [Transit Areas] (alaOspfTotalTransitAreas)	long	Number of transit areas on this router
twoWayStateNbrs [Two Way State Nbrs] (alaOspfTotal2wayNbrs)	long	Number of 2-way state neighbors on this router

Table 760 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
VirtualNeighborGeneralStats MIB entry name: ospfVirtNbrEntry Entry description: Virtual neighbor information. Table description (for ospfVirtNbrTable): A table of virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
events [Events] (ospfVirtNbrEvents)	long	The number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfVirtNbrLsRetransQLen)	long	The current length of the retransmission queue.
VirtualNeighborLinkStateStats MIB entry name: alaOspfVirtNbrAugEntry Entry description: Information regarding a single virtual neighbor. Table description (for alaOspfVirtNbrAugTable): Extensions to ospfVirtNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
outstandingLSAcks [Outstanding LSAcks] (alaOspfVirtNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfVirtNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 760 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfVirtNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor

Table 761 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
AOSInterfaceStats MIB entry name: rip2IfStatEntry Entry description: A Single Routing Domain in a single Subnet. Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 762 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 762 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 762 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 763 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
UDPPortStats MIB entry name: iphelperDhcpSnoopingPortEntry Entry description: A DHCP Snooping Port entry. Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.DHCPSnoopingPort		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 763 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 763 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

43 OS 6860 and OS 6860E performance statistics counters

43.1 Performance statistics counters

43.1.1 Counters

Table 764 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot</p>		
cpu1DayAvg [Cpu 1 Day Avg] (healthModuleCpu1DayAvg)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
memory1DayAvg [Memory 1 Day Avg] (healthModuleMemory1DayAvg)	long	Maximum one-minute module-level memory utilization over the last hour (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rx1DayAvg [Rx 1 Day Avg] (healthModuleRx1DayAvg)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxTx1DayAvg [Rx Tx 1 Day Avg] (healthModuleRxTx1DayAvg)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many when running in virtual chassis mode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasCPMAHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for the CPMA control module board. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 764 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 765 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 765 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 766 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PathEndPointStats MIB entry name: alaErpStatsEntry Entry description: The Statistics table entry. Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis. Supports realtime plotting Supports scheduled collection Monitored class: ethring.PathEndpoint		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 766 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	The trap shall be raised whenever the ring is removed dynamically in Unlike NI Scenario only.

Table 767 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 767 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 768 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 768 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 768 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 768 lldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (lldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
lldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (lldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: lldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for lldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the lldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lldp.LLDPPortConfiguration</p>		
lldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (lldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 769 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 769 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was 'badValue'.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was 'genErr'.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.

Table 769 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.

Table 769 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status was 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.

Table 769 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was `tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 770 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: ospfAreaEntry</p> <p>Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas. The interfaces and virtual links are configured as part of these areas. Area 0.0.0.0, by definition, is the backbone area. Information in this table is persistent and when this object is written the entity SHOULD save the change to non-volatile storage.</p> <p>Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas. The interfaces and virtual links are configured as part of these areas. Area 0.0.0.0, by definition, is the backbone area.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
totalLSACount [Total LSACount] (ospfAreaLsaCount)	long	The total number of link state advertisements in this area's link state database, excluding AS-external LSAs.
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link state database. This is typically done using Dijkstra's algorithm. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
<p>InterfaceGeneralStats</p> <p>MIB entry name: ospflfEntry</p> <p>Entry description: The OSPF interface entry describes one interface from the viewpoint of OSPF. Information in this table is persistent and when this object is written the entity SHOULD save the change to non-volatile storage.</p> <p>Table description (for ospflfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF. It augments the ipAddrTable with OSPF specific information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		

Table 770 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (ospfIfEvents)	long	The number of times this OSPF interface has changed its state or an error has occurred. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
NeighborGeneralStats MIB entry name: ospfNbrEntry Entry description: The information regarding a single neighbor. Information in this table is persistent and when this object is written the entity SHOULD save the change to non-volatile storage. Table description (for ospfNbrTable): A table describing all non-virtual neighbors in the locality of the OSPF router. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state or an error has occurred. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
retransmissionQueueLength [Retransmission Queue Length] (ospfNbrLsRetransQLen)	long	The current length of the retransmission queue.
NeighborLinkStateStats MIB entry name: alaOspfNbrAugEntry Entry description: Additions to neighbor table Table description (for alaOspfNbrAugTable): Extensions to the ospfNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.OspfNeighbor		

Table 770 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSAcks [Outstanding LSAcks] (alaOspfNbrPendingLSAck)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor
OspfStats MIB entry name: alaOspfGeneralTable Table description (for alcatelIND1OSPFMIBObjects): Branch For Open Shortest Path First (OSPF) Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Site		
activeAreas [Active Areas] (alaOspfTotalActiveAreas)	long	Total Number of active areas configured on this router
attachedAreas [Attached Areas] (alaOspfTotalAreas)	long	Total Number of areas configured on this router
attachedNSSAs [Attached NSSAs] (alaOspfTotalNSSA)	long	Total Number of NSSA areas on this router

Table 770 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
exchStateNbrs [Exch State Nbrs] (alaOspfTotalExchNbrs)	long	Number of EXCHANGE state neighbors on this router
fullStateNbrs [Full State Nbrs] (alaOspfTotalFullNbrs)	long	Number of FULL state neighbors on this router
incrSpfRunsDone [Incr Spf Runs Done] (alaOspfTotalIncrSpfRuns)	long	Total number of Incremental SPF runs performed on this router
initStateNbrs [Init State Nbrs] (alaOspfTotalInitNbrs)	long	Number of INIT state neighbors on this router
newLsasOriginated [New Lsas Originated] (ospfOriginateNewLsas)	long	The number of new link state advertisements that have been originated. This number is incremented each time the router originates a new LSA. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
newLsasReceived [New Lsas Received] (ospfRxNewLsas)	long	The number of link state advertisements received that are determined to be new instantiations. This number does not include newer instantiations of self-originated link state advertisements. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
routeCount [Route Count] (alaOspfRouteNumber)	long	The number of network routes in OSPF routing table.

Table 770 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spfRunsDone [Spf Runs Done] (alaOspfTotalSpfRuns)	long	Total number of SPF runs performed on this router
transitAreas [Transit Areas] (alaOspfTotalTransitAreas)	long	Number of transit areas on this router
twoWayStateNbrs [Two Way State Nbrs] (alaOspfTotal2wayNbrs)	long	Number of 2-way state neighbors on this router
VirtualNeighborGeneralStats MIB entry name: ospfVirtNbrEntry Entry description: Virtual neighbor information. Table description (for ospfVirtNbrTable): This table describes all virtual neighbors. Since virtual links are configured in the Virtual Interface Table, this table is read-only. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
events [Events] (ospfVirtNbrEvents)	long	The number of times this virtual link has changed its state or an error has occurred. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
retransmissionQueueLength [Retransmission Queue Length] (ospfVirtNbrLsRetransQLen)	long	The current length of the retransmission queue.

Table 770 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualNeighborLinkStateStats MIB entry name: alaOspfVirtNbrAugEntry Entry description: Information regarding a single virtual neighbor. Table description (for alaOspfVirtNbrAugTable): Extensions to ospfVirtNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
outstandingLSAcks [Outstanding LSAcks] (alaOspfVirtNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfVirtNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfVirtNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor

Table 771 pbbvlan statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SPBServicesMeshSdpStats MIB entry name: alaSdpBindEntry Entry description: Information about a specific SDP binding. Table description (for alaSdpBindTable): A table that contains SDP binding information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pbbvlan.Site • svt.VlanPBEdgeMeshSdpBinding 		
egressByteCount [Egress Byte Count] (alaSdpBindEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this SDP Bind.
egressPacketCount [Egress Packet Count] (alaSdpBindEgressPacketCount)	long	The total egress packet count flowing through this SDP Bind.
ingressByteCount [Ingress Byte Count] (alaSdpBindIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this SDP Bind.
ingressPacketCount [Ingress Packet Count] (alaSdpBindIngressPacketCount)	long	The total ingress packet count flowing through this SDP Bind.

Table 771 pbbvlan statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SPBServicesSapStats</p> <p>MIB entry name: alaSapBaselInfoEntry</p> <p>Entry description: Information about a specific SAP.</p> <p>Table description (for alaSapBaselInfoTable): A table that contains basic SAP information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • pbbvlan.L2AccessInterface • pbbvlan.Site 		
egressByteCount [Egress Byte Count] (alaSapEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this SAP.
egressPacketCount [Egress Packet Count] (alaSapEgressPacketCount)	long	The total egress packet count flowing through this SAP.
ingressByteCount [Ingress Byte Count] (alaSapIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this SAP.
ingressPacketCount [Ingress Packet Count] (alaSapIngressPacketCount)	long	The total ingress packet count flowing through this SAP.

Table 771 pbbvlan statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SPBServicesSiteStats</p> <p>MIB entry name: alaSvcBaseInfoEntry</p> <p>Entry description: Basic information about a specific service.</p> <p>Table description (for alaSvcBaseInfoTable): A table that contains basic service information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: pbbvlan.Site</p>		
egressByteCount [Egress Byte Count] (alaSvcEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this service.
egressPacketCount [Egress Packet Count] (alaSvcEgressPacketCount)	long	The total egress packet count flowing through this service.
ingressByteCount [Ingress Byte Count] (alaSvcIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this service.
ingressPacketCount [Ingress Packet Count] (alaSvcIngressPacketCount)	long	The total ingress packet count flowing through this service.

Table 772 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AOSInterfaceStats</p> <p>MIB entry name: rip2IfStatEntry</p> <p>Entry description: A Single Routing Domain in a single Subnet.</p> <p>Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 773 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 773 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 773 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 774 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpHelperStats MIB entry name: iphelperMIB Table description (for alcatelIND1UDPRelayMIBObjects): Branch For UDP Relay Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPRelayService</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation.
<p>UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each next hop IP Address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination</p>		

Table 774 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperTxToServer [iphelper Tx To Server] (iphelperTxToNextHop)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: genericUdpServiceDstEntry Entry description: An entry in Generic UDP Relay table Table description (for genericUdpServiceDstTable): This table defines the destination VLAN for the Generic UDP Relay Service. UDP packet with destination port genericUdpServiceUdpPort are forwarded to VLAN defined in genericUdpServiceDstVlan. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpTxToServer [Udp Tx To Server] (genericUdpServiceStatTxToVlan)	long	This keeps track of the number of packets transmitted to the destination VLAN with UDP destination port matching genericUdpServicePort.

44 OS 6900 performance statistics counters

44.1 Performance statistics counters

44.1.1 Counters

Table 775 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CardHealthStats</p> <p>MIB entry name: healthModuleEntry</p> <p>Entry description: A module entry containing objects for a module in a specific 'slot'.</p> <p>Table description (for healthModuleTable): A list of installed modules in this chassis.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.CardSlot</p>		
cpu1DayAvg [Cpu 1 Day Avg] (healthModuleCpu1DayAvg)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
memory1DayAvg [Memory 1 Day Avg] (healthModuleMemory1DayAvg)	long	Maximum one-minute module-level memory utilization over the last hour (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rx1DayAvg [Rx 1 Day Avg] (healthModuleRx1DayAvg)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxTx1DayAvg [Rx Tx 1 Day Avg] (healthModuleRxTx1DayAvg)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many when running in virtual chassis mode.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasCPMAHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for the CPMA control module board. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 775 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 776 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 776 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 777 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PathEndPointStats MIB entry name: alaErpStatsEntry Entry description: The Statistics table entry. Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis. Supports realtime plotting Supports scheduled collection Monitored class: ethring.PathEndpoint		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 777 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	The trap shall be raised whenever the ring is removed dynamically in Unlike NI Scenario only.

Table 778 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 778 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 779 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 779 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 779 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 779 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 780 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement</p>		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 780 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `badValue`.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `genErr`.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.

Table 780 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field was `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.

Table 780 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status was 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.

Table 780 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field was `tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 781 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: ospfAreaEntry</p> <p>Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas. The interfaces and virtual links are configured as part of these areas. Area 0.0.0.0, by definition, is the backbone area. Information in this table is persistent and when this object is written the entity SHOULD save the change to non-volatile storage.</p> <p>Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas. The interfaces and virtual links are configured as part of these areas. Area 0.0.0.0, by definition, is the backbone area.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
totalLSACount [Total LSACount] (ospfAreaLsaCount)	long	The total number of link state advertisements in this area's link state database, excluding AS-external LSAs.
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link state database. This is typically done using Dijkstra's algorithm. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
<p>InterfaceGeneralStats</p> <p>MIB entry name: ospflfEntry</p> <p>Entry description: The OSPF interface entry describes one interface from the viewpoint of OSPF. Information in this table is persistent and when this object is written the entity SHOULD save the change to non-volatile storage.</p> <p>Table description (for ospflfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF. It augments the ipAddrTable with OSPF specific information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		

Table 781 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (ospfIfEvents)	long	The number of times this OSPF interface has changed its state or an error has occurred. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
NeighborGeneralStats MIB entry name: ospfNbrEntry Entry description: The information regarding a single neighbor. Information in this table is persistent and when this object is written the entity SHOULD save the change to non-volatile storage. Table description (for ospfNbrTable): A table describing all non-virtual neighbors in the locality of the OSPF router. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state or an error has occurred. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
retransmissionQueueLength [Retransmission Queue Length] (ospfNbrLsRetransQLen)	long	The current length of the retransmission queue.
NeighborLinkStateStats MIB entry name: alaOspfNbrAugEntry Entry description: Additions to neighbor table Table description (for alaOspfNbrAugTable): Extensions to the ospfNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.OspfNeighbor		

Table 781 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSAcks [Outstanding LSAcks] (alaOspfNbrPendingLSAck)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor
OspfStats MIB entry name: alaOspfGeneralTable Table description (for alcatelIND1OSPFMIBObjects): Branch For Open Shortest Path First (OSPF) Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Site		
activeAreas [Active Areas] (alaOspfTotalActiveAreas)	long	Total Number of active areas configured on this router
attachedAreas [Attached Areas] (alaOspfTotalAreas)	long	Total Number of areas configured on this router
attachedNSSAs [Attached NSSAs] (alaOspfTotalNSSA)	long	Total Number of NSSA areas on this router

Table 781 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
exchStateNbrs [Exch State Nbrs] (alaOspfTotalExchNbrs)	long	Number of EXCHANGE state neighbors on this router
fullStateNbrs [Full State Nbrs] (alaOspfTotalFullNbrs)	long	Number of FULL state neighbors on this router
incrSpfRunsDone [Incr Spf Runs Done] (alaOspfTotalIncrSpfRuns)	long	Total number of Incremental SPF runs performed on this router
initStateNbrs [Init State Nbrs] (alaOspfTotalInitNbrs)	long	Number of INIT state neighbors on this router
newLsasOriginated [New Lsas Originated] (ospfOriginateNewLsas)	long	The number of new link state advertisements that have been originated. This number is incremented each time the router originates a new LSA. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
newLsasReceived [New Lsas Received] (ospfRxNewLsas)	long	The number of link state advertisements received that are determined to be new instantiations. This number does not include newer instantiations of self-originated link state advertisements. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
routeCount [Route Count] (alaOspfRouteNumber)	long	The number of network routes in OSPF routing table.

Table 781 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
spfRunsDone [Spf Runs Done] (alaOspfTotalSpfRuns)	long	Total number of SPF runs performed on this router
transitAreas [Transit Areas] (alaOspfTotalTransitAreas)	long	Number of transit areas on this router
twoWayStateNbrs [Two Way State Nbrs] (alaOspfTotal2wayNbrs)	long	Number of 2-way state neighbors on this router
VirtualNeighborGeneralStats MIB entry name: ospfVirtNbrEntry Entry description: Virtual neighbor information. Table description (for ospfVirtNbrTable): This table describes all virtual neighbors. Since virtual links are configured in the Virtual Interface Table, this table is read-only. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor		
events [Events] (ospfVirtNbrEvents)	long	The number of times this virtual link has changed its state or an error has occurred. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ospfDiscontinuityTime.
retransmissionQueueLength [Retransmission Queue Length] (ospfVirtNbrLsRetransQLen)	long	The current length of the retransmission queue.

Table 781 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualNeighborLinkStateStats MIB entry name: alaOspfVirtNbrAugEntry Entry description: Information regarding a single virtual neighbor. Table description (for alaOspfVirtNbrAugTable): Extensions to ospfVirtNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
outstandingLSAcks [Outstanding LSAcks] (alaOspfVirtNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfVirtNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfVirtNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor

Table 782 pbbvlan statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SPBServicesMeshSdpStats MIB entry name: alaSdpBindEntry Entry description: Information about a specific SDP binding. Table description (for alaSdpBindTable): A table that contains SDP binding information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pbbvlan.Site • svt.VlanPBEdgeMeshSdpBinding 		
egressByteCount [Egress Byte Count] (alaSdpBindEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this SDP Bind.
egressPacketCount [Egress Packet Count] (alaSdpBindEgressPacketCount)	long	The total egress packet count flowing through this SDP Bind.
ingressByteCount [Ingress Byte Count] (alaSdpBindIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this SDP Bind.
ingressPacketCount [Ingress Packet Count] (alaSdpBindIngressPacketCount)	long	The total ingress packet count flowing through this SDP Bind.

Table 782 pbbvlan statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SPBServicesSapStats MIB entry name: alaSapBaselInfoEntry Entry description: Information about a specific SAP. Table description (for alaSapBaselInfoTable): A table that contains basic SAP information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • pbbvlan.L2AccessInterface • pbbvlan.Site </p>		
egressByteCount [Egress Byte Count] (alaSapEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this SAP.
egressPacketCount [Egress Packet Count] (alaSapEgressPacketCount)	long	The total egress packet count flowing through this SAP.
ingressByteCount [Ingress Byte Count] (alaSapIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this SAP.
ingressPacketCount [Ingress Packet Count] (alaSapIngressPacketCount)	long	The total ingress packet count flowing through this SAP.

Table 782 pbbvlan statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SPBServicesSiteStats MIB entry name: alaSvcBaseInfoEntry Entry description: Basic information about a specific service. Table description (for alaSvcBaseInfoTable): A table that contains basic service information. Supports realtime plotting Supports scheduled collection Monitored class: pbbvlan.Site		
egressByteCount [Egress Byte Count] (alaSvcEgressByteCount)	java. math. BigInteger	The total egress byte count flowing through this service.
egressPacketCount [Egress Packet Count] (alaSvcEgressPacketCount)	long	The total egress packet count flowing through this service.
ingressByteCount [Ingress Byte Count] (alaSvcIngressByteCount)	java. math. BigInteger	The total ingress byte count flowing through this service.
ingressPacketCount [Ingress Packet Count] (alaSvcIngressPacketCount)	long	The total ingress packet count flowing through this service.

Table 783 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AOSInterfaceStats</p> <p>MIB entry name: rip2IfStatEntry</p> <p>Entry description: A Single Routing Domain in a single Subnet.</p> <p>Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 784 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 784 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 784 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 785 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>IpHelperStats MIB entry name: iphelperMIB Table description (for alcatelIND1UDPRelayMIBObjects): Branch For UDP Relay Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPRelayService</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation.
<p>UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each next hop IP Address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination</p>		

Table 785 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperTxToServer [iphelper Tx To Server] (iphelperTxToNextHop)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: genericUdpServiceDstEntry Entry description: An entry in Generic UDP Relay table Table description (for genericUdpServiceDstTable): This table defines the destination VLAN for the Generic UDP Relay Service. UDP packet with destination port genericUdpServiceUdpPort are forwarded to VLAN defined in genericUdpServiceDstVlan. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpTxToServer [Udp Tx To Server] (genericUdpServiceStatTxToVlan)	long	This keeps track of the number of packets transmitted to the destination VLAN with UDP destination port matching genericUdpServicePort.

45 OS 9600 performance statistics counters

45.1 Performance statistics counters

45.1.1 Counters

Table 786 aosqos statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqos.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 787 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 787 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 788 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 788 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 789 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 789 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 790 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 790 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 790 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 790 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 791 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortStatsRecieve</p> <p>MIB entry name: alaMvrpPortStatsEntry</p> <p>Entry description: A MVRP port statistics entry.</p> <p>Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mvrp.Interface</p>		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 791 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 791 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 792 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `badValue`.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `genErr`.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 792 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 792 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 792 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBig [Snmp Out Too Bigs] (snmpOutTooBig)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 793 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 793 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 793 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 794 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPPortStats</p> <p>MIB entry name: iphelperDhcpSnoopingPortEntry</p> <p>Entry description: A DHCP Snooping Port entry.</p> <p>Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.DHCPSnoopingPort</p>		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 794 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPServiceStats</p> <p>MIB entry name: iphelperStatEntry</p> <p>Entry description: An entry in the stat table.</p> <p>Table description (for iphelperStatTable): This keeps statistics for each service by server address.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.UDPServiceDestination</p>		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 794 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

46 OS 9700 performance statistics counters

46.1 Performance statistics counters

46.1.1 Counters

Table 795 aosqos statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqos.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 796 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 796 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 797 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 797 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 798 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 798 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker-ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 799 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 799 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPConfiguration</p>		

Table 799 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 799 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 800 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortStatsRecieve MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored class: mvrp.Interface</p>		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 800 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 800 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 801 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 801 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 801 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 801 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBig [Snmp Out Too Bigs] (snmpOutTooBig)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 802 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 802 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 802 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 803 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPPortStats</p> <p>MIB entry name: iphelperDhcpSnoopingPortEntry</p> <p>Entry description: A DHCP Snooping Port entry.</p> <p>Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.DHCPSnoopingPort</p>		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 803 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
UDPServiceStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 803 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
<p>UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination</p>		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

47 OS 9700E and OS 9800E performance statistics counters

47.1 Performance statistics counters

47.1.1 Counters

Table 804 aosqs statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqs.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 805 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 805 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 806 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 806 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 807 ethring statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PathEndPointStats MIB entry name: alaErpStatsEntry Entry description: The Statistics table entry. Table description (for alaErpStatsTable): There is one ERP Stats table per bridge. This table contains the statistics for the ERP on per Ring basis. Supports realtime plotting Supports scheduled collection Monitored class: ethring.PathEndpoint</p>		
noRequestPduDrop [No Request Pdu Drop] (alaErpStatsNoRequestPduDrop)	long	A count of the number of valid R-APS (NR) PDUs dropped.
noRequestPduRx [No Request Pdu Rx] (alaErpStatsNoRequestPduTx)	long	A count of the number of R-APS (NR) PDUs transmitted on this interface for this Ring.
noRequestPduTx [No Request Pdu Tx] (alaErpStatsNoRequestPduRx)	long	A count of the number of valid R-APS (NR) PDUs received on this interface for this Ring.
rplBlockPDUDrop [Rpl Block PDUDrop] (alaErpStatsRPLBlockPDUDrop)	long	A count of the number of valid R-APS (NR, RB) PDUs dropped.
rplBlockPDURx [Rpl Block PDURx] (alaErpStatsRPLBlockPDURx)	long	A count of the number of valid R-APS (NR, RB) PDUs received on this interface for this Ring.
rplBlockPDUTx [Rpl Block PDUTx] (alaErpStatsRPLBlockPDUTx)	long	A count of the number of R-APS (NR, RB) PDUs transmitted on this interface for this Ring.

Table 807 ethring statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signalFailPduDrop [Signal Fail Pdu Drop] (alaErpStatsSignalFailPduDrop)	long	A count of the number of valid R-APS (SF) PDUs dropped.
signalFailPduRx [Signal Fail Pdu Rx] (alaErpStatsSignalFailPduRx)	long	A count of the number of valid R-APS (SF) PDUs received on this interface for this Ring.
signalFailPduTx [Signal Fail Pdu Tx] (alaErpStatsSignalFailPduTx)	long	A count of the number of R-APS (SF) PDUs transmitted on this interface for this Ring.
statsPDUErr [Stats PDUErr] (alaErpStatsPDUErr)	long	A count of the number of error R-APS PDUs received.

Table 808 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 808 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker- ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 809 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of active (i.e. operationally up) targeted sessions associated with the LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.

Table 809 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 810 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 810 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPConfiguration</p>		

Table 810 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 810 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 811 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	This object counts the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	This object counts the number of detour LSPs that terminate at this virtual router.
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	This object counts the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	This object counts the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	This object counts the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	This object counts the number of dynamic LSPs that transit through this virtual router.

Table 811 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	This object counts the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	This object counts the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	This object counts the number of static LSPs that transit through this virtual router.

Table 812 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
PortStatsRecieve MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored class: mvrp.Interface		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 812 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 812 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 813 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 813 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmplnGetRequests [Snmpln Get Requests] (snmplnGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnGetResponses [Snmpln Get Responses] (snmplnGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnNoSuchNames [Snmpln No Such Names] (snmplnNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmplnPkts [Snmpln Pkts] (snmplnPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmplnReadOnlys [Snmpln Read Onlys] (snmplnReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmplnSetRequests [Snmpln Set Requests] (snmplnSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmplnTooBigs [Snmpln Too Bigs] (snmplnTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmplnTotalReqVars [Snmpln Total Req Vars] (snmplnTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 813 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 813 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 814 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: ospfAreaEntry</p> <p>Entry description: Information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for ospfAreaTable): Information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
totalLSACount [Total LSACount] (ospfAreaLsaCount)	long	The total number of link-state advertisements in this area's link-state database, excluding AS External LSA's.
totalSpfRuns [Total Spf Runs] (ospfSpfRuns)	long	The number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
<p>InterfaceGeneralStats</p> <p>MIB entry name: ospflfEntry</p> <p>Entry description: The OSPF Interface Entry describes one interface from the viewpoint of OSPF.</p> <p>Table description (for ospflfTable): The OSPF Interface Table describes the interfaces from the viewpoint of OSPF.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (ospflfEvents)	long	The number of times this OSPF interface has changed its state, or an error has occurred.

Table 814 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
NeighborGeneralStats MIB entry name: ospfNbrEntry Entry description: The information regarding a single neighbor. Table description (for ospfNbrTable): A table of non-virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (ospfNbrEvents)	long	The number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfNbrLsRetransQLen)	long	The current length of the retransmission queue.
NeighborLinkStateStats MIB entry name: alaOspfNbrAugEntry Entry description: Additions to neighbor table Table description (for alaOspfNbrAugTable): Extensions to the ospfNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.OspfNeighbor		
outstandingLSAcks [Outstanding LSAs] (alaOspfNbrPendingLSAck)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfNbrPendingLSReq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 814 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor
OspfStats MIB entry name: alaOspfGeneralTable Table description (for alcatelIND1OSPFMIBObjects): Branch For Open Shortest Path First (OSPF) Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Site		
activeAreas [Active Areas] (alaOspfTotalActiveAreas)	long	Total Number of active areas configured on this router
attachedAreas [Attached Areas] (alaOspfTotalAreas)	long	Total Number of areas configured on this router
attachedNSSAs [Attached NSSAs] (alaOspfTotalNSSA)	long	Total Number of NSSA areas on this router
exchStateNbrs [Exch State Nbrs] (alaOspfTotalExchNbrs)	long	Number of EXCHANGE state neighbors on this router
fullStateNbrs [Full State Nbrs] (alaOspfTotalFullNbrs)	long	Number of FULL state neighbors on this router

Table 814 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
incrSpfRunsDone [Incr Spf Runs Done] (alaOspfTotalIncrSpfRuns)	long	Total number of Incremental SPF runs performed on this router
initStateNbrs [Init State Nbrs] (alaOspfTotalInitNbrs)	long	Number of INIT state neighbors on this router
newLsasOriginated [New Lsas Originated] (ospfOriginateNewLsas)	long	The number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (ospfRxNewLsas)	long	The number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
routeCount [Route Count] (alaOspfRouteNumber)	long	The number of network routes in OSPF routing table.
spfRunsDone [Spf Runs Done] (alaOspfTotalSpfRuns)	long	Total number of SPF runs performed on this router
transitAreas [Transit Areas] (alaOspfTotalTransitAreas)	long	Number of transit areas on this router
twoWayStateNbrs [Two Way State Nbrs] (alaOspfTotal2wayNbrs)	long	Number of 2-way state neighbors on this router

Table 814 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualNeighborGeneralStats MIB entry name: ospfVirtNbrEntry Entry description: Virtual neighbor information. Table description (for ospfVirtNbrTable): A table of virtual neighbor information. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
events [Events] (ospfVirtNbrEvents)	long	The number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (ospfVirtNbrLsRetransQLen)	long	The current length of the retransmission queue.
<p>VirtualNeighborLinkStateStats MIB entry name: alaOspfVirtNbrAugEntry Entry description: Information regarding a single virtual neighbor. Table description (for alaOspfVirtNbrAugTable): Extensions to ospfVirtNbrTable Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
outstandingLSAcks [Outstanding LSAcks] (alaOspfVirtNbrPendingLSack)	long	Number of outstanding link state acknowledgements to be sent to this neighbor
outstandingLSRequests [Outstanding LSRequests] (alaOspfVirtNbrPendingLSreq)	long	Number of outstanding link state requests to be sent to this neighbor

Table 814 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outstandingLSRetramit [Outstanding LSRetramit] (alaOspfVirtNbrPendingLSupd)	long	Number of outstanding link state update packets to be sent to this neighbor

Table 815 rip statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AOSInterfaceStats MIB entry name: rip2IfStatEntry Entry description: A Single Routing Domain in a single Subnet. Table description (for rip2IfStatTable): A list of subnets which require separate status monitoring in RIP. Supports realtime plotting Supports scheduled collection Monitored class: rip.Interface</p>		
badPackets [Bad Packets] (rip2IfStatRcvBadPackets)	long	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason (e.g. a version 0 packet, or an unknown command type).
badRoutes [Bad Routes] (rip2IfStatRcvBadRoutes)	long	The number of routes, in valid RIP packets, which were ignored for any reason (e.g. unknown address family, or invalid metric).
totalUpdates [Total Updates] (rip2IfStatSentUpdates)	long	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information.

Table 816 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 816 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 816 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 817 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPPortStats</p> <p>MIB entry name: iphelperDhcpSnoopingPortEntry</p> <p>Entry description: A DHCP Snooping Port entry.</p> <p>Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.DHCPSnoopingPort</p>		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 817 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 817 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

48 OS 9800 performance statistics counters

48.1 Performance statistics counters

48.1.1 Counters

Table 818 aosqos statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QoSIngressPolicyStats MIB entry name: alaQoSAppliedRuleEntry Entry description: Definition of QoS AppliedRule Table description (for alaQoSAppliedRuleTable): Table of QoS AppliedRule definitions Supports realtime plotting Supports scheduled collection Monitored class: aosqos.Policy</p>		
greenPackets [Green Packets] (alaQoSAppliedRuleGreenCount)	java. math. BigInteger	Counter for the number of packets being green compliant.
nonGreenPackets [Non Green Packets] (alaQoSAppliedRuleNonGreenCount)	java. math. BigInteger	Counter for the number of packets being non-green compliant.
nonRedPackets [Non Red Packets] (alaQoSAppliedRuleNonRedCount)	java. math. BigInteger	Counter for the number of packets being non-red compliant.
redPackets [Red Packets] (alaQoSAppliedRuleRedCount)	java. math. BigInteger	Counter for the number of packets being red compliant.
yellowPackets [Yellow Packets] (alaQoSAppliedRuleYellowCount)	java. math. BigInteger	Counter for the number of packets being yellow compliant.

Table 819 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
CardHealthStats MIB entry name: healthModuleEntry Entry description: A module entry containing objects for a module in a specific 'slot'. Table description (for healthModuleTable): A list of installed modules in this chassis. Supports realtime plotting Supports scheduled collection Monitored class: equipment.CardSlot		
cpu1HrAvg [Cpu 1 Hr Avg] (healthModuleCpu1HrAvg)	long	Average module-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthModuleCpu1HrMax)	long	Maximum one-minute module-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthModuleCpu1MinAvg)	long	Average module-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthModuleCpuLatest)	long	Average module-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthModuleMemory1HrAvg)	long	Average module-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthModuleMemory1HrMax)	long	Maximum one-minute module-level memory utilization over the last hour (percent).

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthModuleMemory1MinAvg)	long	Average module-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthModuleMemoryLatest)	long	Average module-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthModuleRx1HrAvg)	long	Average module-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthModuleRx1HrMax)	long	Maximum one-minute module-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthModuleRx1MinAvg)	long	Average module-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthModuleRxLatest)	long	Average module-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthModuleRxTx1HrAvg)	long	Average module-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthModuleRxTx1HrMax)	long	Maximum one-minute module-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthModuleRxTx1MinAvg)	long	Average module-level i/o utilization over the last minute (percent).

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthModuleRxTxLatest)	long	Average module-level i/o utilization over the latest sample period (percent).
DeviceHealthStats MIB entry name: healthDeviceInfo Table description (for alcatelIND1HealthMonitorMIBObjects): Branch For Health Montor Subsystem Managed Objects. Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
cpu1HrAvg [Cpu 1 Hr Avg] (healthDeviceCpu1HrAvg)	long	Average device-level CPU utilization over the last hour (percent).
cpu1HrMax [Cpu 1 Hr Max] (healthDeviceCpu1HrMax)	long	Maximum one-minute device-level CPU utilization over the last hour (percent).
cpu1MinAvg [Cpu 1 Min Avg] (healthDeviceCpu1MinAvg)	long	Average device-level CPU utilization over the last minute (percent).
cpuLatest [Cpu Latest] (healthDeviceCpuLatest)	long	Average device-level CPU utilization over the latest sample period (percent).
memory1HrAvg [Memory 1 Hr Avg] (healthDeviceMemory1HrAvg)	long	Average device-level memory utilization over the last hour (percent).
memory1HrMax [Memory 1 Hr Max] (healthDeviceMemory1HrMax)	long	Maximum one-minute device-level memory utilization over the last hour (percent).

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
memory1MinAvg [Memory 1 Min Avg] (healthDeviceMemory1MinAvg)	long	Average device-level memory utilization over the last minute (percent).
memoryLatest [Memory Latest] (healthDeviceMemoryLatest)	long	Average device-level memory utilization over the latest sample period (percent).
rx1HrAvg [Rx 1 Hr Avg] (healthDeviceRx1HrAvg)	long	Average device-level input utilization over the last hour (percent).
rx1HrMax [Rx 1 Hr Max] (healthDeviceRx1HrMax)	long	Maximum one-minute device-level input utilization over the last hour (percent).
rx1MinAvg [Rx 1 Min Avg] (healthDeviceRx1MinAvg)	long	Average device-level input utilization over the last minute (percent).
rxLatest [Rx Latest] (healthDeviceRxLatest)	long	Average device-level input utilization over the latest sample period (percent).
rxTx1HrAvg [Rx Tx 1 Hr Avg] (healthDeviceRxTx1HrAvg)	long	Average device-level i/o utilization over the last hour (percent).
rxTx1HrMax [Rx Tx 1 Hr Max] (healthDeviceRxTx1HrMax)	long	Maximum one-minute device-level i/o utilization over the last hour (percent).
rxTx1MinAvg [Rx Tx 1 Min Avg] (healthDeviceRxTx1MinAvg)	long	Average device-level i/o utilization over the last minute (percent).

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxTxLatest [Rx Tx Latest] (healthDeviceRxTxLatest)	long	Average device-level i/o utilization over the latest sample period (percent).
temperature1HrAvg [Temperature 1 Hr Avg] (healthDeviceTemperatureChas1HrAvg)	long	Average chassis temperature over the last hour (percent).
temperature1HrMax [Temperature 1 Hr Max] (healthDeviceTemperatureChas1HrMax)	long	Maximum one-minute chassis temperature over the last hour (percent).
temperature1MinAvg [Temperature 1 Min Avg] (healthDeviceTemperatureChas1MinAvg)	long	Average chassis temperature over the last minute (percent).
temperatureLatest [Temperature Latest] (healthDeviceTemperatureChasLatest)	long	Average chassis temperature over the latest sample period (percent).

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HardwareTemperature</p> <p>MIB entry name: chasChassisEntry</p> <p>Entry description: Information about a particular control module this table is an extension of the entity physical table but this class is instanciated only for a particular type of physical entity: the control module that has a particular Index.</p> <p>Table description (for chasChassisTable): This table contains one row per chassis. There is always at least one chassis or many like for stackable product.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.BaseCard • equipment.CCM • equipment.CardSlot • equipment.ControlProcessor • equipment.DaughterCard • equipment.FanTray • equipment.MCMCard • equipment.PowerSupplyTray • equipment.SwitchFabricProcessor 		
temperature [Temperature] (chasHardwareBoardTemp)	int	This object indicates the current output of the Board Temperature Sensor provided by the LM75 part (degrees Centigrade) for this chassis. This temperature is what is used for comparing to the threshold and determining whether the value is in range.

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 819 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 820 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)	long	A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for 8-bit wide group encoding schemes. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions obtain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by more than one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of successfully transmitted frames on a particular interface for which transmission is inhibited by exactly one collision. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: alcetherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named alcetherStatsPkts.1</p> <p>Table description (for alcetherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
crcAlignErrors [Crc Align Errors] (alcetherStatsCRCAAlignErrors)	java. math. BigInteger	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
jabbers [Jabbers] (alcetherStatsRxJabbers)	java. math. BigInteger	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
oversizePackets [Oversize Packets] (alcetherStatsTxOversizePkts)	java. math. BigInteger	The total number of packets transmitted that were longer than 1518 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets1024to1518Octets [Packets 1024 to 1518 Octets] (alcetherStatsPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets). For both Ethernet and GigaEthernet.
packets128to255Octets [Packets 128 to 255 Octets] (alcetherStatsPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets1519to4095Octets [Packets 1519 to 4095 Octets] (gigaEtherStatsPkts1519to4095Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 and 4095 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets256to511Octets [Packets 256 to 511 Octets] (alcetherStatsPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets4095to9215Octets [Packets 4095 to 9215 Octets] (gigaEtherStatsPkts4096to9215Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 4096 and 9215 octets in length inclusive (excluding framing bits but including FCS octets). Only for GigaEthernet interfaces
packets512to1023Octets [Packets 512 to 1023 Octets] (alcetherStatsPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (alcetherStatsPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (alcetherStatsPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxCollisions [Rx Collisions] (alcetherStatsRxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in reception). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
rxUndersizePackets [Rx Undersize Packets] (alcetherStatsRxUndersizePkts)	java. math. BigInteger	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 820 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txCollisions [Tx Collisions] (alcetherStatsTxCollisions)	java. math. BigInteger	The best estimate of the total number of collisions on this Ethernet segment (in transmission). Only for Ethernet Interfaces. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
txUndersizePackets [Tx Undersize Packets] (alcetherStatsTxUndersizePkts)	java. math. BigInteger	The total number of packets transmitted that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 821 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagPortStats</p> <p>MIB entry name: alclnkaggAggPortStatsEntry</p> <p>Entry description: A list of Link Aggregation Control Protocol statistics for each port on this device.</p> <p>Table description (for alclnkaggAggPortStatsTable): A table that contains Link Aggregation information about every port that is associated with this device. A row appears in this table for each physical port.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.PortTermination</p>		
illegalPdusReceived [Illegal Pdus Received] (alclnkaggAggPortStatsIllegalRx)	long	The number of frames received that carry the Slow Protocols Ethernet Type value (), but contain a badly formed PDU or an illegal value of Protocol Subtype (). This value is read-only.
lacPDUsReceived [Lac PDUs Received] (alclnkaggAggPortStatsLACPDUsRx)	long	The number of valid LACPDUs received on this Aggregation Port. This value is read-only.
lacPdusTransmitted [Lac Pdus Transmitted] (alclnkaggAggPortStatsLACPDUsTx)	long	The number of LACPDUs transmitted on this Aggregation Port. This value is read-only.
markerPDUsReceived [Marker PDUs Received] (alclnkaggAggPortStatsMarkerPDUsRx)	long	The number of valid Marker PDUs received on this Aggregation Port. This value is read-only.
markerPdusTransmitted [Marker Pdus Transmitted] (alclnkaggAggPortStatsMarkerPDUsTx)	long	The number of Marker PDUs transmitted on this Aggregation Port. This value is read-only.
markerRspPDUsReceived [Marker Rsp PDUs Received] (alclnkaggAggPortStatsMarker-ResponsePDUsRx)	long	The number of valid Marker Response PDUs received on this Aggregation Port. This value is read-only.

Table 821 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
markerRspPduTransmitted [Marker Rsp Pdu Transmitted] (alclnkaggAggPortStatsMarker- ResponsePDUsTx)	long	The number of Marker Response PDUs transmitted on this Aggregation Port. This value is read-only.
unknownPduReceived [Unknown Pdu Received] (alclnkaggAggPortStatsUnknownRx)	long	The number of frames received that either: - carry the Slow Protocols Ethernet Type value (), but contain an unknown PDU, or: - are addressed to the Slow Protocols group MAC Address (), but do not carry the Slow Protocols Ethernet Type. This value is read-only.

Table 822 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 822 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: IldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPPortConfiguration</p>		

Table 822 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (IldpStatsRxPortAgeoutsTotal)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (IldpStatsRxPortFramesDiscardedTotal)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (IldpStatsRxPortFramesErrors)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (IldpStatsRxPortFramesTotal)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 822 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (IldpStatsRxPortTLVsDiscardedTotal)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (IldpStatsRxPortTLVsUnrecognizedTotal)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats</p> <p>MIB entry name: IldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rxInfoTTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the adminStatus is disabled for the same port.</p> <p>Table description (for IldpStatsTxPortTable): A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ildp.LLDPConfiguration</p>		
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (IldpStatsTxPortFramesTotal)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 823 mvrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortStatsRecieve MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored class: mvrp.Interface</p>		
emptyReceived [Empty Received] (alaMvrpPortStatsEmptyReceived)	long	The number of Empty messages received.
inReceived [In Received] (alaMvrpPortStatsInReceived)	long	The number of In messages received.
invalidMsgsReceived [Invalid Msgs Received] (alaMvrpPortStatsInvalidMsgsReceived)	long	The number of Invalid messages received.
joinEmptyReceived [Join Empty Received] (alaMvrpPortStatsJoinEmptyReceived)	long	The number of Join Empty messages received.
joinInReceived [Join In Received] (alaMvrpPortStatsJoinInReceived)	long	The number of Join In messages received.
leaveAllReceived [Leave All Received] (alaMvrpPortStatsLeaveAllReceived)	long	The number of Leave all messages received.

Table 823 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
leaveReceived [Leave Received] (alaMvrpPortStatsLeaveReceived)	long	The number of Leave messages received.
newReceived [New Received] (alaMvrpPortStatsNewReceived)	long	The number of New messages received.
totalMsgsReceived [Total Msgs Received] (alaMvrpPortStatsTotalMsgsReceived)	long	The total number of MVRP messages received.
totalPDURceived [Total PDURceived] (alaMvrpPortStatsTotalPDURceived)	long	The total number of MVRP PDUs received.
PortStatsTransmit MIB entry name: alaMvrpPortStatsEntry Entry description: A MVRP port statistics entry. Table description (for alaMvrpPortStatsTable): A table containing MVRP port statistics information. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.PhysicalPort • lag.Interface 		
emptyTransmitted [Empty Transmitted] (alaMvrpPortStatsEmptyTransmitted)	long	The number of Empty messages transmitted.
failedRegistrations [Failed Registrations] (alaMvrpPortFailedRegistrations)	long	The total number of failed GVRP registrations, for any reason, on this port.

Table 823 mvrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
inTransmitted [In Transmitted] (alaMvrpPortStatsInTransmitted)	long	The number of In messages transmitted.
joinEmptyTransmitted [Join Empty Transmitted] (alaMvrpPortStatsJoinEmptyTransmitted)	long	The number of Join Empty messages transmitted.
joinInTransmitted [Join In Transmitted] (alaMvrpPortStatsJoinInTransmitted)	long	The number of Join In messages transmitted.
leaveAllTransmitted [Leave All Transmitted] (alaMvrpPortStatsLeaveAllTransmitted)	long	The number of Leave all messages transmitted.
leaveTransmitted [Leave Transmitted] (alaMvrpPortStatsLeaveTransmitted)	long	The number of Leave messages transmitted.
newTransmitted [New Transmitted] (alaMvrpPortStatsNewTransmitted)	long	The number of New messages transmitted.
totalMsgsTransmitted [Total Msgs Transmitted] (alaMvrpPortStatsTotalMsgsTransmitted)	long	The total number of MVRP messages transmitted.
totalPDUTransmitted [Total PDUTransmitted] (alaMvrpPortStatsTotalPDUTransmitted)	long	The total number of MVRP PDUs transmitted.

Table 824 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: snmp Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of SNMP messages delivered to the SNMP entity which used a SNMP community name not known to said entity.
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of SNMP messages delivered to the SNMP entity which represented an SNMP operation which was not allowed by the SNMP community named in the message.
snmpInBadValues [Snmp In Bad Values] (snmpInBadValues)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `badValue`.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInGenErrs [Snmp In Gen Errs] (snmpInGenErrs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `genErr`.
snmpInGetNexts [Snmp In Get Nexts] (snmpInGetNexts)	long	The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.

Table 824 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInGetRequests [Snmp In Get Requests] (snmpInGetRequests)	long	The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInGetResponses [Snmp In Get Responses] (snmpInGetResponses)	long	The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInNoSuchNames [Snmp In No Such Names] (snmpInNoSuchNames)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `noSuchName`.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpInReadOnlys [Snmp In Read Onlys] (snmpInReadOnlys)	long	The total number valid SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `readOnly`. It should be noted that it is a protocol error to generate an SNMP PDU which contains the value `readOnly` in the error-status field, as such this object is provided as a means of detecting incorrect implementations of the SNMP.
snmpInSetRequests [Snmp In Set Requests] (snmpInSetRequests)	long	The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInTooBigs [Snmp In Too Bigs] (snmpInTooBigs)	long	The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is `tooBig`.
snmpInTotalReqVars [Snmp In Total Req Vars] (snmpInTotalReqVars)	long	The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs.

Table 824 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInTotalSetVars [Snmp In Total Set Vars] (snmpInTotalSetVars)	long	The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs.
snmpInTraps [Snmp In Traps] (snmpInTraps)	long	The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity.
snmpOutBadValues [Snmp Out Bad Values] (snmpOutBadValues)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'badValue'.
snmpOutGenErrs [Snmp Out Gen Errs] (snmpOutGenErrs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'genErr'.
snmpOutGetNexts [Snmp Out Get Nexts] (snmpOutGetNexts)	long	The total number of SNMP Get-Next PDUs which have been generated by the SNMP protocol entity.
snmpOutGetRequests [Snmp Out Get Requests] (snmpOutGetRequests)	long	The total number of SNMP Get-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutGetResponses [Snmp Out Get Responses] (snmpOutGetResponses)	long	The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity.
snmpOutNoSuchNames [Snmp Out No Such Names] (snmpOutNoSuchNames)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is 'noSuchName'.
snmpOutPkts [Snmp Out Pkts] (snmpOutPkts)	long	The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service.

Table 824 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpOutSetRequests [Snmp Out Set Requests] (snmpOutSetRequests)	long	The total number of SNMP Set-Request PDUs which have been generated by the SNMP protocol entity.
snmpOutTooBigs [Snmp Out Too Bigs] (snmpOutTooBigs)	long	The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is 'tooBig.'
snmpOutTraps [Snmp Out Traps] (snmpOutTraps)	long	The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned.
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 825 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IpInTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
deliveredToUsers [Delivered To Users] (ipInDelivers)	long	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).
destinationIpError [Destination Ip Error] (ipInAddrErrors)	long	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g., 0.0.0.0) and addresses of unsupported Classes (e.g., Class E). For entities which are not IP routers and therefore do not forward datagrams, this counter includes datagrams discarded because the destination address was not a local address.
ipHeaderError [Ip Header Error] (ipInHdrErrors)	long	The number of input datagrams discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc.
localDiscards [Local Discards] (ipInDiscards)	long	The number of input IP datagrams for which no problems were encountered to prevent their continued processing, but which were discarded (e.g., for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.
reassembleNeeded [Reassemble Needed] (ipReasmReqds)	long	The number of IP fragments received which needed to be reassembled at this entity.

Table 825 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
reassembled [Reassembled] (ipReasmOKs)	long	The number of IP datagrams successfully re-assembled.
reassemblefailed [Reassemblefailed] (ipReasmFails)	long	The number of failures detected by the IP re-assembly algorithm (for whatever reason: timed out, errors, etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.
total [Total] (ipInReceives)	long	The total number of input datagrams received from interfaces, including those received in error.
unknownError [Unknown Error] (ipInUnknownProtos)	long	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.
IpOutTrafficStats MIB entry name: ip Supports realtime plotting Supports scheduled collection Monitored class: rtr.VirtualRouter		
forwarded [Forwarded] (ipForwDatagrams)	long	The number of input datagrams for which this entity was not their final IP destination, as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP routers, this counter will include only those packets which were Source-Routed via this entity, and the Source-Route option processing was successful.

Table 825 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragmentFailed [Fragment Failed] (ipFragFails)	long	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be, e.g., because their Don't Fragment flag was set.
fragmentGenerated [Fragment Generated] (ipFragCreates)	long	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.
fragmented [Fragmented] (ipFragOKs)	long	The number of IP datagrams that have been successfully fragmented at this entity.
generated [Generated] (ipOutRequests)	long	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.
localDiscards [Local Discards] (ipOutDiscards)	long	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination, but which were discarded (e.g., for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.
noRouteDiscards [No Route Discards] (ipOutNoRoutes)	long	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this 'no-route' criterion. Note that this includes any datagrams which a host cannot route because all of its default routers are down.

Table 826 udprelay statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>UDPPortStats</p> <p>MIB entry name: iphelperDhcpSnoopingPortEntry</p> <p>Entry description: A DHCP Snooping Port entry.</p> <p>Table description (for iphelperDhcpSnoopingPortTable): A list of ports that have DHCP Snooping trust status.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: udprelay.DHCPSnoopingPort</p>		
dhcpSnoopingPortBindingViolation [Dhcp Snooping Port Binding Violation] (iphelperDhcpSnoopingPortBindingViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP Release or DHCP Decline message that contains a MAC address in the DHCP snooping binding table, but the interface information in the binding table does not match the interface on which the message was received.
dhcpSnoopingPortDhcpServerViolation [Dhcp Snooping Port Dhcp Server Violation] (iphelperDhcpSnoopingPortDhcpServerViolation)	long	This keeps track of the number of packets dropped due to receiving an DHCP server packet on a DHCP Snooping enabled port.
dhcpSnoopingPortMacAddrViolation [Dhcp Snooping Port Mac Addr Violation] (iphelperDhcpSnoopingPortMacAddrViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with the source MAC Address not equal the client DHCP Hardware address in the DHCP packet.
dhcpSnoopingPortOption82Violation [Dhcp Snooping Port Option 82 Violation] (iphelperDhcpSnoopingPortOption82Violation)	long	This keeps track of the number of packets dropped due to a relay agent forwards a packet that includes option 82 info to an untrusted port.
dhcpSnoopingPortRelayAgentViolation [Dhcp Snooping Port Relay Agent Violation] (iphelperDhcpSnoopingPortRelayAgentViolation)	long	This keeps track of the number of packets dropped due to an DHCP relay agent forwards a DHCP packate includes an relay agent ip address that is not 0.0.0.0.

Table 826 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
UDPServerStats MIB entry name: iphelperStatEntry Entry description: An entry in the stat table. Table description (for iphelperStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
iphelperAgentInfoViolation [iphelper Agent Info Violation] (iphelperAgentInfoViolation)	long	This keeps track of the number of packets dropped due to DHCP packet with giaddr field not equal to zero and Relay Agent Information option is present and also the Relay Agent Information Policy is set to DROP.
iphelperForwDelayViolation [iphelper Forw Delay Violation] (iphelperForwDelayViolation)	long	This keeps track of the number of packets dropped due to forward delay violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperInvalidAgentInfoOptFrmSrver [iphelper Invalid Agent Info Opt Frm Srver] (iphelperInvalidAgentInfoOptFrmSrver)	long	This keeps track of the number of packets dropped due to invalid from DHCP server with Relay Agent Information option in the DHCP packet.
iphelperInvalidGatewayIP [iphelper Invalid Gateway IP] (iphelperInvalidGatewayIP)	long	This keeps track of the number of packets dropped due to giaddr matching a local subnet and Relay Agent Information option is present in the DHCP packet.
iphelperMaxHopsViolation [iphelper Max Hops Violation] (iphelperMaxHopsViolation)	long	This keeps track of the number of packets dropped due to max hops violation. Only meaningful for entries with ipHelperService equal to iphelperBootp(1).
iphelperRxFromClient [iphelper Rx From Client] (iphelperRxFromClient)	long	This keeps track of the number of packets recieved from the client.

Table 826 udprelay statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
iphelperTxToServer [Iphelper Tx To Server] (iphelperTxToServer)	long	This keeps track of the number of packets transmitted to the server.
UDPServiceStats MIB entry name: iphelperxStatEntry Entry description: An entry in the stat table. Table description (for iphelperxStatTable): This keeps statistics for each service by server address. Supports realtime plotting Supports scheduled collection Monitored class: udprelay.UDPServiceDestination		
udpRxFromClient [Udp Rx From Client] (iphelperxStatRxFromClient)	long	This keeps track of the number of packets recieved from the client.
udpTxToServer [Udp Tx To Server] (iphelperxStatTxToServer)	long	This keeps track of the number of packets transmitted to the server.
udpvlan [Udpvlan] (iphelperxStatVlan)	long	This specifies the unique Vlan of the server.

49 VSC performance statistics counters

49.1 Performance statistics counters

49.1.1 Counters

Table 827 acfilter statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>HitCountStats</p> <p>MIB entry name: tIPFilterParamsEntry</p> <p>Entry description: Information about a particular IP Filter entry. Every IP Filter can have zero or more IP Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPFilterParamsTable): A table of all IP filter match entries for all IP filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.IpFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 827 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Ipv6HitCountStats</p> <p>MIB entry name: tIPv6FilterParamsEntry</p> <p>Entry description: Information about a particular IPv6 Filter entry. Every IPv6 Filter can have zero or more IPv6 Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tIPv6FilterParamsTable): A table of all IPv6 filter match entries for all IPv6 filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.Ipv6FilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tIPv6FilterParamsEgrHitByteCount)	java. math. BigInteger	This tIPv6FilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tIPv6FilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tIPv6FilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tIPv6FilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tIPv6FilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 827 acfilter statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MacHitCountStats</p> <p>MIB entry name: tMacFilterParamsEntry</p> <p>Entry description: Information about a particular MAC Filter entry. Every MAC Filter can have zero or more MAC Filter match entries. a filter entry with no match criteria set will match every packet, and the entry action will be taken. Entries are created/deleted by user. There is no StorageType object, entries have a presumed StorageType of nonVolatile.</p> <p>Table description (for tMacFilterParamsTable): A table of all MAC filter match entries for all MAC filters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: acfilter.MacFilterEntry</p>		
egressHitByteCount [Egress Hit Byte Count] (tMacFilterParamsEgrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsEgrHitByteCount indicates the number of bytes of all egress packets that matched this entry.
egressHitCount [Egress Hit Count] (tMacFilterParamsEgressHitCount)	java. math. BigInteger	This object indicates the number of times an egress packet matched this entry.
ingressHitByteCount [Ingress Hit Byte Count] (tMacFilterParamsIngrHitByteCount)	java. math. BigInteger	The value of tMacFilterParamsIngrHitByteCount indicates the number of bytes of all ingress packets that matched this entry.
ingressHitCount [Ingress Hit Count] (tMacFilterParamsIngressHitCount)	java. math. BigInteger	This object indicates the number of times an ingress packet matched this entry.

Table 828 bgp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PeerAdditionalStats</p> <p>MIB entry name: bgpPeerEntry</p> <p>Entry description: Entry containing information about the connection with a BGP peer.</p> <p>Table description (for bgpPeerTable): BGP peer table. This table contains, one entry per BGP peer, information about the connections with BGP peers.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
fsmEstablishedTime [Fsm Established Time] (bgpPeerFsmEstablishedTime)	long	This timer indicates how long (in seconds) this peer has been in the Established state or how long since this peer was last in the Established state. It is set to zero when a new peer is configured or the router is booted.
<p>PeerRouteTargetStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
rtActivePfxs [Rt Active Pfxs] (tBgpPeerNgOperRtTgtActivePfxs)	long	The value of tBgpPeerNgOperRtTgtActivePfxs indicates the number of active route target prefixes from this peer.
rtRecvPfxs [Rt Recv Pfxs] (tBgpPeerNgOperRtTgtRecvPfxs)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes received from this peer.

Table 828 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rtSentPfxs [Rt Sent Pfxs] (tBgpPeerNgOperRtTgtSentPfxs)	long	The value of tBgpPeerNgOperRtTgtSentPfxs indicates the number of route target prefixes transmitted to this peer.
rtSuppPfxDamp [Rt Supp Pfx Damp] (tBgpPeerNgOperRtTgtSuppPfxDamp)	long	The value of tBgpPeerNgOperRtTgtRecvPfxs indicates the number of route target prefixes from this peer, which have been suppressed by damping.
<p>PeerStats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
flaps [Flaps] (tBgpPeerNgOperFlaps)	long	The value of tBgpPeerNgOperFlaps indicates the number of flaps of updates from this peer.
inputQueueMessages [Input Queue Messages] (tBgpPeerNgOperInputQueueMsgs)	long	The value of tBgpPeerNgOperInputQueueMsgs indicates the number of unprocessed messages in the queue, from this peer.
l2VpnActivePfxs [L2 Vpn Active Pfxs] (tBgpPeerNgOperl2VpnActivePfxs)	long	The value of tBgpPeerNgOperl2VpnActivePfxs indicates the number of active L2VPN prefixes from this peer.
l2VpnRecvPfxs [L2 Vpn Recv Pfxs] (tBgpPeerNgOperl2VpnRecvPfxs)	long	The value of tBgpPeerNgOperl2VpnRecvPfxs indicates the number L2VPN prefixes received from this peer.

Table 828 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
I2VpnSentPfxs [L2 Vpn Sent Pfxs] (tBgpPeerNgOperI2VpnSentPfxs)	long	The value of tBgpPeerNgOperI2VpnSentPfxs indicates the number of L2VPN prefixes transmitted to this peer.
I2VpnSuppPfxDamp [L2 Vpn Supp Pfx Damp] (tBgpPeerNgOperI2VpnSuppPfxDamp)	long	The value of tBgpPeerNgOperI2VpnSuppPfxDamp indicates the number of L2VPN prefixes from this peer, which have been suppressed by damping.
lastEvent [Last Event] (tBgpPeerNgOperLastEvent)	long	The value of tBgpPeerNgOperLastEvent indicates the last BGP event of this peer.
lastRestartTime [Last Restart Time] (tBgpPeerNgOperLastRestartTime)	long	The value of tBgpPeerNgOperLastRestartTime indicates the last time the peer attempted restart.
lastState [Last State] (tBgpPeerNgOperLastState)	long	The value of tBgpPeerNgOperLastState indicates the last BGP state of this peer.
mcastActivePrefixes [Mcast Active Prefixes] (tBgpPeerNgOperMCastV4ActivePfxs)	long	The value of tBgpPeerNgOperMCastV4ActivePfxs indicates the number of active IPv4 multicast prefixes from this peer.
mcastPrefixesSuppressedByDamping [Mcast Prefixes Suppressed By Damping] (tBgpPeerNgOperMCastV4SuppPfxDamp)	long	The value of tBgpPeerNgOperMCastV4SuppPfxDamp indicates the number of IPv4 multicast prefixes from this peer, which have been suppressed by damping.
mcastReceivedPrefixes [Mcast Received Prefixes] (tBgpPeerNgOperMCastV4RecvPfxs)	long	The value of tBgpPeerNgOperMCastV4RecvPfxs indicates the number of IPv4 multicast prefixes received from this peer.
mcastSentPrefixes [Mcast Sent Prefixes] (tBgpPeerNgOperMCastV4SentPfxs)	long	The value of tBgpPeerNgOperMCastV4SentPfxs indicates the number of IPv4 multicast prefixes transmitted to this peer.

Table 828 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mdtSafiActivePrefixes [Mdt Safi Active Prefixes] (tBgpPeerNgOperMdtSafiActivePfxs)	long	The value of tBgpPeerNgOperMdtSafiActivePfxs indicates the number of active MDT-SAFI prefixes from this peer.
mdtSafiPrefixesSuppressedByDamping [Mdt Safi Prefixes Suppressed By Damping] (tBgpPeerNgOperMdtSafiSuppPfxDamp)	long	The value of tBgpPeerNgOperMdtSafiSuppPfxDamp indicates the number of MDT-SAFI prefixes from this peer, which have been suppressed by damping.
mdtSafiReceivedPrefixes [Mdt Safi Received Prefixes] (tBgpPeerNgOperMdtSafiRecvPfxs)	long	The value of tBgpPeerNgOperMdtSafiRecvPfxs indicates the number of MDT-SAFI prefixes received from this peer.
mdtSafiSentPrefixes [Mdt Safi Sent Prefixes] (tBgpPeerNgOperMdtSafiSentPfxs)	long	The value of tBgpPeerNgOperMdtSafiSentPfxs indicates the number of MDT-SAFI prefixes transmitted to this peer.
messageOctetsReceived [Message Octets Received] (tBgpPeerNgOperMsgOctetsRcvd)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsRcvd indicates the number of octets received from this peer.
messageOctetsSent [Message Octets Sent] (tBgpPeerNgOperMsgOctetsSent)	java. math. BigInteger	The value of tBgpPeerNgOperMsgOctetsSent indicates the number of octets transmitted to this peer.
numberOfRestarts [Number Of Restarts] (tBgpPeerNgOperNumRestarts)	long	The value of tBgpPeerNgOperNumRestarts indicates the number of times the peer has attempted restart.
outputQueueMessages [Output Queue Messages] (tBgpPeerNgOperOutputQueueMsgs)	long	The value of tBgpPeerNgOperOutputQueueMsgs indicates the number of untransmitted messages in the queue, to this peer.

Table 828 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pathsReceived [Paths Received] (tBgpPeerNgOperReceivedPaths)	long	The value of tBgpPeerNgOperReceivedPaths indicates the number of paths received from this peer.
prefixesActive [Prefixes Active] (tBgpPeerNgOperActivePrefixes)	long	The value of tBgpPeerNgOperActivePrefixes indicates the number of active prefixes from this peer.
prefixesReceived [Prefixes Received] (tBgpPeerNgOperReceivedPrefixes)	long	The value of tBgpPeerNgOperReceivedPrefixes indicates the number of prefixes received from this peer.
prefixesSent [Prefixes Sent] (tBgpPeerNgOperSentPrefixes)	long	The value of tBgpPeerNgOperSentPrefixes indicates the number of prefixes transmitted to this peer.
prefixesSuppressedByDamping [Prefixes Suppressed By Damping] (tBgpPeerNgOperV4SuppPfxDamp)	long	The value of tBgpPeerNgOperV4SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ActivePrefixes [V6 Active Prefixes] (tBgpPeerNgOperV6ActivePrefixes)	long	The value of tBgpPeerNgOperV6ActivePrefixes indicates the number of active IPv6 prefixes from this peer.
v6PrefixesSuppressedByDamping [V6 Prefixes Suppressed By Damping] (tBgpPeerNgOperV6SuppPfxDamp)	long	The value of tBgpPeerNgOperV6SuppPfxDamp indicates the number of IPv6 prefixes from this peer, which have been suppressed by damping.
v6ReceivedPrefixes [V6 Received Prefixes] (tBgpPeerNgOperV6ReceivedPrefixes)	long	The value of tBgpPeerNgOperV6ReceivedPrefixes indicates the number of IPv6 prefixes received from this peer.
v6SentPrefixes [V6 Sent Prefixes] (tBgpPeerNgOperV6SentPrefixes)	long	The value of tBgpPeerNgOperV6SentPrefixes indicates the number of IPv6 prefixes transmitted to this peer.

Table 828 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnActivePrefixes [Vpn Active Prefixes] (tBgpPeerNgOperVpnActivePrefixes)	long	The value of tBgpPeerNgOperVpnActivePrefixes indicates the number of active VPN prefixes from this BGP peer.
vpnPrefixesSuppressedByDamping [Vpn Prefixes Suppressed By Damping] (tBgpPeerNgOperVpnSuppPfxDamp)	long	The value of tBgpPeerNgOperVpnSuppPfxDamp indicates the number of VPN IPv4 prefixes from this peer, which have been suppressed by damping.
vpnReceivedPrefixes [Vpn Received Prefixes] (tBgpPeerNgOperVpnRecvPrefixes)	long	The value of tBgpPeerNgOperVpnRecvPrefixes indicates the number of received VPN prefixes.
vpnSentPrefixes [Vpn Sent Prefixes] (tBgpPeerNgOperVpnSentPrefixes)	long	The value of tBgpPeerNgOperVpnSentPrefixes indicates the number of transmitted VPN prefixes.
<p>PeerVprnlpv6Stats</p> <p>MIB entry name: tBgpPeerNgOperEntry</p> <p>Entry description: Defines an entry (conceptual row) in the tBgpPeerNgOperTable. Entries in tBgpPeerNgOperTable are created when entries are created in tBgpPeerNgTable.</p> <p>Table description (for tBgpPeerNgOperTable): The tBgpPeerNgOperTable is the list of configured BGP Peers and their operational status information.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bgp.Peer</p>		
vpnIpv6ActivePfxs [Vpn Ipv 6 Active Pfxs] (tBgpPeerNgOperVpnIpv6ActivePfxs)	long	The value of tBgpPeerNgOperVpnIpv6ActivePfxs indicates the number of active VPN IPv6 prefixes from this peer.
vpnIpv6RecvPfxs [Vpn Ipv 6 Recv Pfxs] (tBgpPeerNgOperVpnIpv6RecvPfxs)	long	The value of tBgpPeerNgOperVpnIpv6RecvPfxs indicates the number of VPN IPv6 prefixes received from this peer.

Table 828 bgp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
vpnIpv6SentPfxs [Vpn Ipv 6 Sent Pfxs] (tBgpPeerNgOperVpnIpv6SentPfxs)	long	The value of tBgpPeerNgOperVpnIpv6SentPfxs indicates the number of VPN IPv6 prefixes transmitted to this peer.
vpnIpv6SuppPfxDamp [Vpn Ipv 6 Supp Pfx Damp] (tBgpPeerNgOperVpnIpv6SuppPfxDamp)	long	The value of tBgpPeerNgOperVpnIpv6SuppPfxDamp indicates the number of VPN IPv6 prefixes from this peer, which have been suppressed by damping.

Table 829 cflowd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCflowdStats</p> <p>MIB entry name: tmnxCflowdVersionStatsEntry</p> <p>Entry description: The tmnxCflowdVersionStatsEntry contains the information pertaining to the system wide statistics for the specified version index.</p> <p>Table description (for tmnxCflowdVersionStatsTable): The tmnxCflowdVersionStatsTable consists of the overall statistics based on collector version.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
packetErrors [Packet Errors] (tmnxCflowdVersionErrors)	long	The value of tmnxCflowdVersionErrors indicates the number of errored packets for the specified version.
packetsOpen [Packets Open] (tmnxCflowdVersionOpen)	long	The value of tmnxCflowdVersionOpen indicates the number of open packets pending for the specified version.
packetsSent [Packets Sent] (tmnxCflowdVersionSent)	long	The value of tmnxCflowdVersionSent indicates the number of packets transmitted for the specified version.
version [Version] (tmnxCflowdVersionIndex)	long	The value of tmnxCflowdVersionIndex specifies the row in the tmnxCflowdVersionStatsTable that pertains to the cflowd collector version.
versionStatus [Version Status] (tmnxCflowdVersionStatus)	int	The value of tmnxCflowdVersionStatus indicates whether or not the version is in use in the system.

Table 829 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV10Stats</p> <p>MIB entry name: tmnxCflowdTemplateStatsEntry</p> <p>Entry description: The tmnxCflowdTemplateStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCflowdTemplateStatsTable): The tmnxCflowdTemplateStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. The use of this table should be restricted in favor of tmnxCFHostCollTemplStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCflowdTemplateErrors)	long	The value of tmnxCflowdTemplateErrors indicates the number of errored packets for the specified Template type.
templateFlowIndex [Template Flow Index] (tmnxCflowdTemplateFlowIndex)	int	The value of tmnxCflowdTemplateFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCflowdTemplateOpen)	long	The value of tmnxCflowdTemplateOpen indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCflowdTemplateSent)	long	The value of tmnxCflowdTemplateSent indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCflowdTemplateLastTxTime)	long	The value of tmnxCflowdTemplateLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 829 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeCollectorV5Stats</p> <p>MIB entry name: tmnCflowdV5StatsEntry</p> <p>Entry description: The tmnCflowdV5StatsEntry contains the statistics information pertaining to the specified remote collector host.</p> <p>Table description (for tmnCflowdV5StatsTable): The tmnCflowdV5StatsTable consists of the version 5 statistics for a particular remote collector host. The use of this table should be restricted in favor of tmnCFlowdCollV5StatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
v5PacketErrors [V5 Packet Errors] (tmnCflowdV5Errors)	long	The value of tmnCflowdV5Errors indicates the number of errored packets for the specified remote collector host.
v5PacketOpen [V5 Packet Open] (tmnCflowdV5Open)	long	The value of tmnCflowdV5Open indicates the number of open packets pending for the specified remote collector host.
v5PacketSent [V5 Packet Sent] (tmnCflowdV5Sent)	long	The value of tmnCflowdV5Sent indicates the number of packets transmitted for the specified remote collector host.
<p>NeCollectorV8Stats</p> <p>MIB entry name: tmnCflowdAggregationStatsEntry</p> <p>Entry description: The tmnCflowdAggregationStatsEntry contains the information pertaining to the remote collector host statistics for the specified aggregation index.</p> <p>Table description (for tmnCflowdAggregationStatsTable): The tmnCflowdAggregationStatsTable consists of the overall statistics based on aggregation type. The use of this table should be restricted in favor of tmnCFlowdCollAggrStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		

Table 829 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
aggPacketErrors [Agg Packet Errors] (tmnxCflowdAggregationErrors)	long	The value of tmnxCflowdAggregationErrors indicates the number of errored packets for the specified aggregation type.
aggPacketOpen [Agg Packet Open] (tmnxCflowdAggregationOpen)	long	The value of tmnxCflowdAggregationOpen indicates the number of open packets pending for the specified aggregation type.
aggPacketSent [Agg Packet Sent] (tmnxCflowdAggregationSent)	long	The value of tmnxCflowdAggregationSent indicates the number of packets transmitted for the specified aggregation type.
aggregationIndex [Aggregation Index] (tmnxCflowdAggregationIndex)	int	The value of tmnxCflowdAggregationIndex specifies the row in the tmnxCflowdAggregationStatsTable that pertains to the cflowd collector aggregation type.
aggregationStatus [Aggregation Status] (tmnxCflowdAggregationStatus)	int	The value of tmnxCflowdAggregationStatus indicates whether or not the aggregation is in use in the remote collector host entry.
<p>NeCollectorV9Stats</p> <p>MIB entry name: tmnxCflowdTemplateStatsEntry</p> <p>Entry description: The tmnxCflowdTemplateStatsEntry contains the information pertaining to the remote collector host statistics for the specified template index.</p> <p>Table description (for tmnxCflowdTemplateStatsTable): The tmnxCflowdTemplateStatsTable consists of the overall statistics based on template flows for a specified remote collector host entry. The use of this table should be restricted in favor of tmnxCFHostCollTemplStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: cflowd.NeCollector</p>		
templateErrors [Template Errors] (tmnxCflowdTemplateErrors)	long	The value of tmnxCflowdTemplateErrors indicates the number of errored packets for the specified Template type.

Table 829 cflowd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
templateFlowIndex [Template Flow Index] (tmnxCflowdTemplateFlowIndex)	int	The value of tmnxCflowdTemplateFlowIndex specifies the row in the tmnxCflowdTemplateStatsTable that pertains to the cflowd collector Template type.
templateOpen [Template Open] (tmnxCflowdTemplateOpen)	long	The value of tmnxCflowdTemplateOpen indicates the number of open packets pending for the specified Template type.
templateSent [Template Sent] (tmnxCflowdTemplateSent)	long	The value of tmnxCflowdTemplateSent indicates the number of packets transmitted for the specified Template type.
transmitTime [Transmit Time] (tmnxCflowdTemplateLastTxTime)	long	The value of tmnxCflowdTemplateLastTxTime indicates the time, since system startup, when the specified template was last transmitted.

Table 830 dctr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualPortStats</p> <p>MIB entry name: tmnxDCVirtualPortStatsEntry</p> <p>Entry description: Each row entry contains information about statistics of a Virtual Port (VP). Virtual Ports are dynamically created and deleted by the agent.</p> <p>Table description (for tmnxDCVirtualPortStatsTable): The tmnxDCVirtualPortStatsTable contains information pertaining to statistics for each virtual port in a Virtual Switch that this VSG is connected to.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • dctr.GatewayVirtualPort • dctr.VirtualPort 		
rxBytes [Rx Bytes] (tmnxDCvPRxBytes)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of bytes received on this virtual port.
rxErrorPackets [Rx Error Packets] (tmnxDCvPRxErrorPackets)	java. math. BigInteger	The value of tmnxDCvPRxErrorPackets indicates the total number of error packets received on this virtual port.
rxPackets [Rx Packets] (tmnxDCvPRxPackets)	java. math. BigInteger	The value of tmnxDCvPRxPackets indicates the total number of packets received on this virtual port.
rxPacketsDropped [Rx Packets Dropped] (tmnxDCvPRxPacketsDropped)	java. math. BigInteger	The value of tmnxDCvPRxPacketsDropped indicates the total number of dropped packets received on this virtual port.

Table 830 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txBytes [Tx Bytes] (tmnxDCvPTxBytes)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of bytes transmitted by this virtual port.
txErrorPackets [Tx Error Packets] (tmnxDCvPTxErrorPackets)	java. math. BigInteger	The value of tmnxDCvPTxErrorPackets indicates the total number of error packets transmitted by this virtual port.
txPackets [Tx Packets] (tmnxDCvPTxPackets)	java. math. BigInteger	The value of tmnxDCvPTxPackets indicates the total number of packets transmitted by this virtual port.
txPacketsDropped [Tx Packets Dropped] (tmnxDCvPTxPacketsDropped)	java. math. BigInteger	The value of tmnxDCvPRxPacketsDropped indicates the total number of dropped packets transmitted by this virtual port.
<p>VirtualSwitchOFStats</p> <p>MIB entry name: tmnxDCVirtualSwitchOFStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Virtual Switch (VS). Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxDCVirtualSwitchOFStatsTable): The tmnxDCVirtualSwitchOFStatsTable contains information pertaining to open flow statistics for each virtual switch that this VSG is connected to. Row entries are dynamically created and deleted by the agent.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • dctr.NsgVirtualSwitch • dctr.VirtualSwitch • dctr.VrsGVirtualSwitch 		

Table 830 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
barrierReqRx [Barrier Req Rx] (tmnxDCvSbarrierReqRx)	java. math. BigInteger	The value of tmnxDCvSbarrierReqRx indicates the total number of barrier-req packets received.
barrierReqTx [Barrier Req Tx] (tmnxDCvSbarrierReqTx)	java. math. BigInteger	The value of tmnxDCvSbarrierReqTx indicates the total number of barrier-req packets transmitted.
barrierRespRx [Barrier Resp Rx] (tmnxDCvSbarrierRespRx)	java. math. BigInteger	The value of tmnxDCvSbarrierRespRx indicates the total number of barrier-req packets received.
barrierRespTx [Barrier Resp Tx] (tmnxDCvSbarrierRespTx)	java. math. BigInteger	The value of tmnxDCvSbarrierRespTx indicates the total number of barrier-req packets transmitted.
echoRequestRx [Echo Request Rx] (tmnxDCvSechoRequestRx)	java. math. BigInteger	The value of tmnxDCvSechoRequestRx indicates the total number of echo-request packets received.
echoRequestTx [Echo Request Tx] (tmnxDCvSechoRequestTx)	java. math. BigInteger	The value of tmnxDCvSechoRequestTx indicates the total number of echo-request packets transmitted.
echoResponseRx [Echo Response Rx] (tmnxDCvSechoResponseRx)	java. math. BigInteger	The value of tmnxDCvSechoResponseRx indicates the total number of echo-response packets received.
echoResponseTx [Echo Response Tx] (tmnxDCvSechoResponseTx)	java. math. BigInteger	The value of tmnxDCvSechoResponseTx indicates the total number of echo-response packets transmitted.

Table 830 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
experimenterRx [Experimenter Rx] (tmnxDCvSexperimenterRx)	java. math. BigInteger	The value of tmnxDCvSexperimenterRx indicates the total number of experimenter packets received.
experimenterTx [Experimenter Tx] (tmnxDCvSexperimenterTx)	java. math. BigInteger	The value of tmnxDCvSechoRequestTx indicates the total number of experimenter packets transmitted.
featureRequestRx [Feature Request Rx] (tmnxDCvSfeatureRequestRx)	java. math. BigInteger	The value of tmnxDCvSfeatureRequestRx indicates the total number of feature-request packets received.
featureRequestTx [Feature Request Tx] (tmnxDCvSfeatureRequestTx)	java. math. BigInteger	The value of tmnxDCvSfeatureRequestTx indicates the total number of feature-request packets transmitted.
featureResponseRx [Feature Response Rx] (tmnxDCvSfeatureResponseRx)	java. math. BigInteger	The value of tmnxDCvSfeatureResponseRx indicates the total number of feature-response packets received.
featureResponseTx [Feature Response Tx] (tmnxDCvSfeatureResponseTx)	java. math. BigInteger	The value of tmnxDCvSfeatureResponseTx indicates the total number of feature-response packets transmitted.
flowModRx [Flow Mod Rx] (tmnxDCvflowModRx)	java. math. BigInteger	The value of tmnxDCvflowModRx indicates the total number of flow-mod packets received.
flowModTx [Flow Mod Tx] (tmnxDCvSflowModTx)	java. math. BigInteger	The value of tmnxDCvSflowModTx indicates the total number of flow-mod packets transmitted.

Table 830 dctr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloRx [Hello Rx] (tmnxDCvShelloRx)	java. math. BigInteger	The value of tmnxDCvShelloRx indicates the total number of hello packets received.
helloTx [Hello Tx] (tmnxDCvShelloTx)	java. math. BigInteger	The value of tmnxDCvShelloTx indicates the total number of hello packets transmitted.
statsReqRx [Stats Req Rx] (tmnxDCvSstatsReqRx)	java. math. BigInteger	The value of tmnxDCvSstatsReqRx indicates the total number of stats-req packets received.
statsReqTx [Stats Req Tx] (tmnxDCvSstatsReqTx)	java. math. BigInteger	The value of tmnxDCvSstatsReqTx indicates the total number of stats-req packets transmitted.
statsRespRx [Stats Resp Rx] (tmnxDCvSstatsRespRx)	java. math. BigInteger	The value of tmnxDCvSstatsRespRx indicates the total number of stats-req packets received.
statsRespTx [Stats Resp Tx] (tmnxDCvSstatsRespTx)	java. math. BigInteger	The value of tmnxDCvSstatsRespTx indicates the total number of stats-req packets transmitted.

Table 831 equipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AllocatedMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
allocatedMemory [Allocated Memory] (sgiMemoryPoolAllocated)	long	The value of sgiMemoryPoolAllocated indicates the total memory currently allocated in memory-pools on the system. This memory may or may not be currently in use, but is pre-allocated should the software need to use it. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryPoolAllocated must be used to determine the total memory allocated in memory-pools.
<p>AvailableMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder</p>		
availableMemory [Available Memory] (sgiMemoryAvailable)	long	The value of sgiMemoryAvailable indicates the amount of free memory in the overall system that is not allocated to memory pools, but is available in case a memory pool needs to grow.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FPNwIngQGrpArbiterStats</p> <p>MIB entry name: tFPNetIngQGrpArbitStatEntry</p> <p>Entry description: The value of tFPNetIngQGrpArbitStatEntry defines an entry in the tFPNetIngQGrpArbitStatTable. It represents statistics about a specific QoS ingress queue group arbiter.</p> <p>Table description (for tFPNetIngQGrpArbitStatTable): The value of tFPNetIngQGrpArbitStatTable contains forwarding-plane ingress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.FPNwIngQGrpEntry</p>		
fpNetIngQGrpArbitStatFwdOcts [Fp Net Ing QGrp Arbit Stat Fwd Octs] (tFPNetIngQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdOcts indicates the number of forwarded octets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdOctsH [Fp Net Ing QGrp Arbit Stat Fwd Octs H] (tFPNetIngQGrpArbitStatFwdOctsH)	long	The value of tFPNetIngQGrpArbitStatFwdOctsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdOctsL [Fp Net Ing QGrp Arbit Stat Fwd Octs L] (tFPNetIngQGrpArbitStatFwdOctsL)	long	The value of tFPNetIngQGrpArbitStatFwdOctsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdOcts.
fpNetIngQGrpArbitStatFwdPkts [Fp Net Ing QGrp Arbit Stat Fwd Pkts] (tFPNetIngQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tFPNetIngQGrpArbitStatFwdPkts indicates the number of forwarded packets by the ingress queue group arbiter Pchip.
fpNetIngQGrpArbitStatFwdPktsH [Fp Net Ing QGrp Arbit Stat Fwd Pkts H] (tFPNetIngQGrpArbitStatFwdPktsH)	long	The value of tFPNetIngQGrpArbitStatFwdPktsH indicates the upper 32 bits of tFPNetIngQGrpArbitStatFwdPkts.
fpNetIngQGrpArbitStatFwdPktsL [Fp Net Ing QGrp Arbit Stat Fwd Pkts L] (tFPNetIngQGrpArbitStatFwdPktsL)	long	The value of tFPNetIngQGrpArbitStatFwdPktsL indicates the lower 32 bits of tFPNetIngQGrpArbitStatFwdPkts.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fpNetIngQGrpArbitStatName [Fp Net Ing QGrp Arbit Stat Name] (tFPNetIngQGrpArbitStatName)	String	The value of tFPNetIngQGrpArbitStatName specifies the name of the ingress QoS arbiter of this forwarding-plane queue group on network.
<p>FibNextHopStats</p> <p>MIB entry name: vRtrFibStatNextHopEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatNextHopTable): The vRtrFibStatNextHopTable has an entry for each IOM in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
ipActive [Ip Active] (vRtrFibStatNextHopIPActive)	long	vRtrFibStatNextHopIPActive indicates current active IP next-hop counts for the FIB on the IOM.
ipAvailable [Ip Available] (vRtrFibStatNextHopIPAvailable)	long	vRtrFibStatNextHopIPAvailable indicates the available IP next-hop counts for the FIB on the IOM.
tunnelActive [Tunnel Active] (vRtrFibStatNextHopTunnelActive)	long	vRtrFibStatNextHopTunnelActive indicates current active Tunnel next-hop counts for the FIB on the IOM.
tunnelAvailable [Tunnel Available] (vRtrFibStatNextHopTunnelAvailable)	long	vRtrFibStatNextHopTunnelAvailable indicates the available Tunnel next-hop counts for the FIB on the IOM.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>FibStats</p> <p>MIB entry name: vRtrFibStatEntry</p> <p>Entry description: Each row entry represents a collection of summarized statistics for each virtual router on an IOM card in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrFibStatTable): The vRtrStatTable has an entry for IOM card configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.BaseCard</p>		
aggrRoutes [Aggr Routes] (vRtrFibStatAggrRoutes)	long	vRtrFibStatAggrRoutes indicates current aggregate route counts for the virtual router.
alarmCount [Alarm Count] (vRtrFibStatAlarmCount)	long	vRtrFibStatAlarmCount indicates the number of times the FIB has raised an alarm due to high FIB usage.
bgpRoutes [Bgp Routes] (vRtrFibStatBGPRoutes)	long	vRtrFibStatBGPRoutes indicates current BGP route counts for the virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrFibStatBGPVpnRoutes)	long	vRtrFibStatBGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
directRoutes [Direct Routes] (vRtrFibStatDirectRoutes)	long	vRtrFibStatDirectRoutes indicates current direct route counts for the virtual router.
highUtilization [High Utilization] (vRtrFibStatHighUtilization)	boolean	vRtrFibStatHighUtilization indicates whether or not the FIB on the IOM is experiences persistent high occupancy.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hostRoutes [Host Routes] (vRtrFibStatHostRoutes)	long	vRtrFibStatHostRoutes indicates current host route counts for the virtual router.
isisRoutes [Isis Routes] (vRtrFibStatISISRoutes)	long	vRtrFibStatISISRoutes indicates current ISIS route counts for the virtual router.
lastAlarmTime [Last Alarm Time] (vRtrFibStatLastAlarmTime)	long	vRtrFibStatLastAlarmTime indicates the last time a high FIB usage alarm was raised.
managedRoutes [Managed Routes] (vRtrFibStatManagedRoutes)	long	vRtrFibStatManagedRoutes indicates current managed route counts for the virtual router.
natRoutes [Nat Routes] (vRtrFibStatNatRoutes)	long	vRtrFibStatNatRoutes indicates current NAT route counts for the virtual router.
ospfRoutes [Ospf Routes] (vRtrFibStatOSPFRoutes)	long	vRtrFibStatOSPFRoutes indicates current OSPF route counts for the virtual router.
overflows [Overflows] (vRtrFibStatOverflows)	long	vRtrFibStatOverflows indicates the number of times the FIB has run out of space.
ripRoutes [Rip Routes] (vRtrFibStatRIPRoutes)	long	vRtrFibStatRIPRoutes indicates current RIP route counts for the virtual router.
staticRoutes [Static Routes] (vRtrFibStatStaticRoutes)	long	vRtrFibStatStaticRoutes indicates current static route counts for the virtual router.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
subMgmtRoutes [Sub Mgmt Routes] (vRtrFibStatSubMgmtRoutes)	long	vRtrFibStatSubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6AggrRoutes [V6 Aggr Routes] (vRtrFibStatV6AggrRoutes)	long	vRtrFibStatV6AggrRoutes indicates current aggregate route counts for the virtual router.
v6BGPRoutes [V6 BGP Routes] (vRtrFibStatV6BGPRoutes)	long	vRtrFibStatV6BGPRoutes indicates current BGP route counts for the virtual router.
v6BGPVpnRoutes [V6 BGPVpn Routes] (vRtrFibStatV6BGPVpnRoutes)	long	vRtrFibStatV6BGPVpnRoutes indicates current BGP VPN route counts for the virtual router.
v6DirectRoutes [V6 Direct Routes] (vRtrFibStatV6DirectRoutes)	long	vRtrFibStatV6DirectRoutes indicates current direct route counts for the virtual router.
v6HostRoutes [V6 Host Routes] (vRtrFibStatV6HostRoutes)	long	vRtrFibStatV6HostRoutes indicates current host route counts for the virtual router.
v6ISISRoutes [V6 ISIS Routes] (vRtrFibStatV6ISISRoutes)	long	vRtrFibStatV6ISISRoutes indicates current ISIS route counts for the virtual router.
v6ManagedRoutes [V6 Managed Routes] (vRtrFibStatV6ManagedRoutes)	long	vRtrFibStatV6ManagedRoutes indicates current managed route counts for the virtual router.
v6NatRoutes [V6 Nat Routes] (vRtrFibStatV6NatRoutes)	long	vRtrFibStatV6NatRoutes indicates current NAT IPv6 route counts for the virtual router.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
v6OSPFRoutes [V6 OSPFRoutes] (vRtrFibStatV6OSPFRoutes)	long	vRtrFibStatV6OSPFRoutes indicates current OSPF route counts for the virtual router.
v6RIPRoutes [V6 RIPRoutes] (vRtrFibStatV6RIPRoutes)	long	vRtrFibStatV6RIPRoutes indicates current RIP route counts for the virtual router.
v6StaticRoutes [V6 Static Routes] (vRtrFibStatV6StaticRoutes)	long	vRtrFibStatV6StaticRoutes indicates current static route counts for the virtual router.
v6SubMgmtRoutes [V6 Sub Mgmt Routes] (vRtrFibStatV6SubMgmtRoutes)	long	vRtrFibStatV6SubMgmtRoutes indicates current Sub-management route counts for the virtual router.
v6VpnLeakRoutes [V6 Vpn Leak Routes] (vRtrFibStatV6VPNLeakRoutes)	long	vRtrFibStatV6VPNLeakRoutes indicates current IPv6 VPN Leak route counts for the virtual router.
vpnLeakRoutes [Vpn Leak Routes] (vRtrFibStatVPNLeakRoutes)	long	vRtrFibStatVPNLeakRoutes indicates current VPN Leak route counts for the virtual router.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceAdditionalStats</p> <p>MIB entry name: ifXEntry</p> <p>Entry description: An entry containing additional management information applicable to a particular interface.</p> <p>Table description (for ifXTable): A list of interface entries. The number of entries is given by the value of ifNumber. This table contains additional objects for the interface table.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedBroadcastPackets [Received Broadcast Packets] (ifHCInBroadcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at this sub-layer. This object is a 64-bit version of ifInBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedMulticastPackets [Received Multicast Packets] (ifHCInMulticastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at this sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifInMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedTotalOctets [Received Total Octets] (ifHCInOctets)	java. math. BigInteger	The total number of octets received on the interface, including framing characters. This object is a 64-bit version of ifInOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifHCInUcastPkts)	java. math. BigInteger	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. This object is a 64-bit version of ifInUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedBroadcastPackets [Transmitted Broadcast Packets] (ifHCOutBroadcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutBroadcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedMulticastPackets [Transmitted Multicast Packets] (ifHCOutMulticastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses. This object is a 64-bit version of ifOutMulticastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedTotalOctets [Transmitted Total Octets] (ifHCOutOctets)	java. math. BigInteger	The total number of octets transmitted out of the interface, including framing characters. This object is a 64-bit version of ifOutOctets. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedUnicastPackets [Transmitted Unicast Packets] (ifHCOutUcastPkts)	java. math. BigInteger	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. This object is a 64-bit version of ifOutUcastPkts. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: ifEntry</p> <p>Entry description: An entry containing management information applicable to a particular interface.</p> <p>Table description (for ifTable): A list of interface entries. The number of entries is given by the value of ifNumber.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outboundBadPackets [Outbound Bad Packets] (ifOutErrors)	long	For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
outboundPacketsDiscarded [Outbound Packets Discarded] (ifOutDiscards)	long	The number of outbound packets which were chosen to be discarded even though no errors had been detected to prevent their being transmitted. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedBadPackets [Received Bad Packets] (ifInErrors)	long	For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedOctets [Received Octets] (ifInOctets)	long	The total number of octets received on the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedPacketsDiscarded [Received Packets Discarded] (ifInDiscards)	long	The number of inbound packets which were chosen to be discarded even though no errors had been detected to prevent their being deliverable to a higher-layer protocol. One possible reason for discarding such a packet could be to free up buffer space. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnicastPackets [Received Unicast Packets] (ifInUcastPkts)	long	The number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
receivedUnknownProtocolPackets [Received Unknown Protocol Packets] (ifInUnknownProtos)	long	For packet-oriented interfaces, the number of packets received via the interface which were discarded because of an unknown or unsupported protocol. For character-oriented or fixed-length interfaces that support protocol multiplexing the number of transmission units received via the interface which were discarded because of an unknown or unsupported protocol. For any interface that does not support protocol multiplexing, this counter will always be 0. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
transmittedOctets [Transmitted Octets] (ifOutOctets)	long	The total number of octets transmitted out of the interface, including framing characters. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedUnicastPackets [Transmitted Unicast Packets] (ifOutUcastPkts)	long	The total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at this sub-layer, including those that were discarded or not sent. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
<p>MediaIndependentStats</p> <p>MIB entry name: mediaIndependentEntry</p> <p>Entry description: Media independent statistics for promiscuous monitoring of any media.</p> <p>Table description (for mediaIndependentTable): Media independent statistics for promiscuous monitoring of any media. The following table defines media independent statistics that provide information for full and/or half-duplex links as well as high capacity links. For half-duplex links, or full-duplex-capable links operating in half-duplex mode, the mediaIndependentIn* objects shall be used and the mediaIndependentOut* objects shall not increment. For full-duplex links, the mediaIndependentOut* objects shall be present and shall increment. Whenever possible, the probe should count packets moving away from the closest terminating equipment as output packets. Failing that, the probe should count packets moving away from the DTE as output packets.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
dropEvents [Drop Events] (mediaIndependentDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedFrames [Dropped Frames] (mediaIndependentDroppedFrames)	long	The total number of frames which were received by the probe and therefore not accounted for in the mediaIndependentDropEvents, but for which the probe chose not to count for this entry for whatever reason. Most often, this event occurs when the probe is out of some resources and decides to shed load from this collection. This count does not include packets that were not counted because they had MAC-layer errors. Note that, unlike the dropEvents counter, this number is the exact number of frames dropped.
duplex [Duplex] (mediaIndependentDuplexMode)	int	The current mode of this link. Note that if the link has full-duplex capabilities but is operating in half-duplex mode, this value will be halfduplex(1).
duplexChanges [Duplex Changes] (mediaIndependentDuplexChanges)	long	The number of times this link has changed from full-duplex mode to half-duplex mode or from half-duplex mode to full-duplex mode.
inputSpeed [Input Speed] (mediaIndependentInputSpeed)	long	The nominal maximum speed in kilobits per second of this half-duplex link or on the inbound connection of this full-duplex link. If the speed is unknown or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
outputSpeed [Output Speed] (mediaIndependentOutputSpeed)	long	The nominal maximum speed in kilobits per second of this full-duplex link in the direction of the network. If the speed is unknown, the link is half-duplex, or there is no fixed maximum (e.g. a compressed link), this value shall be zero.
receivedBadPackets [Received Bad Packets] (mediaIndependentInErrors)	long	The total number of bad packets received on a half-duplex link or on the inbound connection of a full-duplex link.
receivedNonUnicastPackets [Received Non Unicast Packets] (mediaIndependentInNUCastHigh-CapacityPkts)	java. math. BigInteger	The total number of non-unicast packets (including bad packets) received on a half-duplex link or on the inbound connection of a full-duplex link.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
receivedOctets [Received Octets] (mediaIndependentInHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received (excluding framing bits but including FCS octets) on a half-duplex link or on the inbound connection of a full-duplex link.
receivedPackets [Received Packets] (mediaIndependentInHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a half-duplex link or on the inbound connection of a full-duplex link.
transmittedBadPackets [Transmitted Bad Packets] (mediaIndependentOutErrors)	long	The total number of bad packets received on a full-duplex link in the direction of the network.
transmittedNonUnicastPackets [Transmitted Non Unicast Packets] (mediaIndependentOutNUC- astHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets) received on a full-duplex link in the direction of the network.
transmittedOctets [Transmitted Octets] (mediaIndependentOutHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on a full-duplex link in the direction of the network (excluding framing bits but including FCS octets).
transmittedPackets [Transmitted Packets] (mediaIndependentOutHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received on a full-duplex link in the direction of the network.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetEgressStats</p> <p>MIB entry name: tmnxPortNetEgressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetEgressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetEgressStatsTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetEgressDroInProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetEgressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetEgressDroInProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetEgressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetEgressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetEgressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetEgressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetEgressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetEgressFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue.
queueId [Queue Id] (tmnxPortNetEgressQueueIndex)	long	tmnxPortNetEgressQueueIndex serves as the tertiary index. When used in conjunction with tmnxChassisIndex and tmnxPortPortID, it uniquely identifies a network egress queue for the specified port in the managed system.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortNetIngressStats</p> <p>MIB entry name: tmnxPortNetIngressStatsEntry</p> <p>Entry description: Defines an entry in tmnxPortNetIngressStatsTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port.</p> <p>Table description (for tmnxPortNetIngressStatsTable): Defines the Alcatel-Lucent SROS series network port ingress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the physical queues being used for the ports to forward the network ingress traffic.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped [In Profile Octets Dropped] (tmnxPortNetIngressDroInProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroInProfOcts indicates the number of conforming network ingress octets dropped on this port using this queue.
inProfileOctetsForwarded [In Profile Octets Forwarded] (tmnxPortNetIngressFwdInProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfOcts indicates the number of conforming network ingress octets forwarded on this port using this queue.
inProfilePacketsDropped [In Profile Packets Dropped] (tmnxPortNetIngressDroInProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroInProfPkts indicates the number of conforming network ingress packets dropped on this port using this queue.
inProfilePacketsForwarded [In Profile Packets Forwarded] (tmnxPortNetIngressFwdInProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdInProfPkts indicates the number of conforming network ingress packets forwarded on this port using this queue.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outOfProfileOctetsDropped [Out Of Profile Octets Dropped] (tmnxPortNetIngressDroOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfOcts indicates the number of exceeding network ingress octets dropped on this port using this queue.
outOfProfileOctetsForwarded [Out Of Profile Octets Forwarded] (tmnxPortNetIngressFwdOutProfOcts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfOcts indicates the number of exceeding network ingress octets forwarded on this port using this queue.
outOfProfilePacketsDropped [Out Of Profile Packets Dropped] (tmnxPortNetIngressDroOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressDroOutProfPkts indicates the number of exceeding network ingress packets dropped on this port using this queue.
outOfProfilePacketsForwarded [Out Of Profile Packets Forwarded] (tmnxPortNetIngressFwdOutProfPkts)	java. math. BigInteger	tmnxPortNetIngressFwdOutProfPkts indicates the number of exceeding network ingress packets forwarded on this port using this queue.
<p>PortTerminationStats</p> <p>MIB entry name: tmnxBundleMemberImaEntry</p> <p>Entry description: Each row entry represents an IMA link associated with an IMA Group.</p> <p>Table description (for tmnxBundleMemberImaTable): The tmnxBundleMemberImaTable has an entry for an IMA link associated with an IMA Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: bundle.PortTermination</p>		
bundleMemberImaErrorIcpCells [Bundle Member Ima Error Icp Cells] (tmnxBundleMemberImaErrorIcpCells)	long	tmnxBundleMemberImaErrorIcpCells indicates the number of ICP cells with HEC or CRC-10 errors.
bundleMemberImaFeRxNumFails [Bundle Member Ima Fe Rx Num Fails] (tmnxBundleMemberImaFeRxNumFails)	long	tmnxBundleMemberImaFeRxNumFails indicates the number of times that a far-end receive alarm is set on the IMA link.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaFeRxUnuseSecs [Bundle Member Ima Fe Rx Unuse Secs] (tmnxBundleMemberImaFeRxUnuseSecs)	long	tmnxBundleMemberImaFeRxUnuseSecs indicates the number of unavailable seconds at the far-end receive link state machine.
bundleMemberImaFeSevErrSecs [Bundle Member Ima Fe Sev Err Secs] (tmnxBundleMemberImaFeSevErrSecs)	long	tmnxBundleMemberImaFeSevErrSecs indicates the number of one second intervals in which the far-end contains IMA-RDI defects.
bundleMemberImaFeTxNumFails [Bundle Member Ima Fe Tx Num Fails] (tmnxBundleMemberImaFeTxNumFails)	long	tmnxBundleMemberImaFeTxNumFails indicates the number of times that a far-end transmit alarm is set on the IMA link.
bundleMemberImaFeTxUnuseSecs [Bundle Member Ima Fe Tx Unuse Secs] (tmnxBundleMemberImaFeTxUnuseSecs)	long	tmnxBundleMemberImaFeTxUnuseSecs indicates the number of unavailable seconds at the far-end transmit link state machine.
bundleMemberImaFeUnavailSecs [Bundle Member Ima Fe Unavail Secs] (tmnxBundleMemberImaFeUnavailSecs)	long	tmnxBundleMemberImaFeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaLstRxlcpCells [Bundle Member Ima Lst Rx lcp Cells] (tmnxBundleMemberImaLstRxlcpCells)	long	tmnxBundleMemberImaLstRxlcpCells indicates the number of lost ICP cells at the expected offset.
bundleMemberImaNeRxNumFails [Bundle Member Ima Ne Rx Num Fails] (tmnxBundleMemberImaNeRxNumFails)	long	tmnxBundleMemberImaNeRxNumFails indicates the number of times that a near-end receive alarm is set on the IMA link.
bundleMemberImaNeRxUnuseSecs [Bundle Member Ima Ne Rx Unuse Secs] (tmnxBundleMemberImaNeRxUnuseSecs)	long	tmnxBundleMemberImaNeRxUnuseSecs indicates the number of unavailable seconds at the near-end receive link state machine.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
bundleMemberImaNeSevErrSecs [Bundle Member Ima Ne Sev Err Secs] (tmnxBundleMemberImaNeSevErrSecs)	long	tmnxBundleMemberImaNeSevErrSecs indicates the number of one second intervals in which thirty percent or more of the near-end ICP cells are in violation, or link defects have occurred.
bundleMemberImaNeTxNumFails [Bundle Member Ima Ne Tx Num Fails] (tmnxBundleMemberImaNeTxNumFails)	long	tmnxBundleMemberImaNeTxNumFails indicates the number of times that a near-end transmit alarm is set on the IMA link.
bundleMemberImaNeTxUnuseSecs [Bundle Member Ima Ne Tx Unuse Secs] (tmnxBundleMemberImaNeTxUnuseSecs)	long	tmnxBundleMemberImaNeTxUnuseSecs indicates the number of unavailable seconds at the near-end transmit link state machine.
bundleMemberImaNeUnavailSecs [Bundle Member Ima Ne Unavail Secs] (tmnxBundleMemberImaNeUnavailSecs)	long	tmnxBundleMemberImaNeUnavailSecs indicates the number of unavailable seconds at the near-end.
bundleMemberImaOifAnomalies [Bundle Member Ima Oif Anomalies] (tmnxBundleMemberImaOifAnomalies)	long	tmnxBundleMemberImaOifAnomalies indicates the number of OIF anomalies at the near-end.
bundleMemberImaRxIcpCells [Bundle Member Ima Rx Icp Cells] (tmnxBundleMemberImaRxIcpCells)	long	tmnxBundleMemberImaRxIcpCells indicates the number of ICP cells that have been received on the IMA link.
bundleMemberImaTxIcpCells [Bundle Member Ima Tx Icp Cells] (tmnxBundleMemberImaTxIcpCells)	long	tmnxBundleMemberImaTxIcpCells indicates the number of ICP cells that have been transmitted on the IMA link.
bundleMemberImaViolations [Bundle Member Ima Violations] (tmnxBundleMemberImaViolations)	long	tmnxBundleMemberImaViolations indicates the number of ICP violations including errored, invalid or missing ICP cells.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SystemCpuMonStats</p> <p>MIB entry name: tmnxSysCpuMonEntry</p> <p>Entry description: tmnxSysCpuMonEntry contains the system level CPU monitoring statistics over a specified sample-time.</p> <p>Table description (for tmnxSysCpuMonTable): tmnxSysCpuMonTable consists of the system level CPU monitoring statistics.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.SystemStatsHolder</p>		
tmnxSysCpuMonBusyCoreUtil [Tmnx Sys Cpu Mon Busy Core Util] (tmnxSysCpuMonBusyCoreUtil)	float	The value of tmnxSysCpuMonBusyCoreUtil indicates the utilization percentage of the busiest processor core over the specified sample-time. On single core CPUs, this is the overall system utilization percentage over the specified sample-time.
tmnxSysCpuMonBusyGroupName [Tmnx Sys Cpu Mon Busy Group Name] (tmnxSysCpuMonBusyGroupName)	String	The value of tmnxSysCpuMonBusyGroupName indicates the name of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The capacity utilization of the busiest group is indicated by tmnxSysCpuMonBusyGroupUtil.
tmnxSysCpuMonBusyGroupUtil [Tmnx Sys Cpu Mon Busy Group Util] (tmnxSysCpuMonBusyGroupUtil)	float	The value of tmnxSysCpuMonBusyGroupUtil indicates the capacity utilization of the group that is running at the highest capacity utilization. Capacity utilization is the CPU utilization relative to the maximum CPU resources available to that group. A group is a set of related applications, services, tasks or protocol handlers that consumes some part of the system CPU resources. The name of the busiest group is indicated by tmnxSysCpuMonBusyGroupName.

Table 831 equipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
tmnxSysCpuMonCpuIdle [Tmnx Sys Cpu Mon Cpu Idle] (tmnxSysCpuMonCpuIdle)	float	The value of tmnxSysCpuMonCpuIdle indicates the overall percentage of CPU idleness over the specified sample-time.
tmnxSysCpuMonSampleTime [Tmnx Sys Cpu Mon Sample Time] (tmnxSysCpuMonSampleTime)	int	The value of tmnxSysCpuMonSampleTime specifies the sample-time used to calculate the utilization results for the row.
SystemCpuStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemCpuUsage [System Cpu Usage] (sgiCpuUsage)	long	The value of sgiCpuUsage indicates the current CPU utilization for the system.
SystemMemoryStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: equipment.SystemStatsHolder		
systemMemoryUsage [System Memory Usage] (sgiMemoryUsed)	long	The value of sgiMemoryUsed indicates the total pre-allocated pool memory currently in use on the system. If the value is greater than the maximum value reportable by this object then this object reports its maximum value (4,294,967,295) and sgiKbMemoryUsed must be used to determine the total pre-allocated pool memory.

Table 832 ethernetequipment statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AdditionalEthernetStats</p> <p>MIB entry name: tmnxPortEtherEntry</p> <p>Entry description: Each row entry represents an Ethernet port on a IOM card in a chassis in the system. Entries cannot be created and deleted via SNMP SET operations. Before an IOM card entry can be deleted from the tmnxMDATable, its supported tmnxPortEntry and tmnxPortEtherEntry rows must be in the proper state for removal. The tmnxPortEtherEntry contains attributes that are unique to the Ethernet TmnxPortType.</p> <p>Table description (for tmnxPortEtherTable): The tmnxPortEtherTable has an entry for each Ethernet (faste, gige, xcme or xgige) port on each IOM card in each chassis in the TMNX system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize [High Capacity Packets 1519 to Max Frame Size] (tmnxPortEtherHCPkts1519toMax)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1519 octets in length and the maximum frame size, usually 12287 octets inclusive (excluding framing bits but including FCS octets). The lower 32-bits of this 64-bit counter will equal the value of tmnxPortEtherHCPkts1519toMax. The high 32-bits of this counter will equal the value of tmnxPortEtherHCOverPkts1519toMax.
packets1519toMaxFrameSize [Packets 1519 to Max Frame Size] (tmnxPortEtherPkts1519toMax)	long	The total number of packets received that were longer than 1518 octets but less than the maximum frame size for the particular medium, usually 12287 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>Dot3Stats</p> <p>MIB entry name: dot3StatsEntry</p> <p>Entry description: Statistics for a particular interface to an ethernet-like medium.</p> <p>Table description (for dot3StatsTable): Statistics for a collection of ethernet-like interfaces attached to a particular system. There will be one row in this table for each ethernet-like interface in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
<p>alignmentErrors [Alignment Errors] (dot3StatsAlignmentErrors)</p>	<p>long</p>	<p>A count of frames received on a particular interface that are not an integral number of octets in length and do not pass the FCS check. The count represented by an instance of this object is incremented when the alignmentError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. This counter does not increment for group encoding schemes greater than 4 bits per group. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsAlignmentErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
carrierSenseErrors [Carrier Sense Errors] (dot3StatsCarrierSenseErrors)	long	The number of times that the carrier sense condition was lost or never asserted when attempting to transmit a frame on a particular interface. The count represented by an instance of this object is incremented at most once per transmission attempt, even if the carrier sense condition fluctuates during a transmission attempt. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
deferredTransmissions [Deferred Transmissions] (dot3StatsDeferredTransmissions)	long	A count of frames for which the first transmission attempt on a particular interface is delayed because the medium is busy. The count represented by an instance of this object does not include frames involved in collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
duplex [Duplex] (dot3StatsDuplexStatus)	int	The current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
excessiveCollisions [Excessive Collisions] (dot3StatsExcessiveCollisions)	long	A count of frames for which transmission on a particular interface fails due to excessive collisions. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
fcsErrors [Fcs Errors] (dot3StatsFCSErrors)	long	A count of frames received on a particular interface that are an integral number of octets in length but do not pass the FCS check. This count does not include frames received with frame-too-long or frame-too-short error. The count represented by an instance of this object is incremented when the frameCheckError status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. Note: Coding errors detected by the physical layer for speeds above 10 Mb/s will cause the frame to fail the FCS check. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFCSErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
frameTooLongs [Frame Too Longs] (dot3StatsFrameTooLongs)	long	A count of frames received on a particular interface that exceed the maximum permitted frame size. The count represented by an instance of this object is incremented when the frameTooLong status is returned by the MAC service to the LLC (or other MAC user). Received frames for which multiple error conditions pertain are, according to the conventions of IEEE 802.3 Layer Management, counted exclusively according to the error status presented to the LLC. For interfaces operating at 10 Gb/s, this counter can roll over in less than 80 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsFrameTooLongs object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacReceiveErrors [Internal Mac Receive Errors] (dot3StatsInternalMacReceiveErrors)	long	A count of frames for which reception on a particular interface fails due to an internal MAC sublayer receive error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsFrameTooLongs object, the dot3StatsAlignmentErrors object, or the dot3StatsFCSErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of receive errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacReceiveErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
internalMacTransmitErrors [Internal Mac Transmit Errors] (dot3StatsInternalMacTransmitErrors)	long	A count of frames for which transmission on a particular interface fails due to an internal MAC sublayer transmit error. A frame is only counted by an instance of this object if it is not counted by the corresponding instance of either the dot3StatsLateCollisions object, the dot3StatsExcessiveCollisions object, or the dot3StatsCarrierSenseErrors object. The precise meaning of the count represented by an instance of this object is implementation- specific. In particular, an instance of this object may represent a count of transmission errors on a particular interface that are not otherwise counted. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsInternalMacTransmitErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
lateCollisions [Late Collisions] (dot3StatsLateCollisions)	long	The number of times that a collision is detected on a particular interface later than one slotTime into the transmission of a packet. A (late) collision included in a count represented by an instance of this object is also considered as a (generic) collision for purposes of other collision-related statistics. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
multipleCollisionFrames [Multiple Collision Frames] (dot3StatsMultipleCollisionFrames)	long	A count of frames that are involved in more than one collision and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsSingleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
singleCollisionFrames [Single Collision Frames] (dot3StatsSingleCollisionFrames)	long	A count of frames that are involved in a single collision, and are subsequently transmitted successfully. A frame that is counted by an instance of this object is also counted by the corresponding instance of either the ifOutUcastPkts, ifOutMulticastPkts, or ifOutBroadcastPkts, and is not counted by the corresponding instance of the dot3StatsMultipleCollisionFrames object. This counter does not increment when the interface is operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.
sqeTestErrors [Sqe Test Errors] (dot3StatsSQETestErrors)	long	A count of times that the SQE TEST ERROR is received on a particular interface. The SQE TEST ERROR is set in accordance with the rules for verification of the SQE detection mechanism in the PLS Carrier Sense Function as described in IEEE Std. 802.3, 2000 Edition, section 7.2.4.6. This counter does not increment on interfaces operating at speeds greater than 10 Mb/s, or on interfaces operating in full-duplex mode. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
symbolErrors [Symbol Errors] (dot3StatsSymbolErrors)	long	<p>For an interface operating at 100 Mb/s, the number of times there was an invalid data symbol when a valid carrier was present. For an interface operating in half-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than slotTime, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' or 'carrier extend error' on the GMII. For an interface operating in full-duplex mode at 1000 Mb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Data reception error' on the GMII. For an interface operating at 10 Gb/s, the number of times the receiving media is non-idle (a carrier event) for a period of time equal to or greater than minFrameSize, and during which there was at least one occurrence of an event that causes the PHY to indicate 'Receive Error' on the XGMII. The count represented by an instance of this object is incremented at most once per carrier event, even if multiple symbol errors occur during the carrier event. This count does not increment if a collision is present. This counter does not increment when the interface is operating at 10 Mb/s. For interfaces operating at 10 Gb/s, this counter can roll over in less than 5 minutes if it is incrementing at its maximum rate. Since that amount of time could be less than a management station's poll cycle time, in order to avoid a loss of information, a management station is advised to poll the dot3HCStatsSymbolErrors object for 10 Gb/s or faster interfaces. Discontinuities in the value of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of ifCounterDiscontinuityTime.</p>

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetHighCapacityStats</p> <p>MIB entry name: etherStatsHighCapacityEntry</p> <p>Entry description: Contains the High Capacity RMON extensions to the RMON-1 etherStatsEntry. These objects will be created by the agent for all etherStatsEntries it deems appropriate.</p> <p>Table description (for etherStatsHighCapacityTable): Contains the High Capacity RMON extensions to the RMON-1 etherStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsHighCapacityPkts1024to1518Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsHighCapacityPkts128to255Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsHighCapacityPkts256to511Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsHighCapacityPkts512to1023Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets64Octets [Packets 64 Octets] (etherStatsHighCapacityPkts64Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsHighCapacityPkts65to127Octets)	java. math. BigInteger	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalOctets [Total Octets] (etherStatsHighCapacityOctets)	java. math. BigInteger	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). If the network is half-duplex Fast Ethernet, this object can be used as a reasonable estimate of utilization. If greater precision is desired, the etherStatsHighCapacityPkts and etherStatsHighCapacityOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (.96 + .64) + (Octets * .08)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent. This table is not appropriate for monitoring full-duplex ethernets. If the network is a full-duplex ethernet and the medialIndependentTable is monitoring that network, the utilization can be calculated as follows: 1) Determine the utilization of the inbound path by using the appropriate equation (for ethernet or fast ethernet) to determine the utilization, substituting medialIndependentInPkts for etherStatsHighCapacityPkts, and medialIndependentInOctets for etherStatsHighCapacityOctets. Call the resulting utilization inUtilization. 2) Determine the utilization of the outbound path by using the same equation to determine the utilization, substituting medialIndependentOutPkts for etherStatsHighCapacityPkts, and medialIndependentOutOctets for etherStatsHighCapacityOctets. Call the resulting utilization outUtilization. 3) The utilization is the maximum of inUtilization and outUtilization. This metric shows the amount of percentage of bandwidth that is left before congestion will be experienced on the link.
totalPackets [Total Packets] (etherStatsHighCapacityPkts)	java. math. BigInteger	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>EthernetStats</p> <p>MIB entry name: etherStatsEntry</p> <p>Entry description: A collection of statistics kept for a particular Ethernet interface. As an example, an instance of the etherStatsPkts object might be named etherStatsPkts.1</p> <p>Table description (for etherStatsTable): A list of Ethernet statistics entries.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets [Broadcast Packets] (etherStatsBroadcastPkts)	long	The total number of good packets received that were directed to the broadcast address. Note that this does not include multicast packets.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
collisions [Collisions] (etherStatsCollisions)	long	The best estimate of the total number of collisions on this Ethernet segment. The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would. Probe location plays a much smaller role when considering 10BASE-T. 14.2.1.4 (10BASE-T) of IEEE standard 802.3 defines a collision as the simultaneous presence of signals on the DO and RD circuits (transmitting and receiving at the same time). A 10BASE-T station can only detect collisions when it is transmitting. Thus probes placed on a station and a repeater, should report the same number of collisions. Note also that an RMON probe inside a repeater should ideally report collisions between the repeater and one or more other hosts (transmit collisions as defined by IEEE 802.3k) plus receiver collisions observed on any coax segments to which the repeater is connected.
crcAlignErrors [Crc Align Errors] (etherStatsCRCAlignErrors)	long	The total number of packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets, inclusive, but had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error).
dropEvents [Drop Events] (etherStatsDropEvents)	long	The total number of events in which packets were dropped by the probe due to lack of resources. Note that this number is not necessarily the number of packets dropped; it is just the number of times this condition has been detected.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fragments [Fragments] (etherStatsFragments)	long	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
jabbers [Jabbers] (etherStatsJabbers)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets), and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that this definition of jabber is different than the definition in IEEE-802.3 section 8.2.1.5 (10BASE5) and section 10.3.1.4 (10BASE2). These documents define jabber as the condition where any packet exceeds 20 ms. The allowed range to detect jabber is between 20 ms and 150 ms.
multicastPackets [Multicast Packets] (etherStatsMulticastPkts)	long	The total number of good packets received that were directed to a multicast address. Note that this number does not include packets directed to the broadcast address.
oversizePackets [Oversize Packets] (etherStatsOversizePkts)	long	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.
packets1024to1518Octets [Packets 1024 to 1518 Octets] (etherStatsPkts1024to1518Octets)	long	The total number of packets (including bad packets) received that were between 1024 and 1518 octets in length inclusive (excluding framing bits but including FCS octets).
packets128to255Octets [Packets 128 to 255 Octets] (etherStatsPkts128to255Octets)	long	The total number of packets (including bad packets) received that were between 128 and 255 octets in length inclusive (excluding framing bits but including FCS octets).

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packets256to511Octets [Packets 256 to 511 Octets] (etherStatsPkts256to511Octets)	long	The total number of packets (including bad packets) received that were between 256 and 511 octets in length inclusive (excluding framing bits but including FCS octets).
packets512to1023Octets [Packets 512 to 1023 Octets] (etherStatsPkts512to1023Octets)	long	The total number of packets (including bad packets) received that were between 512 and 1023 octets in length inclusive (excluding framing bits but including FCS octets).
packets64Octets [Packets 64 Octets] (etherStatsPkts64Octets)	long	The total number of packets (including bad packets) received that were 64 octets in length (excluding framing bits but including FCS octets).
packets65to127Octets [Packets 65 to 127 Octets] (etherStatsPkts65to127Octets)	long	The total number of packets (including bad packets) received that were between 65 and 127 octets in length inclusive (excluding framing bits but including FCS octets).
totalOctets [Total Octets] (etherStatsOctets)	long	The total number of octets of data (including those in bad packets) received on the network (excluding framing bits but including FCS octets). This object can be used as a reasonable estimate of 10-Megabit ethernet utilization. If greater precision is desired, the etherStatsPkts and etherStatsOctets objects should be sampled before and after a common interval. The differences in the sampled values are Pkts and Octets, respectively, and the number of seconds in the interval is Interval. These values are used to calculate the Utilization as follows: $Pkts * (9.6 + 6.4) + (Octets * .8)$ Utilization = - Interval * 10,000 The result of this equation is the value Utilization which is the percent utilization of the ethernet segment on a scale of 0 to 100 percent.
totalPackets [Total Packets] (etherStatsPkts)	long	The total number of packets (including bad packets, broadcast packets, and multicast packets) received.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
undersizePackets [Undersize Packets] (etherStatsUndersizePkts)	long	The total number of packets received that were less than 64 octets long (excluding framing bits, but including FCS octets) and were otherwise well formed.
<p>OtulfStats MIB entry name: tmnxOtulfRawStatsEntry Entry description: The tmnxOtulfRawStatsEntry stores the statistics for an individual OTU interface. tmnxOtulfRawStatsEntry rows are created and destroyed by the system when rows are added or removed in the tmnxOtulfTable. Table description (for tmnxOtulfRawStatsTable): The tmnxOtulfRawStatsTable consists of the raw statistics associated with the OTU interfaces contained in the tmnxOtulfTable. Supports realtime plotting Supports scheduled collection Monitored class: equipment.PhysicalPort</p>		
elapsedSec [Elapsed Sec] (tmnxOtulfRawStatsElapsedSec)	long	The value of tmnxOtulfRawStatsElapsedSec indicates the number of Elapsed seconds since the last OTU raw statistics clearing.
feCes [Fe Ces] (tmnxOtulfRawStatsFECES)	long	The value of tmnxOtulfRawStatsFECES indicates the number of Forward Error Correction (FEC) Errors Seconds (ES).
fecCorrOnes [Fec Corr Ones] (tmnxOtulfRawStatsFECCorrOnes)	long	The value of tmnxOtulfRawStatsFECCorrOnes indicates the number of Forward Error Correction (FEC) corrected ones.
fecCorrZeros [Fec Corr Zeros] (tmnxOtulfRawStatsFECCorrZeros)	long	The value of tmnxOtulfRawStatsFECCorrZeros indicates the number of Forward Error Correction (FEC) corrected zeros.
fecSes [Fec Ses] (tmnxOtulfRawStatsFECSES)	long	The value of tmnxOtulfRawStatsFECSES indicates the number of Forward Error Correction (FEC) Severely Errors Seconds (SES).

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecUas [Fec Uas] (tmnxOtuIfRawStatsFECUAS)	long	The value of tmnxOtuIfRawStatsFECUAS indicates the number of Forward Error Correction (FEC) Unavailable Seconds (UAS).
fecUncorrSr [Fec Uncorr Sr] (tmnxOtuIfRawStatsFECUncorrSR)	long	The value of tmnxOtuIfRawStatsFECUncorrSR indicates the number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcFecCorrOnes [Hc Fec Corr Ones] (tmnxOtuIfRawStatsHCFECCorrOnes)	java. math. BigInteger	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the High Capacity number of Forward Error Correction (FEC) corrected ones.
hcFecCorrZeros [Hc Fec Corr Zeros] (tmnxOtuIfRawStatsHCFECCorrZeros)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECCorrZeros indicates the High Capacity number of Forward Error Correction (FEC) corrected zeros.
hcFecUncorrSr [Hc Fec Uncorr Sr] (tmnxOtuIfRawStatsHCFECUncorrSR)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCFECUncorrSR indicates the High Capacity number of Forward Error Correction (FEC) Uncorrectable Sub-Rows.
hcPmBei [Hc Pm Bei] (tmnxOtuIfRawStatsHCPMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsPMBEI indicates the High Capacity number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
hcPmBip8 [Hc Pm Bip 8] (tmnxOtuIfRawStatsHCPMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCPMBIP8 indicates the High Capacity number of Path Monitoring (PM) BIP8 errors.
hcSmBei [Hc Sm Bei] (tmnxOtuIfRawStatsHCSMBEI)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBEI indicates the High Capacity number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
hcSmBip8 [Hc Sm Bip 8] (tmnxOtuIfRawStatsHCSMBIP8)	java. math. BigInteger	The value of tmnxOtuIfRawStatsHCSMBIP8 indicates the High Capacity number of Section Monitoring (SM) BIP8 errors.
npj [Npj] (tmnxOtuIfRawStatsNPJ)	long	The value of tmnxOtuIfRawStatsNPJ indicates the number of Negative Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
ofFecCorrOnes [Of Fec Corr Ones] (tmnxOtuIfRawStatsOFFECCorrOnes)	long	The value of tmnxOtuIfRawStatsFECCorrOnes indicates the number of times the tmnxOtuIfRawStatsFECCorrOnes overflowed.
ofFecCorrZeros [Of Fec Corr Zeros] (tmnxOtuIfRawStatsOFFECCorrZeros)	long	The value of tmnxOtuIfRawStatsOFFECCorrZeros indicates the number of times the tmnxOtuIfRawStatsFECCorrZeros overflowed.
ofFecUncorrSr [Of Fec Uncorr Sr] (tmnxOtuIfRawStatsOFFECUncorrSR)	long	The value of tmnxOtuIfRawStatsOFFECUncorrSR indicates the number of times the tmnxOtuIfRawStatsFECUncorrSR overflowed.
ofPmBei [Of Pm Bei] (tmnxOtuIfRawStatsOFPMBEI)	long	The value of tmnxOtuIfRawStatsOFPMBEI indicates the number of times tmnxOtuIfRawStatsPMBEI overflowed.
ofPmBip8 [Of Pm Bip 8] (tmnxOtuIfRawStatsOFPMBIP8)	long	The value of tmnxOtuIfRawStatsOFPMBIP8 indicates the number of times the tmnxOtuIfRawStatsPMBIP8 overflowed.
ofSmBei [Of Sm Bei] (tmnxOtuIfRawStatsOFSMBEI)	long	The value of tmnxOtuIfRawStatsOFSMBEI indicates the number of times the tmnxOtuIfRawStatsSMBEI overflowed.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ofSmBip8 [Of Sm Bip 8] (tmnxOtuIfRawStatsOFSMBIP8)	long	The value of tmnxOtuIfRawStatsOFSMBIP8 indicates the number of times the tmnxOtuIfRawStatsSMBIP8 overflowed.
pmBei [Pm Bei] (tmnxOtuIfRawStatsPMBEI)	long	The value of tmnxOtuIfRawStatsPMBEI indicates the number of Path Monitoring (PM) Backward Error Indication (BEI) errors.
pmBip8 [Pm Bip 8] (tmnxOtuIfRawStatsPMBIP8)	long	The value of tmnxOtuIfRawStatsPMBIP8 indicates the number of Path Monitoring (PM) BIP8 errors.
pmEs [Pm Es] (tmnxOtuIfRawStatsPMES)	long	The value of tmnxOtuIfRawStatsPMES indicates the number of Path Monitoring (PM) Errored Seconds (ES).
pmSes [Pm Ses] (tmnxOtuIfRawStatsPMSES)	long	The value of tmnxOtuIfRawStatsPMSES indicates the number of Path Monitoring (PM) Severely Errored Seconds (SES).
pmUas [Pm Uas] (tmnxOtuIfRawStatsPMUAS)	long	The value of tmnxOtuIfRawStatsPMUAS indicates the number of Path Monitoring (PM) Unavailable Seconds (UAS).
ppj [Ppj] (tmnxOtuIfRawStatsPPJ)	long	The value of tmnxOtuIfRawStatsPPJ indicates the number of Positive Pointer justifications that occurred during the asynchronous demapping of the received payload inside the OTU frame.
smBei [Sm Bei] (tmnxOtuIfRawStatsSMBEI)	long	The value of tmnxOtuIfRawStatsSMBEI indicates the number of Section Monitoring (SM) Backward Error Indication (BEI) errors.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
smBip8 [Sm Bip 8] (tmnxOtuIfRawStatsSMBIP8)	long	The value of tmnxOtuIfRawStatsSMBIP8 indicates the number of Section Monitoring (SM) BIP8 errors.
smEs [Sm Es] (tmnxOtuIfRawStatsSMES)	long	The value of tmnxOtuIfRawStatsSMES indicates the number of Section Monitoring (SM) Errored Seconds (ES).
smSes [Sm Ses] (tmnxOtuIfRawStatsSMSES)	long	The value of tmnxOtuIfRawStatsSMSES indicates the number of Section Monitoring (SM) Severely Errored Seconds (SES).
smUas [Sm Uas] (tmnxOtuIfRawStatsSMUAS)	long	The value of tmnxOtuIfRawStatsSMUAS indicates the number of Section Monitoring (SM) Unavailable Seconds (UAS).
<p>PortEgrQosQueueStat MIB entry name: tmnxPortEgrQosQStatEntry Entry description: Egress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortEgrQosQStatTable): A table that contains egress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessEgrQGroup</p>		
portEgrQosQStatDpdInProfOcts [Port Egr Qos QStat Dpd In Prof Octs] (tmnxPortEgrQosQStatDpdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfOcts indicates the number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdInProfPkts [Port Egr Qos QStat Dpd In Prof Pkts] (tmnxPortEgrQosQStatDpdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdInProfPkts indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrQosQStatDpdOutProfOcts [Port Egr Qos QStat Dpd Out Prof Octs] (tmnxPortEgrQosQStatDpdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatDpdOutProfPkts [Port Egr Qos QStat Dpd Out Prof Pkts] (tmnxPortEgrQosQStatDpdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatDpdOutProfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portEgrQosQStatFwdInProfOcts [Port Egr Qos QStat Fwd In Prof Octs] (tmnxPortEgrQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdInProfPkts [Port Egr Qos QStat Fwd In Prof Pkts] (tmnxPortEgrQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfOcts [Port Egr Qos QStat Fwd Out Prof Octs] (tmnxPortEgrQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatFwdOutProfPkts [Port Egr Qos QStat Fwd Out Prof Pkts] (tmnxPortEgrQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortEgrQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
portEgrQosQStatQueueId [Port Egr Qos QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortEgressExpShaperHLStats</p> <p>MIB entry name: tPortEgrExpShaperStatsHLEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsHLEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsHLTable): The tPortEgrExpShaperStatsHLTable contains the statistics of each egress expanded shaper at the port level configured on this system represented in higher 32 and lower 32 bit objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOctsH [Port Egr Exp Shaper Agg St Fwd Octs H] (tPortEgrExpShaperAggStFwdOctsH)	long	The value of tPortEgrExpShaperAggStFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdOctsL [Port Egr Exp Shaper Agg St Fwd Octs L] (tPortEgrExpShaperAggStFwdOctsL)	long	The value of tPortEgrExpShaperAggStFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdOcts.
portEgrExpShaperAggStFwdPktsH [Port Egr Exp Shaper Agg St Fwd Pkts H] (tPortEgrExpShaperAggStFwdPktsH)	long	The value of tPortEgrExpShaperAggStFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperAggStFwdPktsL [Port Egr Exp Shaper Agg St Fwd Pkts L] (tPortEgrExpShaperAggStFwdPktsL)	long	The value of tPortEgrExpShaperAggStFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperAggStFwdPkts.
portEgrExpShaperCls1StFwdOctsH [Port Egr Exp Shaper Cls 1 St Fwd Octs H] (tPortEgrExpShaperCls1StFwdOctsH)	long	The value of tPortEgrExpShaperCls1StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.
portEgrExpShaperCls1StFwdOctsL [Port Egr Exp Shaper Cls 1 St Fwd Octs L] (tPortEgrExpShaperCls1StFwdOctsL)	long	The value of tPortEgrExpShaperCls1StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdOcts.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdPktsH [Port Egr Exp Shaper Cls 1 St Fwd Pkts H] (tPortEgrExpShaperCls1StFwdPktsH)	long	The value of tPortEgrExpShaperCls1StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls1StFwdPktsL [Port Egr Exp Shaper Cls 1 St Fwd Pkts L] (tPortEgrExpShaperCls1StFwdPktsL)	long	The value of tPortEgrExpShaperCls1StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls1StFwdPkts.
portEgrExpShaperCls2StFwdOctsH [Port Egr Exp Shaper Cls 2 St Fwd Octs H] (tPortEgrExpShaperCls2StFwdOctsH)	long	The value of tPortEgrExpShaperCls2StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdOcts.
portEgrExpShaperCls2StFwdOctsL [Port Egr Exp Shaper Cls 2 St Fwd Octs L] (tPortEgrExpShaperCls2StFwdOctsL)	long	The value of tPortEgrExpShaperCls2StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdOcts.
portEgrExpShaperCls2StFwdPktsH [Port Egr Exp Shaper Cls 2 St Fwd Pkts H] (tPortEgrExpShaperCls2StFwdPktsH)	long	The value of tPortEgrExpShaperCls2StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls2StFwdPktsL [Port Egr Exp Shaper Cls 2 St Fwd Pkts L] (tPortEgrExpShaperCls2StFwdPktsL)	long	The value of tPortEgrExpShaperCls2StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls2StFwdPkts.
portEgrExpShaperCls3StFwdOctsH [Port Egr Exp Shaper Cls 3 St Fwd Octs H] (tPortEgrExpShaperCls3StFwdOctsH)	long	The value of tPortEgrExpShaperCls3StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdOcts.
portEgrExpShaperCls3StFwdOctsL [Port Egr Exp Shaper Cls 3 St Fwd Octs L] (tPortEgrExpShaperCls3StFwdOctsL)	long	The value of tPortEgrExpShaperCls3StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdOcts.
portEgrExpShaperCls3StFwdPktsH [Port Egr Exp Shaper Cls 3 St Fwd Pkts H] (tPortEgrExpShaperCls3StFwdPktsH)	long	The value of tPortEgrExpShaperCls3StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StFwdPktsL [Port Egr Exp Shaper Cls 3 St Fwd Pkts L] (tPortEgrExpShaperCls3StFwdPktsL)	long	The value of tPortEgrExpShaperCls3StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls3StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsH [Port Egr Exp Shaper Cls 4 St Fwd Pkts H] (tPortEgrExpShaperCls4StFwdPktsH)	long	The value of tPortEgrExpShaperCls4StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls4StFwdPktsL [Port Egr Exp Shaper Cls 4 St Fwd Pkts L] (tPortEgrExpShaperCls4StFwdPktsL)	long	The value of tPortEgrExpShaperCls4StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls4StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsH [Port Egr Exp Shaper Cls 5 St Fwd Pkts H] (tPortEgrExpShaperCls5StFwdPktsH)	long	The value of tPortEgrExpShaperCls5StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.
portEgrExpShaperCls5StFwdPktsL [Port Egr Exp Shaper Cls 5 St Fwd Pkts L] (tPortEgrExpShaperCls5StFwdPktsL)	long	The value of tPortEgrExpShaperCls5StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls5StFwdPkts.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdOctsH [Port Egr Exp Shaper Cls 6 St Fwd Octs H] (tPortEgrExpShaperCls6StFwdOctsH)	long	The value of tPortEgrExpShaperCls6StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdOctsL [Port Egr Exp Shaper Cls 6 St Fwd Octs L] (tPortEgrExpShaperCls6StFwdOctsL)	long	The value of tPortEgrExpShaperCls6StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdOcts.
portEgrExpShaperCls6StFwdPktsH [Port Egr Exp Shaper Cls 6 St Fwd Pkts H] (tPortEgrExpShaperCls6StFwdPktsH)	long	The value of tPortEgrExpShaperCls6StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls6StFwdPktsL [Port Egr Exp Shaper Cls 6 St Fwd Pkts L] (tPortEgrExpShaperCls6StFwdPktsL)	long	The value of tPortEgrExpShaperCls6StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls6StFwdPkts.
portEgrExpShaperCls7StFwdOctsH [Port Egr Exp Shaper Cls 7 St Fwd Octs H] (tPortEgrExpShaperCls7StFwdOctsH)	long	The value of tPortEgrExpShaperCls7StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdOctsL [Port Egr Exp Shaper Cls 7 St Fwd Octs L] (tPortEgrExpShaperCls7StFwdOctsL)	long	The value of tPortEgrExpShaperCls7StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdOcts.
portEgrExpShaperCls7StFwdPktsH [Port Egr Exp Shaper Cls 7 St Fwd Pkts H] (tPortEgrExpShaperCls7StFwdPktsH)	long	The value of tPortEgrExpShaperCls7StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls7StFwdPktsL [Port Egr Exp Shaper Cls 7 St Fwd Pkts L] (tPortEgrExpShaperCls7StFwdPktsL)	long	The value of tPortEgrExpShaperCls7StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls7StFwdPkts.
portEgrExpShaperCls8StFwdOctsH [Port Egr Exp Shaper Cls 8 St Fwd Octs H] (tPortEgrExpShaperCls8StFwdOctsH)	long	The value of tPortEgrExpShaperCls8StFwdOctsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls8StFwdOctsL [Port Egr Exp Shaper Cls 8 St Fwd Octs L] (tPortEgrExpShaperCls8StFwdOctsL)	long	The value of tPortEgrExpShaperCls8StFwdOctsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdOcts.
portEgrExpShaperCls8StFwdPktsH [Port Egr Exp Shaper Cls 8 St Fwd Pkts H] (tPortEgrExpShaperCls8StFwdPktsH)	long	The value of tPortEgrExpShaperCls8StFwdPktsH indicates the higher 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
portEgrExpShaperCls8StFwdPktsL [Port Egr Exp Shaper Cls 8 St Fwd Pkts L] (tPortEgrExpShaperCls8StFwdPktsL)	long	The value of tPortEgrExpShaperCls8StFwdPktsL indicates the lower 32 bits of the value of tPortEgrExpShaperCls8StFwdPkts.
<p>PortEgressExpShaperStats</p> <p>MIB entry name: tPortEgrExpShaperStatsEntry</p> <p>Entry description: Each row in tPortEgrExpShaperStatsEntry represents a particular egress expanded secondary shaper statistics at the port level specified by tmnxPortEgrExpShaperName.</p> <p>Table description (for tPortEgrExpShaperStatsTable): The tPortEgrExpShaperStatsTable contains the statistics of each egress expanded shaper at the port level configured on this system. Most objects are represented in 64 bit. 32-bit version of the objects are available in tPortEgrExpShaperStatsHLTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.HsmdaEgressSecondaryShaper</p>		
portEgrExpShaperAggStFwdOcts [Port Egr Exp Shaper Agg St Fwd Octs] (tPortEgrExpShaperAggStFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdOcts indicates the aggregate number of octets forwarded by all of the classes of this egress expanded shaper.
portEgrExpShaperAggStFwdPkts [Port Egr Exp Shaper Agg St Fwd Pkts] (tPortEgrExpShaperAggStFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperAggStFwdPkts indicates the aggregate number of packets forwarded by all of the classes of this egress expanded shaper.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls1StFwdOcts [Port Egr Exp Shaper Cls 1 St Fwd Octs] (tPortEgrExpShaperCls1StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdOcts indicates the number of octets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StFwdPkts [Port Egr Exp Shaper Cls 1 St Fwd Pkts] (tPortEgrExpShaperCls1StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StFwdPkts indicates the number of packets forwarded by the class '1' egress expanded shaper.
portEgrExpShaperCls1StMonOvrOct [Port Egr Exp Shaper Cls 1 St Mon Ovr Oct] (tPortEgrExpShaperCls1StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls1StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '1' egress expanded shaper.
portEgrExpShaperCls2StFwdOcts [Port Egr Exp Shaper Cls 2 St Fwd Octs] (tPortEgrExpShaperCls2StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdOcts indicates the number of octets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StFwdPkts [Port Egr Exp Shaper Cls 2 St Fwd Pkts] (tPortEgrExpShaperCls2StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StFwdPkts indicates the number of packets forwarded by the class '2' egress expanded shaper.
portEgrExpShaperCls2StMonOvrOct [Port Egr Exp Shaper Cls 2 St Mon Ovr Oct] (tPortEgrExpShaperCls2StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls2StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '2' egress expanded shaper.
portEgrExpShaperCls3StFwdOcts [Port Egr Exp Shaper Cls 3 St Fwd Octs] (tPortEgrExpShaperCls3StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdOcts indicates the number of octets forwarded by the class '3' egress expanded shaper.
portEgrExpShaperCls3StFwdPkts [Port Egr Exp Shaper Cls 3 St Fwd Pkts] (tPortEgrExpShaperCls3StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StFwdPkts indicates the number of packets forwarded by the class '3' egress expanded shaper.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls3StMonOvrOct [Port Egr Exp Shaper Cls 3 St Mon Ovr Oct] (tPortEgrExpShaperCls3StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls3StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '3' egress expanded shaper.
portEgrExpShaperCls4StFwdOcts [Port Egr Exp Shaper Cls 4 St Fwd Octs] (tPortEgrExpShaperCls4StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdOcts indicates the number of octets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StFwdPkts [Port Egr Exp Shaper Cls 4 St Fwd Pkts] (tPortEgrExpShaperCls4StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StFwdPkts indicates the number of packets forwarded by the class '4' egress expanded shaper.
portEgrExpShaperCls4StMonOvrOct [Port Egr Exp Shaper Cls 4 St Mon Ovr Oct] (tPortEgrExpShaperCls4StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls4StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '4' egress expanded shaper.
portEgrExpShaperCls5StFwdOcts [Port Egr Exp Shaper Cls 5 St Fwd Octs] (tPortEgrExpShaperCls5StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdOcts indicates the number of octets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StFwdPkts [Port Egr Exp Shaper Cls 5 St Fwd Pkts] (tPortEgrExpShaperCls5StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StFwdPkts indicates the number of packets forwarded by the class '5' egress expanded shaper.
portEgrExpShaperCls5StMonOvrOct [Port Egr Exp Shaper Cls 5 St Mon Ovr Oct] (tPortEgrExpShaperCls5StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls5StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '5' egress expanded shaper.
portEgrExpShaperCls6StFwdOcts [Port Egr Exp Shaper Cls 6 St Fwd Octs] (tPortEgrExpShaperCls6StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdOcts indicates the number of octets forwarded by the class '6' egress expanded shaper.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portEgrExpShaperCls6StFwdPkts [Port Egr Exp Shaper Cls 6 St Fwd Pkts] (tPortEgrExpShaperCls6StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StFwdPkts indicates the number of packets forwarded by the class '6' egress expanded shaper.
portEgrExpShaperCls6StMonOvrOct [Port Egr Exp Shaper Cls 6 St Mon Ovr Oct] (tPortEgrExpShaperCls6StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls6StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '6' egress expanded shaper.
portEgrExpShaperCls7StFwdPkts [Port Egr Exp Shaper Cls 7 St Fwd Pkts] (tPortEgrExpShaperCls7StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdPkts indicates the number of packets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StFwdOcts [Port Egr Exp Shaper Cls 7 St Fwd Octs] (tPortEgrExpShaperCls7StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StFwdOcts indicates the number of octets forwarded by the class '7' egress expanded shaper.
portEgrExpShaperCls7StMonOvrOct [Port Egr Exp Shaper Cls 7 St Mon Ovr Oct] (tPortEgrExpShaperCls7StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls7StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '7' egress expanded shaper.
portEgrExpShaperCls8StFwdPkts [Port Egr Exp Shaper Cls 8 St Fwd Pkts] (tPortEgrExpShaperCls8StFwdPkts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdPkts indicates the number of packets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StFwdOcts [Port Egr Exp Shaper Cls 8 St Fwd Octs] (tPortEgrExpShaperCls8StFwdOcts)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StFwdOcts indicates the number of octets forwarded by the class '8' egress expanded shaper.
portEgrExpShaperCls8StMonOvrOct [Port Egr Exp Shaper Cls 8 St Mon Ovr Oct] (tPortEgrExpShaperCls8StMonOvrOct)	java. math. BigInteger	The value of tPortEgrExpShaperCls8StMonOvrOct indicates the number of octets above the configured monitor-threshold (since last read) by the class '8' egress expanded shaper.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PortIngQosQueueStat MIB entry name: tmnxPortIngQosQStatEntry Entry description: Ingress statistics about a specific port's QoS queue-group queue. Table description (for tmnxPortIngQosQStatTable): A table that contains ingress QoS queue-group queue port statistics. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.AccessIngrQGroup</p>		
portIngQosQStatDpdHiPrioOcts [Port Ing Qos QStat Dpd Hi Prio Octs] (tmnxPortIngQosQStatDpdHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdHiPrioPkts [Port Ing Qos QStat Dpd Hi Prio Pkts] (tmnxPortIngQosQStatDpdHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioOcts [Port Ing Qos QStat Dpd Lo Prio Octs] (tmnxPortIngQosQStatDpdLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatDpdLoPrioPkts [Port Ing Qos QStat Dpd Lo Prio Pkts] (tmnxPortIngQosQStatDpdLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatDpdLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portIngQosQStatFwdInProfOcts [Port Ing Qos QStat Fwd In Prof Octs] (tmnxPortIngQosQStatFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdInProfPkts [Port Ing Qos QStat Fwd In Prof Pkts] (tmnxPortIngQosQStatFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdInProfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatFwdOutProfOcts [Port Ing Qos QStat Fwd Out Prof Octs] (tmnxPortIngQosQStatFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatFwdOutProfPkts [Port Ing Qos QStat Fwd Out Prof Pkts] (tmnxPortIngQosQStatFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatFwdOutProfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
portIngQosQStatOffHiPrioOcts [Port Ing Qos QStat Off Hi Prio Octs] (tmnxPortIngQosQStatOffHiPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioOcts indicates the number of high priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffHiPrioPkts [Port Ing Qos QStat Off Hi Prio Pkts] (tmnxPortIngQosQStatOffHiPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffHiPrioPkts indicates the number of high priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioOcts [Port Ing Qos QStat Off Lo Prio Octs] (tmnxPortIngQosQStatOffLoPrioOcts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioOcts indicates the number of low priority octets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatOffLoPrioPkts [Port Ing Qos QStat Off Lo Prio Pkts] (tmnxPortIngQosQStatOffLoPrioPkts)	java. math. BigInteger	The value of tmnxPortIngQosQStatOffLoPrioPkts indicates the number of low priority packets, as determined by the port ingress QoS policy, offered by the Pchip to the Qchip.
portIngQosQStatQueueId [Port Ing Qos QStat Queue Id] (tmnxPortIngQosQStatQueueId)	long	The value of tmnxPortIngQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.
portIngQosQStatUncolOctsOff [Port Ing Qos QStat Uncol Octs Off] (tmnxPortIngQosQStatUncolOctsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolOctsOff indicates the number of uncolored octets offered to the ingress Qchip.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portIngQosQStatUncolPktsOff [Port Ing Qos QStat Uncol Pkts Off] (tmnxPortIngQosQStatUncolPktsOff)	java. math. BigInteger	The value of tmnxPortIngQosQStatUncolPktsOff indicates the number of uncolored packets offered to the ingress Qchip.
<p>PortNetEgrQGrpArbitStat</p> <p>MIB entry name: tPortNetEgrQGrpArbitStatEntry</p> <p>Entry description: The value of tPortNetEgrQGrpArbitStatEntry defines an entry in the tPortNetEgrQGrpArbitStatTable. It represents statistics about a specific QoS egress queue group arbiter.</p> <p>Table description (for tPortNetEgrQGrpArbitStatTable): The value of tPortNetEgrQGrpArbitStatTable contains egress QoS queue group arbiter statistics on network side.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpArbitStatFwdOcts [Port Net Egr QGrp Arbit Stat Fwd Octs] (tPortNetEgrQGrpArbitStatFwdOcts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdOcts indicates the number of fowrwarded octets by the egress queue group arbiter Pchip.
portNetEgrQGrpArbitStatFwdOctsH [Port Net Egr QGrp Arbit Stat Fwd Octs H] (tPortNetEgrQGrpArbitStatFwdOctsH)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdOctsL [Port Net Egr QGrp Arbit Stat Fwd Octs L] (tPortNetEgrQGrpArbitStatFwdOctsL)	long	The value of tPortNetEgrQGrpArbitStatFwdOctsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdOcts.
portNetEgrQGrpArbitStatFwdPkts [Port Net Egr QGrp Arbit Stat Fwd Pkts] (tPortNetEgrQGrpArbitStatFwdPkts)	java. math. BigInteger	The value of tPortNetEgrQGrpArbitStatFwdPkts indicates the number of fowrwarded packets by the egress queue group arbiter Pchip.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpArbitStatFwdPktsH [Port Net Egr QGrp Arbit Stat Fwd Pkts H] (tPortNetEgrQGrpArbitStatFwdPktsH)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsH indicates the upper 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatFwdPktsL [Port Net Egr QGrp Arbit Stat Fwd Pkts L] (tPortNetEgrQGrpArbitStatFwdPktsL)	long	The value of tPortNetEgrQGrpArbitStatFwdPktsL indicates the lower 32 bits of tPortNetEgrQGrpArbitStatFwdPkts.
portNetEgrQGrpArbitStatName [Port Net Egr QGrp Arbit Stat Name] (tPortNetEgrQGrpArbitStatName)	String	The value of tPortNetEgrQGrpArbitStatName specifies the name of the egress QoS arbiter of this port network queue group.
<p>PortNetEgrQGrpPStat MIB entry name: tPortNetEgrQGrpPStatEntry Entry description: The value of tPortNetEgrQGrpPStatEntry defines an entry in the tPortNetEgrQGrpPStatTable. It represents statistics about a specific QoS egress queue group policer on the specified port. Table description (for tPortNetEgrQGrpPStatTable): The value of tPortNetEgrQGrpPStatTable contains port egress queue group policer statistics on network side. Supports realtime plotting Supports scheduled collection Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQGrpPStDrpInProfOct [Port Net Egr QGrp PSt Drp In Prof Oct] (tPortNetEgrQGrpPStDrpInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfOct indicates the number of in-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfOctH [Port Net Egr QGrp PSt Drp In Prof Oct H] (tPortNetEgrQGrpPStDrpInProfOctH)	long	The value of tPortNetEgrQGrpPStDrpInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfOct.
portNetEgrQGrpPStDrpInProfOctL [Port Net Egr QGrp PSt Drp In Prof Oct L] (tPortNetEgrQGrpPStDrpInProfOctL)	long	The value of tPortNetEgrQGrpPStDrpInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfOct.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpInProfPkt [Port Net Egr QGrp PSt Drp In Prof Pkt] (tPortNetEgrQGrpPStDrpInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpInProfPkt indicates the number of in-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpInProfPktH [Port Net Egr QGrp PSt Drp In Prof Pkt H] (tPortNetEgrQGrpPStDrpInProfPktH)	long	The value of tPortNetEgrQGrpPStDrpInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpInProfPktL [Port Net Egr QGrp PSt Drp In Prof Pkt L] (tPortNetEgrQGrpPStDrpInProfPktL)	long	The value of tPortNetEgrQGrpPStDrpInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpInProfPkt.
portNetEgrQGrpPStDrpOutProfOct [Port Net Egr QGrp PSt Drp Out Prof Oct] (tPortNetEgrQGrpPStDrpOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfOct indicates the number of out-of-profile octets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfOctH [Port Net Egr QGrp PSt Drp Out Prof Oct H] (tPortNetEgrQGrpPStDrpOutProfOctH)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfOctL [Port Net Egr QGrp PSt Drp Out Prof Oct L] (tPortNetEgrQGrpPStDrpOutProfOctL)	long	The value of tPortNetEgrQGrpPStDrpOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfOct.
portNetEgrQGrpPStDrpOutProfPkt [Port Net Egr QGrp PSt Drp Out Prof Pkt] (tPortNetEgrQGrpPStDrpOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStDrpOutProfPkt indicates the number of out-of-profile packets discarded by the egress Pchip due to: MBS exceeded, buffer pool limit exceeded, etc.
portNetEgrQGrpPStDrpOutProfPktH [Port Net Egr QGrp PSt Drp Out Prof Pkt H] (tPortNetEgrQGrpPStDrpOutProfPktH)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStDrpOutProfPktL [Port Net Egr QGrp PSt Drp Out Prof Pkt L] (tPortNetEgrQGrpPStDrpOutProfPktL)	long	The value of tPortNetEgrQGrpPStDrpOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStDrpOutProfPkt.
portNetEgrQGrpPStFwdInProfOct [Port Net Egr QGrp PSt Fwd In Prof Oct] (tPortNetEgrQGrpPStFwdInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfOct indicates the number of in-profile octets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfOctH [Port Net Egr QGrp PSt Fwd In Prof Oct H] (tPortNetEgrQGrpPStFwdInProfOctH)	long	The value of tPortNetEgrQGrpPStFwdInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfOctL [Port Net Egr QGrp PSt Fwd In Prof Oct L] (tPortNetEgrQGrpPStFwdInProfOctL)	long	The value of tPortNetEgrQGrpPStFwdInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfOct.
portNetEgrQGrpPStFwdInProfPkt [Port Net Egr QGrp PSt Fwd In Prof Pkt] (tPortNetEgrQGrpPStFwdInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdInProfPkt indicates the number of in-profile packets (rate below CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdInProfPktH [Port Net Egr QGrp PSt Fwd In Prof Pkt H] (tPortNetEgrQGrpPStFwdInProfPktH)	long	The value of tPortNetEgrQGrpPStFwdInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdInProfPktL [Port Net Egr QGrp PSt Fwd In Prof Pkt L] (tPortNetEgrQGrpPStFwdInProfPktL)	long	The value of tPortNetEgrQGrpPStFwdInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdInProfPkt.
portNetEgrQGrpPStFwdOutProfOct [Port Net Egr QGrp PSt Fwd Out Prof Oct] (tPortNetEgrQGrpPStFwdOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStFwdOutProfOctH [Port Net Egr QGrp PSt Fwd Out Prof Oct H] (tPortNetEgrQGrpPStFwdOutProfOctH)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfOctL [Port Net Egr QGrp PSt Fwd Out Prof Oct L] (tPortNetEgrQGrpPStFwdOutProfOctL)	long	The value of tPortNetEgrQGrpPStFwdOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfOct.
portNetEgrQGrpPStFwdOutProfPkt [Port Net Egr QGrp PSt Fwd Out Prof Pkt] (tPortNetEgrQGrpPStFwdOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStFwdOutProfPkt indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStFwdOutProfPktH [Port Net Egr QGrp PSt Fwd Out Prof Pkt H] (tPortNetEgrQGrpPStFwdOutProfPktH)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStFwdOutProfPktL [Port Net Egr QGrp PSt Fwd Out Prof Pkt L] (tPortNetEgrQGrpPStFwdOutProfPktL)	long	The value of tPortNetEgrQGrpPStFwdOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStFwdOutProfPkt.
portNetEgrQGrpPStOffInProfOct [Port Net Egr QGrp PSt Off In Prof Oct] (tPortNetEgrQGrpPStOffInProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfOct indicates the number of in-profile octets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfOctH [Port Net Egr QGrp PSt Off In Prof Oct H] (tPortNetEgrQGrpPStOffInProfOctH)	long	The value of tPortNetEgrQGrpPStOffInProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfOct.
portNetEgrQGrpPStOffInProfOctL [Port Net Egr QGrp PSt Off In Prof Oct L] (tPortNetEgrQGrpPStOffInProfOctL)	long	The value of tPortNetEgrQGrpPStOffInProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfOct.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffInProfPkt [Port Net Egr QGrp PSt Off In Prof Pkt] (tPortNetEgrQGrpPStOffInProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffInProfPkt indicates the number of in-profile packets (rate below CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffInProfPktH [Port Net Egr QGrp PSt Off In Prof Pkt H] (tPortNetEgrQGrpPStOffInProfPktH)	long	The value of tPortNetEgrQGrpPStOffInProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffInProfPktL [Port Net Egr QGrp PSt Off In Prof Pkt L] (tPortNetEgrQGrpPStOffInProfPktL)	long	The value of tPortNetEgrQGrpPStOffInProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffInProfPkt.
portNetEgrQGrpPStOffOutProfOct [Port Net Egr QGrp PSt Off Out Prof Oct] (tPortNetEgrQGrpPStOffOutProfOct)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfOct indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Pchip.
portNetEgrQGrpPStOffOutProfOctH [Port Net Egr QGrp PSt Off Out Prof Oct H] (tPortNetEgrQGrpPStOffOutProfOctH)	long	The value of tPortNetEgrQGrpPStOffOutProfOctH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfOctL [Port Net Egr QGrp PSt Off Out Prof Oct L] (tPortNetEgrQGrpPStOffOutProfOctL)	long	The value of tPortNetEgrQGrpPStOffOutProfOctL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfOct.
portNetEgrQGrpPStOffOutProfPkt [Port Net Egr QGrp PSt Off Out Prof Pkt] (tPortNetEgrQGrpPStOffOutProfPkt)	java. math. BigInteger	The value of tPortNetEgrQGrpPStOffOutProfPkt indicates the number of out-of-profile packets (rate above CIR) offered by the egress Pchip.
portNetEgrQGrpPStOffOutProfPktH [Port Net Egr QGrp PSt Off Out Prof Pkt H] (tPortNetEgrQGrpPStOffOutProfPktH)	long	The value of tPortNetEgrQGrpPStOffOutProfPktH indicates the upper 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStOffOutProfPktL [Port Net Egr QGrp PSt Off Out Prof Pkt L] (tPortNetEgrQGrpPStOffOutProfPktL)	long	The value of tPortNetEgrQGrpPStOffOutProfPktL indicates the lower 32 bits of tPortNetEgrQGrpPStOffOutProfPkt.
portNetEgrQGrpPStUncolOctOff [Port Net Egr QGrp PSt Uncol Oct Off] (tPortNetEgrQGrpPStUncolOctOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolOctOff indicates the number of uncolored octets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolOctOffH [Port Net Egr QGrp PSt Uncol Oct Off H] (tPortNetEgrQGrpPStUncolOctOffH)	long	The value of tPortNetEgrQGrpPStUncolOctOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolOctOffL [Port Net Egr QGrp PSt Uncol Oct Off L] (tPortNetEgrQGrpPStUncolOctOffL)	long	The value of tPortNetEgrQGrpPStUncolOctOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolOctOff.
portNetEgrQGrpPStUncolPktOff [Port Net Egr QGrp PSt Uncol Pkt Off] (tPortNetEgrQGrpPStUncolPktOff)	java. math. BigInteger	The value of tPortNetEgrQGrpPStUncolPktOff indicates the number of uncolored packets forwarded by the egress Pchip.
portNetEgrQGrpPStUncolPktOffH [Port Net Egr QGrp PSt Uncol Pkt Off H] (tPortNetEgrQGrpPStUncolPktOffH)	long	The value of tPortNetEgrQGrpPStUncolPktOffH indicates the upper 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStUncolPktOffL [Port Net Egr QGrp PSt Uncol Pkt Off L] (tPortNetEgrQGrpPStUncolPktOffL)	long	The value of tPortNetEgrQGrpPStUncolPktOffL indicates the lower 32 bits of tPortNetEgrQGrpPStUncolPktOff.
portNetEgrQGrpPStatMode [Port Net Egr QGrp PStat Mode] (tPortNetEgrQGrpPStatMode)	int	The value of tPortNetEgrQGrpPStatMode indicates the stat mode used by this policer.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQGrpPStatQosPolicerId [Port Net Egr QGrp PStat Qos Policer Id] (tPortNetEgrQGrpPStatQosPolicerId)	long	The value of tPortNetEgrQGrpPStatQosPolicerId specifies the index of the egress QoS policer queue group on network port.
<p>PortNetEgrQueueStat MIB entry name: tmnxPortNetEgrQStatEntry Entry description: Defines an entry in tmnxPortNetEgrQStatTable. Entries are created and deleted by the system depending on the queue policy being used at the specific port. In release 10.0 tPortNetEgrQGrpInstancelId is added as another index before tmnxPortEgrQosQStatQueueId for this tmnxPortNetEgrQStatTable. Table description (for tmnxPortNetEgrQStatTable): Defines the Alcatel-Lucent SROS series network port egress statistics table for providing, via SNMP, the capability of retrieving the traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic. Supports realtime plotting Does not support scheduled collection Monitored class: ethernetequipment.NetworkEgrQGroup</p>		
portNetEgrQDroInProfOcts [Port Net Egr QDro In Prof Octs] (tmnxPortNetEgrQDroInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfOcts indicates the number of conforming network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroInProfPkts [Port Net Egr QDro In Prof Pkts] (tmnxPortNetEgrQDroInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroInProfPkts indicates the number of conforming network egress packets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfOcts [Port Net Egr QDro Out Prof Octs] (tmnxPortNetEgrQDroOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfOcts indicates the number of exceeding network egress octets dropped on this port using this queue-group queue.
portNetEgrQDroOutProfPkts [Port Net Egr QDro Out Prof Pkts] (tmnxPortNetEgrQDroOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQDroOutProfPkts indicates the number of exceeding network egress packets dropped on this port using this queue-group queue.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
portNetEgrQFwdInProfOcts [Port Net Egr QFwd In Prof Octs] (tmnxPortNetEgrQFwdInProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfOcts indicates the number of conforming network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdInProfPkts [Port Net Egr QFwd In Prof Pkts] (tmnxPortNetEgrQFwdInProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdInProfPkts indicates the number of conforming network egress packets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfOcts [Port Net Egr QFwd Out Prof Octs] (tmnxPortNetEgrQFwdOutProfOcts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfOcts indicates the number of exceeding network egress octets forwarded on this port using this queue-group queue.
portNetEgrQFwdOutProfPkts [Port Net Egr QFwd Out Prof Pkts] (tmnxPortNetEgrQFwdOutProfPkts)	java. math. BigInteger	The value of tmnxPortNetEgrQFwdOutProfPkts indicates the number of exceeding network egress packets forwarded on this port using this queue-group queue.
portNetEgrQStatQueueId [Port Net Egr QStat Queue Id] (tmnxPortEgrQosQStatQueueId)	long	The value of tmnxPortEgrQosQStatQueueId specifies the queue-group queue ID which is used as the fourth index to the table entry.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>QosDroppedOctetStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		
qosClassifier0DroppedOctets [Qos Classifier 0 Dropped Octets] (tmnxPortIngrMdaQos00StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedOctets [Qos Classifier 10 Dropped Octets] (tmnxPortIngrMdaQos10StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedOctets [Qos Classifier 11 Dropped Octets] (tmnxPortIngrMdaQos11StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedOctets [Qos Classifier 12 Dropped Octets] (tmnxPortIngrMdaQos12StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier13DroppedOctets [Qos Classifier 13 Dropped Octets] (tmnxPortIngrMdaQos13StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedOctets [Qos Classifier 14 Dropped Octets] (tmnxPortIngrMdaQos14StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedOctets [Qos Classifier 15 Dropped Octets] (tmnxPortIngrMdaQos15StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedOctets [Qos Classifier 1 Dropped Octets] (tmnxPortIngrMdaQos01StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.
qosClassifier2DroppedOctets [Qos Classifier 2 Dropped Octets] (tmnxPortIngrMdaQos02StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedOctets [Qos Classifier 3 Dropped Octets] (tmnxPortIngrMdaQos03StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedOctets [Qos Classifier 4 Dropped Octets] (tmnxPortIngrMdaQos04StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedOctets [Qos Classifier 5 Dropped Octets] (tmnxPortIngrMdaQos05StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier6DroppedOctets [Qos Classifier 6 Dropped Octets] (tmnxPortIngrMdaQos06StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedOctets [Qos Classifier 7 Dropped Octets] (tmnxPortIngrMdaQos07StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedOctets [Qos Classifier 8 Dropped Octets] (tmnxPortIngrMdaQos08StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedOctets [Qos Classifier 9 Dropped Octets] (tmnxPortIngrMdaQos09StatDropOcts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropOcts indicates the number of octets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.
<p>QosDroppedPacketStats</p> <p>MIB entry name: tmnxPortIngrMdaQosStatEntry</p> <p>Entry description: Each row indicates the MDA QoS discard statistics on an ethernet or SONET/SDH port located on an oversubscribed MDA. For ethernet ports, the tmnxPortEtherIngressRate object indicates the ingress shaping rate configured.</p> <p>Table description (for tmnxPortIngrMdaQosStatTable): The table tmnxPortIngrMdaQosStatTable contains a row for each ethernet or SONET/SDH port located on an oversubscribed MDA. Each object in a row refers to a QoS priority and forwarding class, which is a decimal value between 00 and 15 inclusive. The following table describes each decimal value: Priority ----- Forwarding Class High Low NC (Network Control) 00 01 H1 (Voice) 02 03 EF (Premium) 04 05 H2 (Video) 06 07 L1 (Management) 08 09 AF (Assured) 10 11 L2 (Priority) 12 13 BE (Best Effort) 14 15</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: equipment.PhysicalPort</p>		

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier0DroppedPackets [Qos Classifier 0 Dropped Packets] (tmnxPortIngrMdaQos00StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos00StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 00 because of an overload condition on the MDA.
qosClassifier10DroppedPackets [Qos Classifier 10 Dropped Packets] (tmnxPortIngrMdaQos10StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos10StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 10 because of an overload condition on the MDA.
qosClassifier11DroppedPackets [Qos Classifier 11 Dropped Packets] (tmnxPortIngrMdaQos11StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos11StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 11 because of an overload condition on the MDA.
qosClassifier12DroppedPackets [Qos Classifier 12 Dropped Packets] (tmnxPortIngrMdaQos12StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos12StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 12 because of an overload condition on the MDA.
qosClassifier13DroppedPackets [Qos Classifier 13 Dropped Packets] (tmnxPortIngrMdaQos13StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos13StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 13 because of an overload condition on the MDA.
qosClassifier14DroppedPackets [Qos Classifier 14 Dropped Packets] (tmnxPortIngrMdaQos14StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos14StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 14 because of an overload condition on the MDA.
qosClassifier15DroppedPackets [Qos Classifier 15 Dropped Packets] (tmnxPortIngrMdaQos15StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos15StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 15 because of an overload condition on the MDA.
qosClassifier1DroppedPackets [Qos Classifier 1 Dropped Packets] (tmnxPortIngrMdaQos01StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos01StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 01 because of an overload condition on the MDA.

Table 832 ethernetequipment statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosClassifier2DroppedPackets [Qos Classifier 2 Dropped Packets] (tmnxPortIngrMdaQos02StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos02StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 02 because of an overload condition on the MDA.
qosClassifier3DroppedPackets [Qos Classifier 3 Dropped Packets] (tmnxPortIngrMdaQos03StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos03StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 03 because of an overload condition on the MDA.
qosClassifier4DroppedPackets [Qos Classifier 4 Dropped Packets] (tmnxPortIngrMdaQos04StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos04StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 04 because of an overload condition on the MDA.
qosClassifier5DroppedPackets [Qos Classifier 5 Dropped Packets] (tmnxPortIngrMdaQos05StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos05StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 05 because of an overload condition on the MDA.
qosClassifier6DroppedPackets [Qos Classifier 6 Dropped Packets] (tmnxPortIngrMdaQos06StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos06StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 06 because of an overload condition on the MDA.
qosClassifier7DroppedPackets [Qos Classifier 7 Dropped Packets] (tmnxPortIngrMdaQos07StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos07StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 07 because of an overload condition on the MDA.
qosClassifier8DroppedPackets [Qos Classifier 8 Dropped Packets] (tmnxPortIngrMdaQos08StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos08StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 08 because of an overload condition on the MDA.
qosClassifier9DroppedPackets [Qos Classifier 9 Dropped Packets] (tmnxPortIngrMdaQos09StatDropPkts)	java. math. BigInteger	tmnxPortIngrMdaQos09StatDropPkts indicates the number of packets dropped on the oversubscribed MDA for QoS classifier result threshold 09 because of an overload condition on the MDA.

Table 833 ethernetoam statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CfmComponentLimitStats</p> <p>MIB entry name: tmnxDot1agCfmComponentLimitEntry</p> <p>Entry description: The tmnxDot1agCfmComponentLimitEntry consists of the resource limits for a particular component of ETH-CFM. Rows are managed by the system and can not be created or destroyed using SNMP set requests.</p> <p>Table description (for tmnxDot1agCfmComponentLimitTable): The tmnxDot1agCfmComponentLimitTable stores the current resource counts as well as their resource limits for Ethernet Connectivity Fault Management (ETH-CFM) components in the SROS series system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.CfmComponentLimit</p>		
compName [Comp Name] (tmnxDot1agCfmCompName)	String	The value of tmnxDot1agCfmCompName indicates the name of the ETH-CFM component.
compResourceLimit [Comp Resource Limit] (tmnxDot1agCfmCompResourceLimit)	long	The value of tmnxDot1agCfmCompResourceLimit indicates the maximum resource usage limit for the ETH-CFM component for the SROS series system.
compResourceUsage [Comp Resource Usage] (tmnxDot1agCfmCompResourceUsage)	long	The value of tmnxDot1agCfmCompResourceUsage indicates the current resource usage for the ETH-CFM component.
majorIndex [Major Index] (tmnxDot1agCfmCompMajorIndex)	long	The value of tmnxDot1agCfmCompMajorIndex specifies the major identifier of the ETH-CFM component.
minorIndex [Minor Index] (tmnxDot1agCfmCompMinorIndex)	long	The value of tmnxDot1agCfmCompMinorIndex specifies the minor identifier of the ETH-CFM component.

Table 833 ethernetoam statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>OamPerfReqTypesStats</p> <p>MIB entry name: tmnxOamSysPerfReqTypeEntry</p> <p>Entry description: Rows in tmnxOamSysPerfReqTypeTable are system-generated at CPM restart. Rows cannot be created or destroyed using SNMP.</p> <p>Table description (for tmnxOamSysPerfReqTypeTable): tmnxOamSysPerfReqTypeTable has a row for each relevant OAM echo request packet type. Each row contains packet counters.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ethernetoam.OamPerfReqTypes</p>		
oamTypeName [Oam Type Name] (tmnxOamSysPerfReqTypeName)	String	The value of tmnxOamSysPerfReqTypeName specifies the name of an echo request packet type (e.g. 'ICMP'). The name is the index for the row.
rxPackets [Rx Packets] (tmnxOamSysPerfReqTypeRemoteTstRx)	long	The value of tmnxOamSysPerfReqTypeRemoteTstRx indicates the number of echo request packets received from remotely initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.
txPackets [Tx Packets] (tmnxOamSysPerfReqTypeLocalTestTx)	long	The value of tmnxOamSysPerfReqTypeLocalTestTx indicates the number of echo request packets transmitted by locally initiated tests (since the last clear) for the echo request packet type specified by tmnxOamSysPerfReqTypeName.

Table 834 isis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceLevelOneReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelOneSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelOneConfig		

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoReceivingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsnp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.
InterfaceLevelTwoSendingStats MIB entry name: isisPacketCountEntry Entry description: Information about IS-IS protocol traffic at one level on one circuit in one direction Table description (for isisPacketCountTable): Information about IS-IS packets sent and received Supports realtime plotting Supports scheduled collection Monitored class: isis.InterfaceLevelTwoConfig		
cnsnpCount [Cnsp Count] (isisPacketCountCSNP)	long	The number of IS-IS CSNPs seen in this direction at this level.
helloCount [Hello Count] (isisPacketCountHello)	long	The number of IS-IS Hello PDUs seen in this direction at this level.
lspCount [Lsp Count] (isisPacketCountLSP)	long	The number of IS-IS LSPs seen in this direction at this level.
psnpCount [Psnp Count] (isisPacketCountPSNP)	long	The number of IS-IS PSNPs seen in this direction at this level.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LinkStatePduSiteStats MIB entry name: vRtrIIsStatsEntry Entry description: Each row entry in the vRtrIIsStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for vRtrIIsStatsTable): The vRtrIIsStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables vRtrIIsTable and vRtrIIsStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
csnpDropped [Csnp Dropped] (vRtrIIsCSNPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIIsCSNPDrop.
csnpReceived [Csnp Received] (vRtrIIsCSNPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIIsCSNPRecd.
csnpRetransmitted [Csnp Retransmitted] (vRtrIIsCSNPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIIsCSNPRetrans.
csnpSent [Csnp Sent] (vRtrIIsCSNPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIIsCSNPSent.
helloDropped [Hello Dropped] (vRtrIIsIIHDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIIsIIHDrop.
helloReceived [Hello Received] (vRtrIIsIIHRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIIsIIHRecd.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
helloRetransmitted [Hello Retransmitted] (vRtrIisisIIHRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisIIHRetrans.
helloSent [Hello Sent] (vRtrIisisIIHSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisisIIHSent.
lspDropped [Lsp Dropped] (vRtrIisisLSPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisisLSPDrop.
lspReceived [Lsp Received] (vRtrIisisLSPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisisLSPRecd.
lspRetransmitted [Lsp Retransmitted] (vRtrIisisLSPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisLSPRetrans.
lspSent [Lsp Sent] (vRtrIisisLSPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIisisLSPSent.
psnpDropped [Psnp Dropped] (vRtrIisisPSNPDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIisisPSNPDrop.
psnpReceived [Psnp Received] (vRtrIisisPSNPRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIisisPSNPRecd.
psnpRetransmitted [Psnp Retransmitted] (vRtrIisisPSNPRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIisisPSNPRetrans.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
psnpSent [Psnp Sent] (vRtrIsisPSNPSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisPSNPSent.
unknownDropped [Unknown Dropped] (vRtrIsisUnknownDrop)	long	The count of link state PDUs dropped by this instance of the protocol is maintained by vRtrIsisUnknownDrop.
unknownReceived [Unknown Received] (vRtrIsisUnknownRecd)	long	The count of link state PDUs received by this instance of the protocol is maintained by vRtrIsisUnknownRecd.
unknownRetransmitted [Unknown Retransmitted] (vRtrIsisUnknownRetrans)	long	The count of link state PDUs that had to be retransmitted by this instance of the protocol is maintained by vRtrIsisUnknownRetrans.
unknownSent [Unknown Sent] (vRtrIsisUnknownSent)	long	The count of link state PDUs sent out by this instance of the protocol is maintained by vRtrIsisUnknownSent.
SiteLfaStats MIB entry name: vRtrIsisLfaEntry Entry description: Each row entry in the vRtrIsisLfaTable represents information on LFA coverage for various topologies of the system. Table description (for vRtrIsisLfaTable): The vRtrIsisLfaTable maintains information on loopfree-alternate (LFA) coverage for each instance of IS-IS protocol. Supports realtime plotting Supports scheduled collection Monitored class: isis.Site		
isisLfaIpv4Coverage [Isis Lfa Ipv 4 Coverage] (vRtrIsisLfaIpv4Coverage)	long	The value of vRtrIsisLfaIpv4Coverage indicates how much LFA coverage is being obtained for the available Ipv4 routes.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
isisLfaIpv4NodesCovered [Isis Lfa Ipv 4 Nodes Covered] (vRtrIsisLfaIpv4NodesCovered)	long	The value of vRtrIsisLfaIpv4NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available Ipv4 routes.
isisLfaIpv4TotalNodes [Isis Lfa Ipv 4 Total Nodes] (vRtrIsisLfaIpv4TotalNodes)	long	The value of vRtrIsisLfaIpv4TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available Ipv4 routes.
isisLfaIpv6Coverage [Isis Lfa Ipv 6 Coverage] (vRtrIsisLfaIpv6Coverage)	long	The value of vRtrIsisLfaIpv6Coverage indicates how much LFA coverage is being obtained for the available Ipv6 routes.
isisLfaIpv6NodesCovered [Isis Lfa Ipv 6 Nodes Covered] (vRtrIsisLfaIpv6NodesCovered)	long	The value of vRtrIsisLfaIpv6NodesCovered indicates in absolute numbers how much LFA coverage is being obtained for available Ipv6 routes.
isisLfaIpv6TotalNodes [Isis Lfa Ipv 6 Total Nodes] (vRtrIsisLfaIpv6TotalNodes)	long	The value of vRtrIsisLfaIpv6TotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available Ipv6 routes.
isisLfaNodeCoverage [Isis Lfa Node Coverage] (vRtrIsisLfaNodeCoverage)	long	The value of vRtrIsisLfaNodeCoverage indicates how much LFA coverage is being obtained for the set of available nodes.
isisLfaNodesCovered [Isis Lfa Nodes Covered] (vRtrIsisLfaNodesCovered)	long	The value of vRtrIsisLfaNodesCovered indicates in absolute numbers how much LFA coverage is being obtained for the available routes.
isisLfaTotalNodes [Isis Lfa Total Nodes] (vRtrIsisLfaTotalNodes)	long	The value of vRtrIsisLfaTotalNodes indicates in absolute numbers how much LFA coverage can be obtained for the available routes.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SiteStats MIB entry name: vRtrIsisStatsEntry Entry description: Each row entry in the vRtrIsisStatsTable stores statistics for an instance of IS-IS protocol configured. Table description (for vRtrIsisStatsTable): The vRtrIsisStatsTable provides statistics for each instance of IS-IS protocol configured. There is a one-to-one dependent relationship between the tables vRtrIsisTable and vRtrIsisStatsTable. Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • isis.Site • spb.Site 		
cspfDroppedRequests [Cspf Dropped Requests] (vRtrIsisCSPFDroppedRequests)	long	vRtrIsisCSPFDroppedRequests maintains the number of dropped CSPF requests by the protocol.
cspfPathsFound [Cspf Paths Found] (vRtrIsisCSPFPathsFound)	long	vRtrIsisCSPFPathsFound maintains the number of responses to CSPF requests for which paths satisfying the constraints were found.
cspfPathsNotFound [Cspf Paths Not Found] (vRtrIsisCSPFPathsNotFound)	long	vRtrIsisCSPFPathsFound maintains the number of responses to CSPF requests for which no paths satisfying the constraints were found.
cspfRequests [Cspf Requests] (vRtrIsisCSPFRequests)	long	vRtrIsisCSPFRequests maintains the number of CSPF requests made to the protocol.
initiatedPurges [Initiated Purges] (vRtrIsisInitiatedPurges)	long	The value of vRtrIsisInitiatedPurges counts the number of times purges have been initiated.
lfaRuns [Lfa Runs] (vRtrIsisLfaRuns)	long	The value of vRtrIsisLfaRuns indicates the number of times loopfree-alternate calculations have been made.

Table 834 isis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
lspRegenerations [Lsp Regenerations] (vRtrIsisLSPRegenerations)	long	The value of vRtrIsisLSPRegenerations maintains the count of LSP regenerations.
spfRuns [Spf Runs] (vRtrIsisSpfRuns)	long	The value of vRtrIsisSpfRuns indicates the number of times shortest path first calculations have been made.

Table 835 I2fib statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MFibGrpSrcStats</p> <p>MIB entry name: tIsMFibStatsEntry</p> <p>Entry description: An entry in the tIsMFibStatsTable.</p> <p>Table description (for tIsMFibStatsTable): tIsMFibStatsTable contains statistics for the entries in the IPv4 Multicast FIB for this TIs. These statistics are collected by the forwarding engine.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: I2fib.MFibGrpSrc</p>		
forwardedOctets [Forwarded Octets] (tIsMFibStatsForwardedOctets)	java. math. BigInteger	The value of tIsMFibStatsForwardedOctets indicates the number of octets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.
forwardedPkts [Forwarded Pkts] (tIsMFibStatsForwardedPkts)	java. math. BigInteger	The value of tIsMFibStatsForwardedPkts indicates the number of multicast packets that were forwarded to the SAPs and SDPs listed in the tIsMFibInfoTable.

Table 836 I2fwd statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CircuitStpStats MIB entry name: sdpBindTlsEntry Entry description: TLS specific information about an SDP Bind. Table description (for sdpBindTlsTable): A table that contains TLS spoke SDP Bind information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.CircuitStp</p>		
forwardTransitions [Forward Transitions] (sdpBindTlsStpForwardTransitions)	long	The value of the object sdpBindTlsStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
inBadBpdus [In Bad Bpdus] (sdpBindTlsStpInBadBpdus)	long	The value of the object sdpBindTlsStpInBadBpdus indicates the number of bad BPDUs received on this SDP Bind.
inConfigBpdus [In Config Bpdus] (sdpBindTlsStpInConfigBpdus)	long	The value of the object sdpBindTlsStpInConfigBpdus indicates the number of Configuration BPDUs received on this SDP Bind.
inRapidSpanningTreeBpdus [In Rapid Spanning Tree Bpdus] (sdpBindTlsStpInRstBpdus)	long	The value of the object sdpBindTlsStpInRstBpdus indicates the number of Rapid Spanning Tree (Rst) BPDUs received on this SDP.
inTcnBpdus [In Tcn Bpdus] (sdpBindTlsStpInTcnBpdus)	long	The value of the object sdpBindTlsStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this SDP Bind.
outConfigBpdus [Out Config Bpdus] (sdpBindTlsStpOutConfigBpdus)	long	The value of the object sdpBindTlsStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this SDP Bind.

Table 836 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
outRapidSpanningTreeBpdus [Out Rapid Spanning Tree Bpdus] (sdpBindTlsStpOutRstBpdus)	long	The value of the object sdpBindTlsStpOutRstBpdus indicates the number of Rapid Spanning Tree (Rstp) BPDUs sent out on this SDP.
outTcnBpdus [Out Tcn Bpdus] (sdpBindTlsStpOutTcnBpdus)	long	The value of the object sdpBindTlsStpOutTcnBpdus indicates the number of Topology Change Notification BPDUs sent out this SDP Bind.
<p>PipStpInfoStats MIB entry name: tlsPipInfoEntry Entry description: TLS specific information about PIP uplink. Table description (for tlsPipInfoTable): A table that contains TLS PIP (Provider Internal Port) uplink information. PIP is the virtual link between I and B components of PBB (Provider Backbone Bridging) model. I component refers to a service with svcVplsType set to 'iVpls (3)' and B component refers to a service with svcVplsType set to 'bVpls (2)'. When any form of STP is enabled in the iVpls domain, the PIP uplink is modeled as a regular STP port. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.PipStpInfo</p>		
pipInTcBitBpdus [Pip In Tc Bit Bpdus] (tlsPipInTcBitBpdus)	long	The value of the object tlsPipInTcBitBpdus indicates the number of BPDUs received on this PIP uplink with the Topology Change bit set.
pipOutTcBitBpdus [Pip Out Tc Bit Bpdus] (tlsPipOutTcBitBpdus)	long	This object specifies the number of BPDUs sent out this PIP uplink with the Topology Change bit set.
pipStpForwardTransitions [Pip Stp Forward Transitions] (tlsPipStpForwardTransitions)	long	The value of the object tlsPipStpForwardTransitions indicates the number of times this port has transitioned from the Learning state to the Forwarding state.
pipStpInBadBpdus [Pip Stp In Bad Bpdus] (tlsPipStpInBadBpdus)	long	This object specifies the number of bad BPDUs received on this PIP uplink.

Table 836 l2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
pipStpInConfigBpdus [Pip Stp In Config Bpdus] (tlsPipStpInConfigBpdus)	long	The value of the object tlsPipStpInConfigBpdus indicates the number of Configuration BPDUs received on this PIP uplink.
pipStpInMstBpdus [Pip Stp In Mst Bpdus] (tlsPipStpInMstBpdus)	long	The value of the object tlsPipStpInMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs received on this PIP uplink.
pipStpInRstBpdus [Pip Stp In Rst Bpdus] (tlsPipStpInRstBpdus)	long	The value of the object tlsPipStpInRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs received on this PIP uplink.
pipStpInTcnBpdus [Pip Stp In Tcn Bpdus] (tlsPipStpInTcnBpdus)	long	The value of the object tlsPipStpInTcnBpdus indicates the number of Topology Change Notification BPDUs received on this PIP uplink.
pipStpOutConfigBpdus [Pip Stp Out Config Bpdus] (tlsPipStpOutConfigBpdus)	long	The value of the object tlsPipStpOutConfigBpdus indicates the number of Configuration BPDUs sent out this PIP uplink.
pipStpOutMstBpdus [Pip Stp Out Mst Bpdus] (tlsPipStpOutMstBpdus)	long	The value of the object tlsPipStpOutMstBpdus indicates the number of Multiple Spanning Tree (MST) BPDUs sent out on this PIP uplink.
pipStpOutRstBpdus [Pip Stp Out Rst Bpdus] (tlsPipStpOutRstBpdus)	long	The value of the object tlsPipStpOutRstBpdus indicates the number of Rapid Spanning Tree (RST) BPDUs sent out on this PIP uplink.
pipStpOutTcnBpdus [Pip Stp Out Tcn Bpdus] (tlsPipStpOutTcnBpdus)	long	This object specifies the number of Topology Change Notification BPDUs sent out this PIP uplink.

Table 836 I2fwd statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteFibStats MIB entry name: svcTlsInfoEntry Entry description: TLS specific information about a service. Table description (for svcTlsInfoTable): A table that contains TLS service information. Supports realtime plotting Supports scheduled collection Monitored class: I2fwd.SiteFib</p>		
entries [Entries] (svcTlsFdbNumEntries)	long	The value of the object svcTlsFdbNumEntries indicates the current number of entries in the FDB of this service.
provisionedSize [Provisioned Size] (svcTlsFdbTableSize)	long	The value of the object svcTlsFdbTableSize specifies the maximum number of learned and static entries allowed in the FDB of this service. The maximum value of svcTlsFdbTableSize is '511999', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'd'. The maximum value of svcTlsFdbTableSize is '196607', when the the value of TIMETRA-CHASSIS-MIB::tmnxChassisOperMode is 'c'. In other cases, the maximum value of svcTlsFdbTableSize is '131071'.
staticEntries [Static Entries] (svcTlsFdbNumStaticEntries)	long	The value of the object svcTlsFdbNumStaticEntries indicates the current number of static entries in the FDB of this service.

Table 837 lag statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>LagStats</p> <p>MIB entry name: tLagOperationEntry</p> <p>Entry description: An entry (conceptual row) in the tLagOperationTable. Each entry represents an active Link Aggregation Group.</p> <p>Table description (for tLagOperationTable): Operational information about each Link Aggregation Group.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: lag.Interface</p>		
portThresholdFalling [Port Threshold Falling] (tLagPortThresholdFalling)	long	counts the number of linkDown or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being less than or equal to tLagPortThreshold value.
portThresholdRising [Port Threshold Rising] (tLagPortThresholdRising)	long	counts the number of linkUp or dynamicCost events for the Link Aggregation Group caused by the number of physical ports being greater than tLagPortThreshold value.
<p>MultiChassisLagMemberStats</p> <p>MIB entry name: tmnxMcLagLagStatsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a lag that participates in a multi-chassis configuration with a given peer. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for tmnxMcLagLagStatsTable): The tmnxMcLagLagStatsTable has an entry for each lag that participates in a multi-chassis configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember 		
configPacketsReceived [Config Packets Received] (tmnxMcLagLagStatsPktsRxConfig)	long	The value of tmnxMcLagLagStatsPktsRxConfig indicates how many MC-Lag control packets of type lag config were received on this system from the peer for this lag.

Table 837 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagLagStatsPktsTxConfig)	long	The value of tmnxMcLagLagStatsPktsTxConfig indicates how many MC-Lag control packets of type lag config were sent on this system to the peer for this lag.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagLagStatsPktsTxFailed)	long	The value of tmnxMcLagLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted on this system to the peer for this lag.
statePacketsReceived [State Packets Received] (tmnxMcLagLagStatsPktsRxState)	long	The value of tmnxMcLagLagStatsPktsRxState indicates how many MC-Lag control packets of type lag state were received on this system from the peer for this lag.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagLagStatsPktsTxState)	long	The value of tmnxMcLagLagStatsPktsTxState indicates how many MC-Lag control packets of type lag state were sent on this system to the peer for this lag.
MultiChassisLagStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored classes: <ul style="list-style-type: none"> • equipment.CardSlot • netw.NetworkElement 		
configPacketsReceived [Config Packets Received] (tmnxMcLagStatsPktsRxConfig)	long	The value of tmnxMcLagStatsPktsRxConfig indicates how many valid MC-Lag control packets indicating the lag configuration were received on this system.
configPacketsTransmitted [Config Packets Transmitted] (tmnxMcLagStatsPktsTxConfig)	long	The value of tmnxMcLagStatsPktsTxConfig indicates how many MC-Lag control packets were transmitted from this system of type lag config.

Table 837 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
failedMD5AuthenticationPacketsDropped [Failed MD5 Authentication Packets Dropped] (tmnxMcLagStatsDropMD5)	long	The value of tmnxMcLagStatsDropMD5 indicates how many MC-Lag control packets were dropped on this system because they failed MD5 authentication.
failedPacketsTransmitted [Failed Packets Transmitted] (tmnxMcLagStatsPktsTxFailed)	long	The value of tmnxMcLagStatsPktsTxFailed indicates how many MC-Lag control packets failed to be transmitted.
invalidLagIdPacketsDropped [Invalid Lag Id Packets Dropped] (tmnxMcLagStatsDropTlvInvlLagId)	long	The value of tmnxMcLagStatsDropTlvInvlLagId indicates how many MC-Lag control packets were dropped on this system because they refer to an invalid or non multi-chassis lag.
invalidSizePacketsDropped [Invalid Size Packets Dropped] (tmnxMcLagStatsDropTlvInvalidSize)	long	The value of tmnxMcLagStatsDropTlvInvalidSize indicates how many MC-Lag control packets were dropped on this system because of invalid size.
keepalivePacketsReceived [Keepalive Packets Received] (tmnxMcLagStatsPktsRxKeepalive)	long	The value of tmnxMcLagStatsPktsRxKeepalive indicates how many valid MC-Lag control packets of type keepalive were received on this system.
keepalivePacketsTransmitted [Keepalive Packets Transmitted] (tmnxMcLagStatsPktsTxKeepalive)	long	The value of tmnxMcLagStatsPktsTxKeepalive indicates how many MC-Lag control packets were transmitted from this system of type keepalive.
outOfSequencePacketsDropped [Out Of Sequence Packets Dropped] (tmnxMcLagStatsDropOutOfSeq)	long	The value of tmnxMcLagStatsDropOutOfSeq indicates how many MC-Lag control packets were dropped on this system because they were out of sequence.
packetsDropped [Packets Dropped] (tmnxMcLagStatsDropPktKpaliveTask)	long	The value of tmnxMcLagStatsDropPktKpaliveTask indicates how many MC-Lag control packets were dropped on this system because of invalid size, authentication or unknown peer.

Table 837 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
packetsReceived [Packets Received] (tmnxMcLagStatsPktsRx)	long	The value of tmnxMcLagStatsPktsRx indicates how many MC-Lag control packets with valid authentication were received on this system.
packetsTransmitted [Packets Transmitted] (tmnxMcLagStatsPktsTx)	long	The value of tmnxMcLagStatsPktsTx indicates how many MC-Lag control packets were transmitted from this system.
peerConfigPacketsReceived [Peer Config Packets Received] (tmnxMcLagStatsPktsRxPeerConfig)	long	The value of tmnxMcLagStatsPktsRxPeerConfig indicates how many valid MC-Lag control packets indicating the peer configuration were received on this system.
peerConfigPacketsTransmitted [Peer Config Packets Transmitted] (tmnxMcLagStatsPktsTxPeerConfig)	long	The value of tmnxMcLagStatsPktsTxPeerConfig indicates how many MC-Lag control packets were transmitted from this system of type peer config.
statePacketsReceived [State Packets Received] (tmnxMcLagStatsPktsRxState)	long	The value of tmnxMcLagStatsPktsRxState indicates how many valid MC-Lag control packets indicating the lag state were received on this system.
statePacketsTransmitted [State Packets Transmitted] (tmnxMcLagStatsPktsTxState)	long	The value of tmnxMcLagStatsPktsTxState indicates how many MC-Lag control packets were transmitted from this system of type lag state.
tooShortPacketsDropped [Too Short Packets Dropped] (tmnxMcLagStatsDropPktTooShort)	long	The value of tmnxMcLagStatsDropPktTooShort indicates how many MC-Lag control packets were dropped on this system because the packet was too small.
unknownPeerPacketsDropped [Unknown Peer Packets Dropped] (tmnxMcLagStatsDropUnknownPeer)	long	The value of tmnxMcLagStatsDropUnknownPeer indicates how many MC-Lag control packets were dropped on this system because they are coming from an unknown peer.
unknownTlvPacketsDropped [Unknown Tlv Packets Dropped] (tmnxMcLagStatsDropUnknownTlv)	long	The value of tmnxMcLagStatsDropUnknownTlv indicates how many MC-Lag control packets were dropped on this system because they contained an unknown TLV.

Table 837 lag statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
verifyFailedPacketsDropped [Verify Failed Packets Dropped] (tmnxMcLagStatsDropPktVerifyFaild)	long	The value of tmnxMcLagStatsDropPktVerifyFaild indicates how many MC-Lag control packets were dropped on this system because of invalid formatting.

Table 838 Ldp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Idp.Interface</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.
<p>LdpEgressStats</p> <p>MIB entry name: vRtrLdpEgrStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrLdpEgrStatisticsTable): The vRtrLdpEgrStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: Idp.AccountingFecPrefix</p>		

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfileOctetsFc0 [Ldp In Profile Octets Fc 0] (vRtrLdpInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
ldpInProfileOctetsFc1 [Ldp In Profile Octets Fc 1] (vRtrLdpInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
ldpInProfileOctetsFc2 [Ldp In Profile Octets Fc 2] (vRtrLdpInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
ldpInProfileOctetsFc3 [Ldp In Profile Octets Fc 3] (vRtrLdpInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
ldpInProfileOctetsFc4 [Ldp In Profile Octets Fc 4] (vRtrLdpInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
ldpInProfileOctetsFc5 [Ldp In Profile Octets Fc 5] (vRtrLdpInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
ldpInProfileOctetsFc6 [Ldp In Profile Octets Fc 6] (vRtrLdpInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
ldpInProfileOctetsFc7 [Ldp In Profile Octets Fc 7] (vRtrLdpInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrLdpInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpInProfilePktsFc0 [Ldp In Profile Pkts Fc 0] (vRtrLdpInProfilePktsFc0)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
ldpInProfilePktsFc1 [Ldp In Profile Pkts Fc 1] (vRtrLdpInProfilePktsFc1)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
ldpInProfilePktsFc2 [Ldp In Profile Pkts Fc 2] (vRtrLdpInProfilePktsFc2)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
ldpInProfilePktsFc3 [Ldp In Profile Pkts Fc 3] (vRtrLdpInProfilePktsFc3)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
ldpInProfilePktsFc4 [Ldp In Profile Pkts Fc 4] (vRtrLdpInProfilePktsFc4)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
ldpInProfilePktsFc5 [Ldp In Profile Pkts Fc 5] (vRtrLdpInProfilePktsFc5)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
ldpInProfilePktsFc6 [Ldp In Profile Pkts Fc 6] (vRtrLdpInProfilePktsFc6)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
ldpInProfilePktsFc7 [Ldp In Profile Pkts Fc 7] (vRtrLdpInProfilePktsFc7)	java. math. BigInteger	The value of vRtrLdpInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfOctetsFc0 [Ldp Out Of Prof Octets Fc 0] (vRtrLdpOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
ldpOutOfProfOctetsFc1 [Ldp Out Of Prof Octets Fc 1] (vRtrLdpOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
ldpOutOfProfOctetsFc2 [Ldp Out Of Prof Octets Fc 2] (vRtrLdpOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
ldpOutOfProfOctetsFc3 [Ldp Out Of Prof Octets Fc 3] (vRtrLdpOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
ldpOutOfProfOctetsFc4 [Ldp Out Of Prof Octets Fc 4] (vRtrLdpOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
ldpOutOfProfOctetsFc5 [Ldp Out Of Prof Octets Fc 5] (vRtrLdpOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
ldpOutOfProfOctetsFc6 [Ldp Out Of Prof Octets Fc 6] (vRtrLdpOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
ldpOutOfProfOctetsFc7 [Ldp Out Of Prof Octets Fc 7] (vRtrLdpOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ldpOutOfProfPktsFc0 [Ldp Out Of Prof Pkts Fc 0] (vRtrLdpOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
ldpOutOfProfPktsFc1 [Ldp Out Of Prof Pkts Fc 1] (vRtrLdpOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
ldpOutOfProfPktsFc2 [Ldp Out Of Prof Pkts Fc 2] (vRtrLdpOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
ldpOutOfProfPktsFc3 [Ldp Out Of Prof Pkts Fc 3] (vRtrLdpOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
ldpOutOfProfPktsFc4 [Ldp Out Of Prof Pkts Fc 4] (vRtrLdpOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
ldpOutOfProfPktsFc5 [Ldp Out Of Prof Pkts Fc 5] (vRtrLdpOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
ldpOutOfProfPktsFc6 [Ldp Out Of Prof Pkts Fc 6] (vRtrLdpOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
ldpOutOfProfPktsFc7 [Ldp Out Of Prof Pkts Fc 7] (vRtrLdpOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrLdpOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SessionStats</p> <p>MIB entry name: vRtrLdpSessionStatsEntry</p> <p>Entry description: A row in this table represents statistical information about a single session between an LDP entity and an LDP Peer.</p> <p>Table description (for vRtrLdpSessionStatsTable): vRtrLdpSessionStatsTable is a read-only table. The purpose of this table is to keep statistical information about a single session between an LDP entity and an LDP Peer. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpSessionTable, and the augmenting table, vRtrLdpSessionStatsTable. This in effect extends the vRtrLdpSessionTable with additional columns. Creation or deletion of a row in the vRtrLdpSessionTable results in the same fate for the row in the vRtrLdpSessionStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: Ldp.Session</p>		
addressMessagesReceived [Address Messages Received] (vRtrLdpSessStatsAddrIn)	long	The value of vRtrLdpSessStatsAddrIn counts the number of Address Messages that have been received during this session.
addressMessagesSent [Address Messages Sent] (vRtrLdpSessStatsAddrOut)	long	The value of vRtrLdpSessStatsAddrOut counts the number of Address Messages that have been sent during this session.
addressWithdrawMessagesReceived [Address Withdraw Messages Received] (vRtrLdpSessStatsAddrWithdrawIn)	long	The value of vRtrLdpSessStatsAddrWithdrawIn counts the number of Address Withdraw Messages that have been received during this session.
addressWithdrawMessagesSent [Address Withdraw Messages Sent] (vRtrLdpSessStatsAddrWithdrawOut)	long	The value of vRtrLdpSessStatsAddrWithdrawOut counts the number of Address Withdraw Messages that have been sent during this session.
fecReceived [Fec Received] (vRtrLdpSessStatsFECRecv)	long	The value of vRtrLdpSessStatsFECRecv counts the number of FECs received for this session.

Table 838 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fecSent [Fec Sent] (vRtrLdpSessStatsFECSent)	long	The value of vRtrLdpSessStatsFECSent counts the number of FECs sent for this session.
helloMessagesReceived [Hello Messages Received] (vRtrLdpSessStatsHelloIn)	long	The value of vRtrLdpSessStatsHelloIn counts the number of Hello Messages that have been received during this session.
helloMessagesSent [Hello Messages Sent] (vRtrLdpSessStatsHelloOut)	long	The value of vRtrLdpSessStatsHelloOut counts the number of Hello Messages that have been sent during this session.
initMessagesReceived [Init Messages Received] (vRtrLdpSessStatsInitIn)	long	The value of vRtrLdpSessStatsInitIn counts the number of Init Messages that have been received during this session.
initMessagesSent [Init Messages Sent] (vRtrLdpSessStatsInitOut)	long	The value of vRtrLdpSessStatsInitOut counts the number of Init Messages that have been sent during this session.
keepAliveMessagesReceived [Keep Alive Messages Received] (vRtrLdpSessStatsKeepaliveIn)	long	The value of vRtrLdpSessStatsKeepaliveIn counts the number of Keepalive Messages that have been received during this session.
keepAliveMessagesSent [Keep Alive Messages Sent] (vRtrLdpSessStatsKeepaliveOut)	long	The value of vRtrLdpSessStatsKeepaliveOut counts the number of Keepalive Messages that have been sent during this session.
labelAbortsReceived [Label Aborts Received] (vRtrLdpSessStatsLabelAbortIn)	long	The value of vRtrLdpSessStatsLabelAbortIn counts the number of Label Abort Messages that have been received during this session.
labelAbortsSent [Label Aborts Sent] (vRtrLdpSessStatsLabelAbortOut)	long	The value of vRtrLdpSessStatsLabelAbortOut counts the number of Label Abort Messages that have been sent during this session.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
labelMappingsReceived [Label Mappings Received] (vRtrLdpSessStatsLabelMappingIn)	long	The value of vRtrLdpSessStatsLabelMappingIn counts the number of Label Mapping Messages that have been received during this session.
labelMappingsSent [Label Mappings Sent] (vRtrLdpSessStatsLabelMappingOut)	long	The value of vRtrLdpSessStatsLabelMappingOut counts the number of Label Mapping Messages that have been sent during this session.
labelReleasesReceived [Label Releases Received] (vRtrLdpSessStatsLabelReleaseIn)	long	The value of vRtrLdpSessStatsLabelReleaseIn counts the number of Label Release Messages that have been received during this session.
labelReleasesSent [Label Releases Sent] (vRtrLdpSessStatsLabelReleaseOut)	long	The value of vRtrLdpSessStatsLabelReleaseOut counts the number of Label Release Messages that have been sent during this session.
labelRequestsReceived [Label Requests Received] (vRtrLdpSessStatsLabelRequestIn)	long	The value of vRtrLdpSessStatsLabelRequestIn counts the number of Label Request Messages that have been received during this session.
labelRequestsSent [Label Requests Sent] (vRtrLdpSessStatsLabelRequestOut)	long	The value of vRtrLdpSessStatsLabelRequestOut counts the number of Label Request Messages that have been sent during this session.
labelWithdrawsReceived [Label Withdraws Received] (vRtrLdpSessStatsLabelWithdrawIn)	long	The value of vRtrLdpSessStatsLabelWithdrawIn counts the number of Label Withdraw Messages that have been received during this session.
labelWithdrawsSent [Label Withdraws Sent] (vRtrLdpSessStatsLabelWithdrawOut)	long	The value of vRtrLdpSessStatsLabelWithdrawOut counts the number of Label Withdraw Messages that have been sent during this session.
linkAdjacencies [Link Adjacencies] (vRtrLdpSessStatsLinkAdj)	long	The value of vRtrLdpSessStatsLinkAdj specifies the number of link adjacencies for this session.

Table 838 ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
notificationMessagesReceived [Notification Messages Received] (vRtrLdpSessStatsNotificationIn)	long	The value of vRtrLdpSessStatsNotificationIn counts the number of Notification Messages that have been received during this session.
notificationMessagesSent [Notification Messages Sent] (vRtrLdpSessStatsNotificationOut)	long	The value of vRtrLdpSessStatsNotificationOut counts the number of Notification Messages that have been sent during this session.
targetedAdjacencies [Targeted Adjacencies] (vRtrLdpSessStatsTargAdj)	long	The value of vRtrLdpSessStatsTargAdj specifies the number of targeted adjacencies for this session.
<p>SiteStats</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
activeAdjacencies [Active Adjacencies] (vRtrLdpStatsActiveAdjacencies)	long	The value of vRtrLdpStatsActiveAdjacencies specifies the number of active adjacencies (i.e. established sessions) associated with the LDP instance.
activeInterfaces [Active Interfaces] (vRtrLdpStatsActiveInterfaces)	long	The value of vRtrLdpStatsActiveInterfaces specifies the number of active (i.e. operationally up) interfaces associated with the LDP instance.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeSessions [Active Sessions] (vRtrLdpStatsActiveSessions)	long	The value of vRtrLdpStatsActiveSessions specifies the number of active sessions (i.e. session in some form of creation) associated with the LDP instance.
activeTargetedSessions [Active Targeted Sessions] (vRtrLdpStatsActiveTargSessions)	long	The value of vRtrLdpStatsActiveTargSessions specifies the number of configured targeted peers that are administratively up in an LDP instance.
addressFECsReceived [Address FECs Received] (vRtrLdpStatsAddrFECRecv)	long	The value of vRtrLdpStatsAddrFECRecv specifies the number of Address FECs received by the LDP instance from its neighbors.
addressFECsSent [Address FECs Sent] (vRtrLdpStatsAddrFECSent)	long	The value of vRtrLdpStatsAddrFECSent specifies the number of Address FECs sent by the LDP instance to its neighbors.
attemptedSessions [Attempted Sessions] (vRtrLdpStatsAttemptedSessions)	long	The value of vRtrLdpStatsAttemptedSessions specifies the total number of attempted sessions for this LDP instance.
badLdpIdentifierErrors [Bad Ldp Identifier Errors] (vRtrLdpStatsBadLdpIdentifierErrors)	long	The value of vRtrLdpStatsBadLdpIdentifierErrors gives the number of Bad LDP Identifier Fatal Errors detected for sessions associated with this LDP instance.
badMessageLengthErrors [Bad Message Length Errors] (vRtrLdpStatsBadMessageLengthErrors)	long	The value of vRtrLdpStatsBadMessageLengthErrors gives the number of Bad Message Length Fatal Errors detected for sessions associated with this LDP instance.
badPduLengthErrors [Bad Pdu Length Errors] (vRtrLdpStatsBadPduLengthErrors)	long	The value of vRtrLdpStatsBadPduLengthErrors gives the number of Bad Pdu Length Fatal Errors detected for sessions associated with this LDP instance.
badTlvLengthErrors [Bad Tlv Length Errors] (vRtrLdpStatsBadTlvLengthErrors)	long	The value of vRtrLdpStatsBadTlvLengthErrors gives the number of Bad TLV Length Fatal Errors detected for sessions associated with this LDP instance.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egrFecPfxCount [Egr Fec Pfx Count] (vRtrLdpStatsEgrFecPfxCount)	long	The value of vRtrLdpStatsEgrFecPfxCount indicates the number of egress FEC prefix statistics configured for this LDP instance.
inactiveInterfaces [Inactive Interfaces] (vRtrLdpStatsInactiveInterfaces)	long	The value of vRtrLdpStatsInactiveInterfaces specifies the number of inactive (i.e. operationally down) interfaces associated with the LDP instance.
inactiveTargetedSessions [Inactive Targeted Sessions] (vRtrLdpStatsInactiveTargSessions)	long	The value of vRtrLdpStatsInactiveTargSessions specifies the number of inactive (i.e. operationally down) targeted sessions associated with the LDP instance.
keepAliveExpiredErrors [Keep Alive Expired Errors] (vRtrLdpStatsKeepAliveExpiredErrors)	long	The value of vRtrLdpStatsKeepAliveExpiredErrors gives the number of Session Keep Alive Timer Expired Errors detected for sessions associated with this LDP instance.
malformedTlvValueErrors [Malformed Tlv Value Errors] (vRtrLdpStatsMalformedTlvValueErrors)	long	The value of vRtrLdpStatsMalformedTlvValueErrors gives the number of Malformed TLV Value Fatal Errors detected for sessions associated with this LDP instance.
operDownEvents [Oper Down Events] (vRtrLdpStatsOperDownEvents)	long	The value of vRtrLdpStatsOperDownEvents specifies the number of times the LDP instance has gone operationally down since the instance was created.
serviceFECsReceived [Service FECs Received] (vRtrLdpStatsSvcFECRecv)	long	The value of vRtrLdpStatsSvcFECRecv specifies the number of Service FECs received by the LDP instance from its neighbors.
serviceFECsSent [Service FECs Sent] (vRtrLdpStatsSvcFECSent)	long	The value of vRtrLdpStatsSvcFECSent specifies the number of Service FECs sent by the LDP instance to its neighbors.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sessionRejectedAdvertisementModeErrors [Session Rejected Advertisement Mode Errors] (vRtrLdpStatsSessRejAdvErrors)	long	The value of vRtrLdpStatsSessRejAdvErrors gives the total number of Session Rejected/Parameters Advertisement Mode Error Notification Messages sent or received by this LDP instance.
sessionRejectedLabelRangeErrors [Session Rejected Label Range Errors] (vRtrLdpStatsSessRejLabelRangeErrors)	long	The value of vRtrLdpStatsSessRejLabelRangeErrors gives the total number of Session Rejected/Parameters Label Range Error Notification Messages sent or received by this LDP instance.
sessionRejectedMaxPduLengthErrors [Session Rejected Max Pdu Length Errors] (vRtrLdpStatsSessRejMaxPduErrors)	long	The value of vRtrLdpStatsSessRejMaxPduErrors gives the total number of Session Rejected/Parameters Max Pdu Length Error Notification Messages sent or received by this LDP instance.
sessionRejectedNoHelloErrors [Session Rejected No Hello Errors] (vRtrLdpStatsSessRejNoHelloErrors)	long	The value of vRtrLdpStatsSessRejNoHelloErrors gives the total number of Session Rejected/No Hello Error Notification Messages sent or received by this LDP instance.
shutdownNotificationsReceived [Shutdown Notifications Received] (vRtrLdpStatsShutdownNotifRecv)	long	The value of vRtrLdpStatsShutdownNotifRecv gives the number of Shutdown Notifications received related to sessions associated with this LDP instance.
shutdownNotificationsSent [Shutdown Notifications Sent] (vRtrLdpStatsShutdownNotifSent)	long	The value of vRtrLdpStatsShutdownNotifSent gives the number of Shutdown Notifications sent related to sessions associated with this LDP instance.
unknownTlvErrors [Unknown Tlv Errors] (vRtrLdpStatsUnknownTlvErrors)	long	The value of vRtrLdpStatsUnknownTlvErrors indicates the number of Unknown TLV Fatal Errors detected for sessions associated with this LDP instance.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SiteStatsExtension</p> <p>MIB entry name: vRtrLdpStatsEntry</p> <p>Entry description: A row in this table represents statistical information about an LDP instance.</p> <p>Table description (for vRtrLdpStatsTable): vRtrLdpStatsTable is a read-only table. The purpose of this table is to keep statistical information about an LDP Instance. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpGeneralTable, and the augmenting table, vRtrLdpStatsTable. This in effect extends the vRtrLdpGeneralTable with additional columns. Creation or deletion of a row in the vRtrLdpGeneralTable results in the same fate for the row in the vRtrLdpStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.Site</p>		
p2mpFecReceived [P2 mp Fec Received] (vRtrLdpStatsP2MPFECRecv)	long	The value of vRtrLdpStatsP2MPFECRecv specifies the number of P2MP FECs received by the LDP instance from its neighbors.
p2mpFecSent [P2 mp Fec Sent] (vRtrLdpStatsP2MPFECSent)	long	The value of vRtrLdpStatsP2MPFECSent specifies the number of P2MP FECs sent by the LDP instance to its neighbors.

Table 838 Ldp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>TargetedPeerStats</p> <p>MIB entry name: vRtrLdpIfStatsEntry</p> <p>Entry description: A row in this table contains statistical information about an LDP Interface or Targeted peer. Some counters contained in a row are for fatal errors received during a former LDP Session associated with this entry. For example, an LDP Pdu received on a TCP connection during an LDP Session contains a fatal error. That error is counted here, because the session is terminated. If the error is NOT fatal (i.e. and the Session remains), then the error is counted in the vRtrLdpSessionStatsEntry.</p> <p>Table description (for vRtrLdpIfStatsTable): vRtrLdpIfStatsTable is a read-only table. The purpose of this table is to keep statistical information about the LDP Interfaces and Targeted peers on the LSR. Use of AUGMENTS clause implies a one-to-one dependent relationship between the base table, vRtrLdpIfTable, and the augmenting table, vRtrLdpIfStatsTable. This in effect extends the vRtrLdpIfTable with additional columns. Creation or deletion of a row in the vRtrLdpIfTable results in the same fate for the row in the vRtrLdpIfStatsTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ldp.TargetedPeer</p>		
existingAdjacencies [Existing Adjacencies] (vRtrLdpIfExistingAdjacencies)	long	The value of vRtrLdpIfExistingAdjacencies gives a count of the total active adjacencies on this LDP interface or with this targeted peer.

Table 839 Ildp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
LLDPRemoteSystemStats MIB entry name: IldpStatistics Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration		
remTablesAgeouts [Rem Tables Ageouts] (IldpStatsRemTablesAgeouts)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.
remTablesDeletes [Rem Tables Deletes] (IldpStatsRemTablesDeletes)	long	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects. This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
remTablesDrops [Rem Tables Drops] (IldpStatsRemTablesDrops)	long	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in IldpRemoteSystemsData and IldpExtensions objects because of insufficient resources.

Table 839 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
remTablesInserts [Rem Tables Inserts] (IldpStatsRemTablesInserts)	long	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in IldpRemoteSystemsData and IldpExtensions objects. The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed. This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in IldpStatsRemTablesInserts since the insert is not completed yet or or in IldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the IldpStatsRemTablesDrops counter should be incremented once.
<p>LLDPRxPortStats</p> <p>MIB entry name: tmnxLldpStatsRxPortEntry</p> <p>Entry description: LLDP frame reception statistics for a particular port. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsRxPortTable): A table containing LLDP reception statistics for individual ports and destination MAC addresses. Entries are not required to exist in this table while the tmnxLldpPortCfgAdminStatus object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		

Table 839 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortAgeouts [Lldp Stats Rx Port Ageouts] (tmnxLldpStatsRxPortAgeouts)	long	The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in tmnxLldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired. This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the tmnxLldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only. This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'rxOnly', 'txOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port. This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial ageing is not allowed, and thus, should not change the value of this counter.
IldpStatsRxPortFrameDiscard [Lldp Stats Rx Port Frame Discard] (tmnxLldpStatsRxPortFrameDiscard)	long	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.
IldpStatsRxPortFrameErrs [Lldp Stats Rx Port Frame Errs] (tmnxLldpStatsRxPortFrameErrs)	long	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.
IldpStatsRxPortFrames [Lldp Stats Rx Port Frames] (tmnxLldpStatsRxPortFrames)	long	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

Table 839 Ildp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
IldpStatsRxPortTLVDiscard [Lldp Stats Rx Port TLVDiscard] (tmnxLldpStatsRxPortTLVDiscard)	long	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.
IldpStatsRxPortTLVUnknown [Lldp Stats Rx Port TLVUnknown] (tmnxLldpStatsRxPortTLVUnknown)	long	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port. An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2004. An unrecognized TLV may be a basic management TLV from a later LLDP version.
<p>LLDPTxPortStats MIB entry name: tmnxLldpStatsTxPortEntry</p> <p>Entry description: LLDP frame transmission statistics for a particular port and destination MAC address. The port must be contained in the same chassis as the LLDP agent. All counter values in a particular entry shall be maintained on a continuing basis and shall not be deleted upon expiration of rx Info TTL timing counters in the LLDP remote systems MIB of the receipt of a shutdown frame from a remote LLDP agent. All statistical counters associated with a particular port on the local LLDP agent become frozen whenever the admin status is disabled for the same port. Rows in this table can only be created for MAC addresses that can validly be used in association with the type of interface concerned, as defined by table 8-2. The contents of this table is persistent across re-initializations or re-boots.</p> <p>Table description (for tmnxLldpStatsTxPortTable): A table containing LLDP transmission statistics for individual port/destination address combinations. Entries are not required to exist in this table while the tmnxLldpPortConfigEntry object is equal to 'disabled(4)'. Supports realtime plotting Supports scheduled collection Monitored class: Ildp.LLDPConfiguration</p>		
IldpStatsTxLLDPDULengthErrs [Lldp Stats Tx LLDPDULength Errs] (tmnxLldpStatsTxLLDPDULengthErrs)	long	The number of LLDPD Length Errors recorded for the Port.
IldpStatsTxPortFrames [Lldp Stats Tx Port Frames] (tmnxLldpStatsTxPortFrames)	long	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

Table 840 mld statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
InterfaceStats MIB entry name: vRtrMldIfStatsEntry Entry description: An entry in the vRtrMldIfStatsTable. Table description (for vRtrMldIfStatsTable): The vRtrMldIfStatsTable contains objects corresponding to the MLD statistics for a particular interface. Supports realtime plotting Supports scheduled collection Monitored class: mld.Interface		
importPolicyDrops [Import Policy Drops] (vRtrMldIfImportPolicyDrops)	long	The value of vRtrMldIfImportPolicyDrops indicates the total number of times the MLD protocol instance matched the host IP address or group or source addresses specified in the import policy vRtrMldIfImportPolicy.
rxBadChecksumPkts [Rx Bad Checksum Pkts] (vRtrMldIfRxBadChecksumPkts)	long	The value of vRtrMldIfRxBadChecksumPkts indicates the total number of MLD packets with bad checksum received on this interface.
rxBadEncodings [Rx Bad Encodings] (vRtrMldIfRxBadEncodings)	long	The value of vRtrMldIfRxBadEncodings indicates the total number of MLD packets received on this interface which were not encoded correctly.
rxBadLenPkts [Rx Bad Len Pkts] (vRtrMldIfRxBadLenPkts)	long	The value of vRtrMldIfRxBadLenPkts indicates the total number of MLD packets with bad length received on this interface.
rxBadReceiveIfPkts [Rx Bad Receive If Pkts] (vRtrMldIfRxBadReceiveIfPkts)	long	The value of vRtrMldIfRxBadReceiveIfPkts indicates the total number of MLD packets incorrectly received on this interface.
rxGenQueries [Rx Gen Queries] (vRtrMldIfRxGenQueries)	long	The value of vRtrMldIfRxGenQueries indicates the total number of MLD General Queries received on this interface.

Table 840 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxGrpQueries [Rx Grp Queries] (vRtrMldIfRxGrpQueries)	long	The value of vRtrMldIfRxGrpQueries indicates the number of MLD Group Specific Queries received on this interface.
rxGrpSrcQueries [Rx Grp Src Queries] (vRtrMldIfRxGrpSrcQueries)	long	The value of vRtrMldIfRxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries received on this interface.
rxLeaves [Rx Leaves] (vRtrMldIfRxLeaves)	long	The value of vRtrMldIfRxLeaves indicates the total number of MLD V2 Leaves received on this interface.
rxLocalScopePkts [Rx Local Scope Pkts] (vRtrMldIfRxLocalScopePkts)	long	The value of the object vRtrMldIfRxLocalScopePkts indicates the number of MLD packets received on the link-local scope IPv6 multicast address.
rxNoRtrAlertPkts [Rx No Rtr Alert Pkts] (vRtrMldIfRxNoRtrAlertPkts)	long	The value of vRtrMldIfRxNoRtrAlertPkts indicates the total number of MLDv3 packets received on this interface which did not have the router alert flag set.
rxNonLocal [Rx Non Local] (vRtrMldIfRxNonLocal)	long	The value of vRtrMldIfRxNonLocal indicates the total number of MLD packets received from a non-local sender.
rxPktDrops [Rx Pkt Drops] (vRtrMldIfRxPktDrops)	long	The value of vRtrMldIfRxPktDrops indicates the total number of MLD packets that were received on this interface but were dropped.
rxRsvdScopePkts [Rx Rsvd Scope Pkts] (vRtrMldIfRxRsvdScopePkts)	long	The value of the object vRtrMldIfRxRsvdScopePkts indicates the number of MLD packets received on the reserved scope IPv6 multicast address.
rxUnknownTypePkts [Rx Unknown Type Pkts] (vRtrMldIfRxUnknownTypePkts)	long	The value of vRtrMldIfRxUnknownTypePkts indicates the total number of MLD packets with unknown type received on this interface.

Table 840 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxV1Reports [Rx V1 Reports] (vRtrMldIfRxV1Reports)	long	The value of vRtrMldIfRxV1Reports indicates the total number of MLD V1 Reports received on this interface.
rxV2Reports [Rx V2 Reports] (vRtrMldIfRxV2Reports)	long	The value of vRtrMldIfRxV2Reports indicates the total number of MLD V2 Reports received on this interface.
rxWrongVersions [Rx Wrong Versions] (vRtrMldIfRxWrongVersions)	long	The value of vRtrMldIfRxWrongVersions indicates the total number of MLD packets with wrong versions received on this interface.
statsSGTypes [Stats SGTypes] (vRtrMldIfStatsSGTypes)	long	The value of vRtrMldIfStatsSGTypes indicates the number of entries on this interface for which the source type is 'sg'.
statsStarGTypes [Stats Star GTypes] (vRtrMldIfStatsStarGTypes)	long	vRtrMldIfStatsStarGTypes indicates the number of entries on this interface for which the source type is 'starG'.
txErrors [Tx Errors] (vRtrMldIfTxErrors)	long	The value of vRtrMldIfTxErrors indicates the total number of times there was an error transmitting the MLD packets on this interface.
txGenQueries [Tx Gen Queries] (vRtrMldIfTxGenQueries)	long	The value of vRtrMldIfTxGenQueries indicates the number of MLD General Queries transmitted on this interface.
txGrpQueries [Tx Grp Queries] (vRtrMldIfTxGrpQueries)	long	The value of vRtrMldIfTxGrpQueries indicates the number of MLD Group Specific Queries transmitted on this interface.
txGrpSrcQueries [Tx Grp Src Queries] (vRtrMldIfTxGrpSrcQueries)	long	The value of vRtrMldIfTxGrpSrcQueries indicates the number of MLD Group and Source Specific Queries transmitted on this interface.

Table 840 mld statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txLeaves [Tx Leaves] (vRtrMldIfTxLeaves)	long	The value of vRtrMldIfTxLeaves indicates the total number of MLD Leaves transmitted on this interface.
txV1Reports [Tx V1 Reports] (vRtrMldIfTxV1Reports)	long	The value of vRtrMldIfTxV1Reports indicates the total number of MLD V1 Reports transmitted on this interface.
txV2Reports [Tx V2 Reports] (vRtrMldIfTxV2Reports)	long	The value of vRtrMldIfTxV2Reports indicates the total number of MLD V2 Reports transmitted on this interface.

Table 841 mpls statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>DynamicLspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp 		
configuredPaths [Configured Paths] (vRtrMplsLspConfiguredPaths)	long	The number of paths configured for this LSP.
operationalPaths [Operational Paths] (vRtrMplsLspOperationalPaths)	long	The number of operational paths for this LSP. This includes the path currently active, as well as operational standby paths.
pathChanges [Path Changes] (vRtrMplsLspPathChanges)	long	The number of path changes this LSP has had. For every path change (path down, path up, path change), a corresponding syslog/trap (if enabled) is generated for it.
standbyPaths [Standby Paths] (vRtrMplsLspStandbyPaths)	long	The number of standby paths configured for this LSP.
timeSinceLastPathChange [Time Since Last Path Change] (vRtrMplsLspLastPathChange)	long	The time in 10-millisecond units since the last change occurred on this LSP.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
timeSinceLastPrimaryUpState [Time Since Last Primary Up State] (vRtrMplsLspPrimaryTimeUp)	long	The total time in 10-millisecond units that this LSP's primary path has been operational. For example, the percentage contribution of the primary path to the operational time is given by (vRtrMplsLspPrimaryTimeUp/vRtrMplsLspTimeUp * 100) %.
<p>LspPathStats</p> <p>MIB entry name: vRtrMplsLspPathStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspPathStatTable): The vRtrMplsLspPathStatTable has an entry for an association between a Labeled Switch Path (LSP) in the vRtrMplsLspTable and a path (or tunnel) entry in the mplsTunnelTable.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.LspPath</p>		
cspfQueries [Cspf Queries] (vRtrMplsLspPathCspfQueries)	long	The value of vRtrMplsLspPathCspfQueries specifies the number of CSPF queries that have been made for this LSP path.
retryAttempts [Retry Attempts] (vRtrMplsLspPathRetryAttempts)	long	The number of unsuccessful attempts which have been made to signal this path. As soon as the path gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsLspPathTimeDown)	long	The total time in 10-millisecond units that this LSP Path has not been operational.
timeUp [Time Up] (vRtrMplsLspPathTimeUp)	long	The total time in 10-millisecond units that this LSP path has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspPathTimeUp/vRtrMplsLspAge * 100 %).

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitionCount [Transition Count] (vRtrMplsLspPathTransitionCount)	long	The object vRtrMplsLspPathTransitionCount maintains the number of transitions that have occurred for this LSP.
<p>LspStats</p> <p>MIB entry name: vRtrMplsLspStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatTable): The vRtrMplsLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.BypassOnlyLsp • mpls.DynamicLsp • mpls.SegmentRoutingTeLsp • mpls.StaticLsp 		
age [Age] (vRtrMplsLspAge)	long	The age (i.e., time from creation till now) of this LSP in 10-millisecond periods.
timeSinceLastDownState [Time Since Last Down State] (vRtrMplsLspTimeDown)	long	The total time in 10-millisecond units that this LSP has not been operational.
timeSinceLastTransition [Time Since Last Transition] (vRtrMplsLspLastTransition)	long	The time in 10-millisecond units since the last transition occurred on this LSP.
timeSinceLastUpState [Time Since Last Up State] (vRtrMplsLspTimeUp)	long	The total time in 10-millisecond units that this LSP has been operational. For example, the percentage up time can be determined by computing (vRtrMplsLspTimeUp/ vRtrMplsLspAge * 100 %).

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transitions [Transitions] (vRtrMplsLspTransitions)	long	The number of state transitions (up -> down and down -> up) this LSP has undergone.
<p>MplsInterfaceStats MIB entry name: vRtrMplsIfStatEntry Entry description: Each row entry represents a collection of statistics for an interface on this virtual router that participates in the MPLS protocol. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsIfStatTable): The vRtrMplsIfStatTable has an entry for each router interface configured for MPLS in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.Interface</p>		
receiveOctets [Receive Octets] (vRtrMplsIfRxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets received on this interface.
receivePackets [Receive Packets] (vRtrMplsIfRxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets received on this interface.
transmitOctets [Transmit Octets] (vRtrMplsIfTxOctetCount)	java. math. BigInteger	The total number of bytes in MPLS labeled packets transmitted on this interface.
transmitPackets [Transmit Packets] (vRtrMplsIfTxPktCount)	java. math. BigInteger	The total number of MPLS labeled packets transmitted from this interface.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MplsLspEgressStats</p> <p>MIB entry name: vRtrMplsLspStatisticsEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.
<p>MplsLspIngressStats MIB entry name: vRtrMplsLspStatisticsEntry Entry description: Each row entry represents a collection of statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsLspStatisticsTable): The vRtrMplsLspStatisticsTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.IngStatsPolicy</p>		
mplsInProfileOctetsFc0 [Mpls In Profile Octets Fc 0] (vRtrMplsInProfileOctetsFc0)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc0 indicates the number of in profile octets received for Forwarding Class 0.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfileOctetsFc1 [Mpls In Profile Octets Fc 1] (vRtrMplsInProfileOctetsFc1)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc1 indicates the number of in profile octets received for Forwarding Class 1.
mplsInProfileOctetsFc2 [Mpls In Profile Octets Fc 2] (vRtrMplsInProfileOctetsFc2)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc2 indicates the number of in profile octets received for Forwarding Class 2.
mplsInProfileOctetsFc3 [Mpls In Profile Octets Fc 3] (vRtrMplsInProfileOctetsFc3)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc3 indicates the number of in profile octets received for Forwarding Class 3.
mplsInProfileOctetsFc4 [Mpls In Profile Octets Fc 4] (vRtrMplsInProfileOctetsFc4)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc4 indicates the number of in profile octets received for Forwarding Class 4.
mplsInProfileOctetsFc5 [Mpls In Profile Octets Fc 5] (vRtrMplsInProfileOctetsFc5)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc5 indicates the number of in profile octets received for Forwarding Class 5.
mplsInProfileOctetsFc6 [Mpls In Profile Octets Fc 6] (vRtrMplsInProfileOctetsFc6)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc6 indicates the number of in profile octets received for Forwarding Class 6.
mplsInProfileOctetsFc7 [Mpls In Profile Octets Fc 7] (vRtrMplsInProfileOctetsFc7)	java. math. BigInteger	The value of vRtrMplsInProfileOctetsFc7 indicates the number of in profile octets received for Forwarding Class 7.
mplsInProfilePktsFc0 [Mpls In Profile Pkts Fc 0] (vRtrMplsInProfilePktsFc0)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc0 indicates the number of in profile packets received for Forwarding Class 0.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsInProfilePktsFc1 [Mpls In Profile Pkts Fc 1] (vRtrMplsInProfilePktsFc1)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc1 indicates the number of in profile packets received for Forwarding Class 1.
mplsInProfilePktsFc2 [Mpls In Profile Pkts Fc 2] (vRtrMplsInProfilePktsFc2)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc2 indicates the number of in profile packets received for Forwarding Class 2.
mplsInProfilePktsFc3 [Mpls In Profile Pkts Fc 3] (vRtrMplsInProfilePktsFc3)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc3 indicates the number of in profile packets received for Forwarding Class 3.
mplsInProfilePktsFc4 [Mpls In Profile Pkts Fc 4] (vRtrMplsInProfilePktsFc4)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc4 indicates the number of in profile packets received for Forwarding Class 4.
mplsInProfilePktsFc5 [Mpls In Profile Pkts Fc 5] (vRtrMplsInProfilePktsFc5)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc5 indicates the number of in profile packets received for Forwarding Class 5.
mplsInProfilePktsFc6 [Mpls In Profile Pkts Fc 6] (vRtrMplsInProfilePktsFc6)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc6 indicates the number of in profile packets received for Forwarding Class 6.
mplsInProfilePktsFc7 [Mpls In Profile Pkts Fc 7] (vRtrMplsInProfilePktsFc7)	java. math. BigInteger	The value of vRtrMplsInProfilePktsFc7 indicates the number of in profile packets received for Forwarding Class 7.
mplsOutOfProfOctetsFc0 [Mpls Out Of Prof Octets Fc 0] (vRtrMplsOutOfProfOctetsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc0 indicates the number of out of profile octets received for Forwarding Class 0.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfOctetsFc1 [Mpls Out Of Prof Octets Fc 1] (vRtrMplsOutOfProfOctetsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc1 indicates the number of out of profile octets received for Forwarding Class 1.
mplsOutOfProfOctetsFc2 [Mpls Out Of Prof Octets Fc 2] (vRtrMplsOutOfProfOctetsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc2 indicates the number of out of profile octets received for Forwarding Class 2.
mplsOutOfProfOctetsFc3 [Mpls Out Of Prof Octets Fc 3] (vRtrMplsOutOfProfOctetsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc3 indicates the number of out of profile octets received for Forwarding Class 3.
mplsOutOfProfOctetsFc4 [Mpls Out Of Prof Octets Fc 4] (vRtrMplsOutOfProfOctetsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc4 indicates the number of out of profile octets received for Forwarding Class 4.
mplsOutOfProfOctetsFc5 [Mpls Out Of Prof Octets Fc 5] (vRtrMplsOutOfProfOctetsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc5 indicates the number of out of profile octets received for Forwarding Class 5.
mplsOutOfProfOctetsFc6 [Mpls Out Of Prof Octets Fc 6] (vRtrMplsOutOfProfOctetsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc6 indicates the number of out of profile octets received for Forwarding Class 6.
mplsOutOfProfOctetsFc7 [Mpls Out Of Prof Octets Fc 7] (vRtrMplsOutOfProfOctetsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfOctetsFc7 indicates the number of out of profile octets received for Forwarding Class 7.
mplsOutOfProfPktsFc0 [Mpls Out Of Prof Pkts Fc 0] (vRtrMplsOutOfProfPktsFc0)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc0 indicates the number of out of profile packets received for Forwarding Class 0.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
mplsOutOfProfPktsFc1 [Mpls Out Of Prof Pkts Fc 1] (vRtrMplsOutOfProfPktsFc1)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc1 indicates the number of out of profile packets received for Forwarding Class 1.
mplsOutOfProfPktsFc2 [Mpls Out Of Prof Pkts Fc 2] (vRtrMplsOutOfProfPktsFc2)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc2 indicates the number of out of profile packets received for Forwarding Class 2.
mplsOutOfProfPktsFc3 [Mpls Out Of Prof Pkts Fc 3] (vRtrMplsOutOfProfPktsFc3)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc3 indicates the number of out of profile packets received for Forwarding Class 3.
mplsOutOfProfPktsFc4 [Mpls Out Of Prof Pkts Fc 4] (vRtrMplsOutOfProfPktsFc4)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc4 indicates the number of out of profile packets received for Forwarding Class 4.
mplsOutOfProfPktsFc5 [Mpls Out Of Prof Pkts Fc 5] (vRtrMplsOutOfProfPktsFc5)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc5 indicates the number of out of profile packets received for Forwarding Class 5.
mplsOutOfProfPktsFc6 [Mpls Out Of Prof Pkts Fc 6] (vRtrMplsOutOfProfPktsFc6)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc6 indicates the number of out of profile packets received for Forwarding Class 6.
mplsOutOfProfPktsFc7 [Mpls Out Of Prof Pkts Fc 7] (vRtrMplsOutOfProfPktsFc7)	java. math. BigInteger	The value of vRtrMplsOutOfProfPktsFc7 indicates the number of out of profile packets received for Forwarding Class 7.
psbMatch [Psb Match] (vRtrMplsLspStatsPSBMatch)	boolean	The value of vRtrMplsLspStatsPSBMatch indicates if a path state block (PSB) match was made against this LSP name.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>P2MPInstanceStats</p> <p>MIB entry name: vRtrMplsP2mplInstStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a P2MP Labeled Switch Path (LSP) configured for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsP2mplInstStatTable): The vRtrMplsP2mplInstStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.P2MPInstance</p>		
configuredS2Is [Configured S2 Is] (vRtrMplsP2mplInstStatConfiguredS2Is)	long	The value of vRtrMplsP2mplInstStatConfiguredS2Is indicates the number of S2Is configured for this P2MP LSP.
lastS2IChange [Last S2 I Change] (vRtrMplsP2mplInstStatLastS2IChange)	long	The value of vRtrMplsP2mplInstStatLastS2IChange indicates the time since the last change occurred on this P2MP LSP.
lastS2ITimeDown [Last S2 I Time Down] (vRtrMplsP2mplInstStatLastS2ITimeDown)	long	The value of vRtrMplsP2mplInstStatLastS2ITimeDown indicates the total time that this S2I has not been operational.
lastTrans [Last Trans] (vRtrMplsP2mplInstStatLastTrans)	long	The value of vRtrMplsP2mplInstStatLastTrans indicates the time since the last transition occurred on this P2mp instance.
operationalS2Is [Operational S2 Is] (vRtrMplsP2mplInstStatOperationalS2Is)	long	The value of vRtrMplsP2mplInstStatOperationalS2Is indicates the number of operational S2Is for this P2MP LSP. This includes the S2Is currently active.
s2IChanges [S2 I Changes] (vRtrMplsP2mplInstStatS2IChanges)	long	The value of vRtrMplsP2mplInstStatS2IChanges indicates the number of S2I changes this P2MP LSP has had. For every S2I change (S2I down, S2I up, S2I change), a corresponding syslog/trap (if enabled) is generated for it.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
s2lTimeUp [S2l Time Up] (vRtrMplsP2mplInstStatLastS2lTimeUp)	long	The value of vRtrMplsP2mplInstStatLastS2lTimeUp indicates the total time that this S2l has been operational.
timeDown [Time Down] (vRtrMplsP2mplInstStatTimeDown)	long	The value of vRtrMplsP2mplInstStatTimeDown indicates the total time that this P2MP instance has not been operational.
timeUp [Time Up] (vRtrMplsP2mplInstStatTimeUp)	long	The value of vRtrMplsP2mplInstStatTimeUp indicates the total time that this P2MP instance has been operational.
transitions [Transitions] (vRtrMplsP2mplInstStatTransitions)	long	The The value of vRtrMplsP2mplInstStatTransitions indicates the number of state transitions (up -> down and down -> up) this P2mp instance has undergone.
S2LPathStats MIB entry name: vRtrMplsS2lSubLspStatEntry Entry description: Each row entry represents a collection of statistics for a P2MP Source to Leaf (S2L) Sub Labeled Switch Path (LSP) configured for a i virtual router in the system. Entries cannot be created and deleted via SNMP SET operations. Table description (for vRtrMplsS2lSubLspStatTable): The vRtrMplsS2lSubLspStatTable has an entry for each Labeled Switch Path (LSP) configured for a virtual router in the system. Supports realtime plotting Supports scheduled collection Monitored class: mpls.S2LPath		
cspfQueries [Cspf Queries] (vRtrMplsS2lSubLspCspfQueries)	long	The value of vRtrMplsS2lSubLspCspfQueries indicates the number of CSPF queries that have been made for this LSP S2l.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retryAttempts [Retry Attempts] (vRtrMplsS2ISubLspRetryAttempts)	long	The value of vRtrMplsS2ISubLspRetryAttempts indicates the number of unsuccessful attempts which have been made to signal this S2I. As soon as the S2I gets signalled, this is set to 0.
timeDown [Time Down] (vRtrMplsS2ISubLspTimeDown)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has not been operational.
timeUp [Time Up] (vRtrMplsS2ISubLspTimeUp)	long	The value of vRtrMplsS2ISubLspTimeUp indicates the total time that this LSP S2I has been operational. For example, the percentage up time can be determined by computing $(vRtrMplsS2ISubLspTimeUp/vRtrMplsLspAge * 100 \%)$.
transitionCount [Transition Count] (vRtrMplsS2ISubLspTransitionCount)	long	The value of vRtrMplsS2ISubLspTransitionCount indicates the number of transitions that have occurred for this LSP.
<p>SiteStats</p> <p>MIB entry name: vRtrMplsGeneralStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an instance of the MPLS protocol running within a virtual router. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrMplsGeneralStatTable): The vRtrMplsGeneralStatTable contains statistics for an MPLS protocol instance within a virtual router.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: mpls.Site</p>		
detourOriginate [Detour Originate] (vRtrMplsGeneralDetourLspOriginate)	long	The value of vRtrMplsGeneralDetourLspOriginate indicates the number of detour LSPs that originate at this virtual router.
detourTerminate [Detour Terminate] (vRtrMplsGeneralDetourLspTerminate)	long	The value of vRtrMplsGeneralDetourLspTerminate indicates the number of detour LSPs that terminate at this virtual router.

Table 841 mpls statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
detourTransit [Detour Transit] (vRtrMplsGeneralDetourLspTransit)	long	The value of vRtrMplsGeneralDetourLspTransit indicates the number of detour LSPs that transit through this virtual router.
dynamicOriginate [Dynamic Originate] (vRtrMplsGeneralDynamicLspOriginate)	long	The value of vRtrMplsGeneralDynamicLspOriginate indicates the number of dynamic LSPs that originate at this virtual router.
dynamicTerminate [Dynamic Terminate] (vRtrMplsGeneralDynamicLspTerminate)	long	The value of vRtrMplsGeneralDynamicLspTerminate indicates the number of dynamic LSPs that terminate at this virtual router.
dynamicTransit [Dynamic Transit] (vRtrMplsGeneralDynamicLspTransit)	long	The value of vRtrMplsGeneralDynamicLspTransit indicates the number of dynamic LSPs that transit through this virtual router.
staticOriginate [Static Originate] (vRtrMplsGeneralStaticLspOriginate)	long	The value of vRtrMplsGeneralStaticLspOriginate indicates the number of static LSPs that originate at this virtual router.
staticTerminate [Static Terminate] (vRtrMplsGeneralStaticLspTerminate)	long	The value of vRtrMplsGeneralStaticLspTerminate indicates the number of static LSPs that terminate at this virtual router.
staticTransit [Static Transit] (vRtrMplsGeneralStaticLspTransit)	long	The value of vRtrMplsGeneralStaticLspTransit indicates the number of static LSPs that transit through this virtual router.

Table 842 multichassis statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisPeerRingStats</p> <p>MIB entry name: tmnxMcrPeerStatsEntry</p> <p>Entry description: Each row entry in the tmnxMcrPeerStatsTable represents additional columns of operational data for a multi-chassis peer.</p> <p>Table description (for tmnxMcrPeerStatsTable): The tmnxMcrPeerStatsTable has an entry for each multi-chassis peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.Peer</p>		
keepAlivePacketsTransmitted [Keep Alive Packets Transmitted] (tmnxMcrPeerStatsTxKeepAlive)	long	The value of tmnxMcrPeerStatsTxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were transmitted to the peer.
mcsIdRequestPacketsReceived [Mcs Id Request Packets Received] (tmnxMcrPeerStatsRxMcsIdReq)	long	The value of tmnxMcrPeerStatsRxMcsIdReq indicates how many valid MCS ID requests were received from the peer.
mcsIdRequestPacketsTransmitted [Mcs Id Request Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdReq)	long	The value of tmnxMcrPeerStatsTxMcsIdReq indicates how many valid MCS ID requests were transmitted to the peer.
mcsIdResponsePacketsReceived [Mcs Id Response Packets Received] (tmnxMcrPeerStatsRxMcsIdRsp)	long	The value of tmnxMcrPeerStatsRxMcsIdRsp indicates how many valid MCS ID responses were received from the peer.
mcsIdResponsePacketsTransmitted [Mcs Id Response Packets Transmitted] (tmnxMcrPeerStatsTxMcsIdRsp)	long	The value of tmnxMcrPeerStatsTxMcsIdRsp indicates how many valid MCS ID responses were transmitted to the peer.
ringExistsRequestPacketsReceived [Ring Exists Request Packets Received] (tmnxMcrPeerStatsRxRingExistsReq)	long	The value of tmnxMcrPeerStatsRxRingExistsReq indicates how many valid 'ring exists' requests were received from the peer.

Table 842 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ringExistsRequestPacketsTransmitted [Ring Exists Request Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsReq)	long	The value of tmnxMcrPeerStatsTxRingExistsReq indicates how many valid 'ring exists' requests were transmitted to the peer.
ringExistsResponsePacketsReceived [Ring Exists Response Packets Received] (tmnxMcrPeerStatsRxRingExistsRsp)	long	The value of tmnxMcrPeerStatsRxRingExistsRsp indicates how many valid 'ring exists' responses were received from the peer.
ringExistsResponsePacketsTransmitted [Ring Exists Response Packets Transmitted] (tmnxMcrPeerStatsTxRingExistsRsp)	long	The value of tmnxMcrPeerStatsTxRingExistsRsp indicates how many valid 'ring exists' responses were transmitted to the peer.
ringKeepAlivePacketsReceived [Ring Keep Alive Packets Received] (tmnxMcrPeerStatsRxKeepAlive)	long	The value of tmnxMcrPeerStatsRxKeepAlive indicates how many valid MC-Ring control packets of type 'keepalive' were received from the peer.
ringSignallingPacketsReceived [Ring Signalling Packets Received] (tmnxMcrPeerStatsRx)	long	The value of tmnxMcrPeerStatsRx indicates how many valid MC-Ring signalling messages were received from the peer.
ringSignallingPacketsTransmitted [Ring Signalling Packets Transmitted] (tmnxMcrPeerStatsTx)	long	The value of tmnxMcrPeerStatsTx indicates how many valid MC-Ring signalling messages were transmitted to the peer.
MultiChassisRingGlobalStats MIB entry name: tmnxMcRedundancyStatsObjs Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
deliveredToPeerPacketsReceived [Delivered To Peer Packets Received] (tmnxMcrStatsRxDelivrdToPeer)	long	The value of tmnxMcrStatsRxDelivrdToPeer indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their peer.

Table 842 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
deliveredToRingNodePacketsReceived [Delivered To Ring Node Packets Received] (tmnxMcrStatsRxDelivrdToRingNode)	long	The value of tmnxMcrStatsRxDelivrdToRingNode indicates how many MC-R signalling packets were received by this system that were correctly delivered to their ring node.
deliveredToRingPacketsReceived [Delivered To Ring Packets Received] (tmnxMcrStatsRxDelivrdToRing)	long	The value of tmnxMcrStatsRxDelivrdToRing indicates how many MC-Ring signalling packets were received by this system that were correctly delivered to their ring.
incompletePacketsReceived [Incomplete Packets Received] (tmnxMcrStatsRxIncomplete)	long	The value of tmnxMcrStatsRxIncomplete indicates how many MC-Ring signalling packets were received by this system that were incomplete.
invalidTlvPacketsReceived [Invalid Tlv Packets Received] (tmnxMcrStatsRxInvalidTlv)	long	The value of tmnxMcrStatsRxInvalidTlv indicates how many MC-Ring signalling packets were received by this system with invalid TLV.
missedBfdEvents [Missed Bfd Events] (tmnxMcrStatsMissedBfdEvent)	long	The value of tmnxMcrStatsMissedBfdEvent indicates the number of missed BFD events on this system.
missedConfigEvents [Missed Config Events] (tmnxMcrStatsMissedConfigEvent)	long	The value of tmnxMcrStatsMissedConfigEvent indicates the number of missed configuration events on this system.
noBufferPacketsNotTransmitted [No Buffer Packets Not Transmitted] (tmnxMcrStatsTxNoBuffer)	long	The value of tmnxMcrStatsTxNoBuffer indicates how many MC-Ring signalling packets could not be transmitted by this system due to a lack of packet buffers.
signallingPacketsNotTransmitted [Signalling Packets Not Transmitted] (tmnxMcrStatsTxTransmitFailed)	long	The value of tmnxMcrStatsTxTransmitFailed indicates how many MC-Ring signalling packets could not be transmitted by this system due to a transmission failure.
signallingPacketsReceived [Signalling Packets Received] (tmnxMcrStatsRx)	long	The value of tmnxMcrStatsRx indicates how many MC-Ring signalling packets were received by this system.

Table 842 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
signallingPacketsTransmitted [Signalling Packets Transmitted] (tmnxMcrStatsTx)	long	The value of tmnxMcrStatsTx indicates how many MC-Ring signalling packets were transmitted by this system.
tooShortPacketsReceived [Too Short Packets Received] (tmnxMcrStatsRxTooShort)	long	The value of tmnxMcrStatsRxTooShort indicates how many MC-Ring signalling packets were received by this system that were too short.
unknownDestinationPacketsDropped [Unknown Destination Packets Dropped] (tmnxMcrStatsTxUnknownDest)	long	The value of tmnxMcrStatsTxUnknownDest indicates how many MC-R signalling packets were dropped because the destination was unknown.
unknownPeerPacketsReceived [Unknown Peer Packets Received] (tmnxMcrStatsRxUnknownPeer)	long	The value of tmnxMcrStatsRxUnknownPeer indicates how many MC-Ring signalling packets were received by this system that were related to an unknown peer.
unknownRingNodePacketsReceived [Unknown Ring Node Packets Received] (tmnxMcrStatsRxUnknownRingNode)	long	The value of tmnxMcrStatsRxUnknownRingNode indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring node.
unknownRingPacketsReceived [Unknown Ring Packets Received] (tmnxMcrStatsRxUnknownRing)	long	The value of tmnxMcrStatsRxUnknownRing indicates how many MC-Ring signalling packets were received by this system that were related to an unknown ring.
unknownTypePacketsReceived [Unknown Type Packets Received] (tmnxMcrStatsRxUnknownType)	long	The value of tmnxMcrStatsRxUnknownType indicates how many MC-Ring signalling packets were received by this system that were of unknown type.
wrongAuthenticationPacketsReceived [Wrong Authentication Packets Received] (tmnxMcrStatsRxWrongAuth)	long	The value of tmnxMcrStatsRxWrongAuth indicates how many MC-Ring signalling packets were received by this system with invalid authentication.

Table 842 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MultiChassisRingNodeStats</p> <p>MIB entry name: tmnxMcrRingNodeStatsEntry</p> <p>Entry description: Each row entry represents statistics related to an access node that participates in a multi-chassis ring configuration with a given peer. Rows are created or removed automatically by the system.</p> <p>Table description (for tmnxMcrRingNodeStatsTable): The tmnxMcrRingNodeStatsTable has an entry for each access node that participates in a multi-chassis ring configuration for the indicated peer.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: multichassis.MultiChassisRingNode</p>		
detectedPacketsAcknowledged [Detected Packets Acknowledged] (tmnxMcrRingNodeStatsTxDetectAck)	long	The value of tmnxMcrRingNodeStatsTxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged to the peer for this multi-chassis ring node.
detectedPacketsPeerAcknowledged [Detected Packets Peer Acknowledged] (tmnxMcrRingNodeStatsRxDetectAck)	long	The value of tmnxMcrRingNodeStatsRxDetectAck indicates how many valid 'detected ring node' signalling messages were acknowledged by the peer for this multi-chassis ring node.
detectedPacketsReceived [Detected Packets Received] (tmnxMcrRingNodeStatsRxDetect)	long	The value of tmnxMcrRingNodeStatsRxDetect indicates how many valid 'detected ring node' signalling messages were received from the peer for this multi-chassis ring node.
detectedPacketsTransmitted [Detected Packets Transmitted] (tmnxMcrRingNodeStatsTxDetect)	long	The value of tmnxMcrRingNodeStatsTxDetect indicates how many valid 'detected ring node' signalling messages were transmitted to the peer for this multi-chassis ring node.
rncvPacketsReceived [Rncv Packets Received] (tmnxMcrRingNodeStatsRncvRxResp)	long	The value of tmnxMcrRingNodeStatsRncvRxResp indicates how many valid connectivity verification messages were received from this multi-chassis ring node.

Table 842 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rcvPacketsRoundTripTime [Rcv Packets Round Trip Time] (tmnxMcrRingNodeStatsRcvRtTime)	long	The value of tmnxMcrRingNodeStatsRcvRtTime indicates the round-trip-time of the last successful connectivity verification for this multi-chassis ring node. If there has not been a successful connectivity verification, the value of tmnxMcrRingNodeStatsRcvRtTime is zero.
rcvPacketsTransmitted [Rcv Packets Transmitted] (tmnxMcrRingNodeStatsRcvTxReq)	long	The value of tmnxMcrRingNodeStatsRcvTxReq indicates how many valid connectivity verification messages were transmitted to this multi-chassis ring node.
<p>MultiChassisRingStats MIB entry name: tmnxMcrRingStatsEntry Entry description: Each row entry in the tmnxMcrRingStatsTable represents additional columns of operational data for a ring that participates in a multi-chassis operation with a given peer. Table description (for tmnxMcrRingStatsTable): The tmnxMcrRingStatsTable has an entry for each multi-chassis ring that participates in a multi-chassis configuration for the indicated peer. Supports realtime plotting Supports scheduled collection Monitored class: multichassis.MultiChassisRing</p>		
opaquePacketsReceivedDelivered [Opaque Packets Received Delivered] (tmnxMcrRingStatsRxOpaqueDelivrd)	long	The value of tmnxMcrRingStatsRxOpaqueDelivrd indicates how many valid opaque signalling messages were received from the peer and delivered for this multi-chassis ring.
opaquePacketsReceivedNoDestination [Opaque Packets Received No Destination] (tmnxMcrRingStatsRxOpaqueNoDest)	long	The value of tmnxMcrRingStatsRxOpaqueNoDest indicates how many valid opaque signalling messages were received from the peer and for which no destination could be found.
opaquePacketsTransmitted [Opaque Packets Transmitted] (tmnxMcrRingStatsTxOpaque)	long	The value of tmnxMcrRingStatsTxOpaque indicates how many valid opaque signalling messages were transmitted to the peer for this multi-chassis ring.

Table 842 multichassis statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sapsChangedPacketsReceived [Saps Changed Packets Received] (tmnxMcrRingStatsRxSapsChanged)	long	The value of tmnxMcrRingStatsRxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were received from the peer for this multi-chassis ring.
sapsChangedPacketsTransmitted [Saps Changed Packets Transmitted] (tmnxMcrRingStatsTxSapsChanged)	long	The value of tmnxMcrRingStatsTxSapsChanged indicates how many valid 'SAPs changed info' signalling messages were transmitted to the peer for this multi-chassis ring.

Table 843 netw statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
SnmpAgentStats MIB entry name: sysGenInfo Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
sgiSnmpInGetBulks [Sgi Snmp In Get Bulks] (sgiSnmpInGetBulks)	long	The value of sgiSnmpInGetBulks indicates the total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity.
snmpInASNParseErrs [Snmp In ASNParse Errs] (snmpInASNParseErrs)	long	The total number of ASN.1 or BER errors encountered by the SNMP entity when decoding received SNMP messages.
snmpInBadCommunityNames [Snmp In Bad Community Names] (snmpInBadCommunityNames)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which used an SNMP community name not known to said entity. Also, implementations which authenticate community-based SNMP messages using check(s) in addition to matching the community name (for example, by also checking whether the message originated from a transport address allowed to use a specified community name) MAY include in this value the number of messages which failed the additional check(s). It is strongly RECOMMENDED that the documentation for any security model which is used to authenticate community-based SNMP messages specify the precise conditions that contribute to this value.

Table 843 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpInBadCommunityUses [Snmp In Bad Community Uses] (snmpInBadCommunityUses)	long	The total number of community-based SNMP messages (for example, SNMPv1) delivered to the SNMP entity which represented an SNMP operation that was not allowed for the SNMP community named in the message. The precise conditions under which this counter is incremented (if at all) depend on how the SNMP entity implements its access control mechanism and how its applications interact with that access control mechanism. It is strongly RECOMMENDED that the documentation for any access control mechanism which is used to control access to and visibility of MIB instrumentation specify the precise conditions that contribute to this value.
snmpInBadVersions [Snmp In Bad Versions] (snmpInBadVersions)	long	The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version.
snmpInPkts [Snmp In Pkts] (snmpInPkts)	long	The total number of messages delivered to the SNMP entity from the transport service.
snmpProxyDrops [Snmp Proxy Drops] (snmpProxyDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response Class PDU (such as a Response-PDU) could be returned.

Table 843 netw statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
snmpSilentDrops [Snmp Silent Drops] (snmpSilentDrops)	long	The total number of Confirmed Class PDUs (such as GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs) delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response Class PDU (such as a Response-PDU) with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request.

Table 844 ospf statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaBasicStats</p> <p>MIB entry name: tmnxOspfAreaEntry</p> <p>Entry description: The tmnxOspfAreaEntry contains information describing the configured parameters and cumulative statistics of one of the router's attached areas.</p> <p>Table description (for tmnxOspfAreaTable): The tmnxOspfAreaTable contains information describing the configured parameters and cumulative statistics of the router's attached areas.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
nssaTranslatorEvents [Nssa Translator Events] (tmnxOspfAreaNssaTranslatorEvents)	long	The value of tmnxOspfAreaNssaTranslatorEvents indicates the number of Translator State changes that have occurred since the last boot-up.
totalLSACount [Total LSACount] (tmnxOspfAreaScopeLsaCount)	long	The value of tmnxOspfAreaScopeLsaCount indicates the total number of Area-Scope link state advertisements in this area's link-state database.
totalSpfRuns [Total Spf Runs] (tmnxOspfAreaSpfRuns)	long	The value of tmnxOspfAreaSpfRuns indicates the number of times that the intra-area route table has been calculated using this area's link-state database. This is typically done using Dijkstra's algorithm.
totalUnknownLSACount [Total Unknown LSACount] (tmnxOspfAreaScopeUnkLsaCount)	long	The value of tmnxOspfAreaScopeUnkLsaCount indicates the total number of unknown Area-Scope link-state advertisements in this area's link-state database.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>AreaSiteLfaStats</p> <p>MIB entry name: tmnxOspfLfaStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfLfaStatsTable represents information on LFA coverage for a given OSPF area</p> <p>Table description (for tmnxOspfLfaStatsTable): The tmnxOspfLfaStatsTable maintains information on loopfree-alternate (LFA) coverage for each instance of OSPF protocol.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.AreaSite</p>		
ospfLfaCoverage [Ospf Lfa Coverage] (tmnxOspfLfaCoverage)	long	The value of tmnxOspfLfaCoverage indicates how much LFA coverage is being obtained for the set of available LFA eligible nodes.
ospfLfaNodesCovered [Ospf Lfa Nodes Covered] (tmnxOspfLfaNodesCovered)	long	The value of tmnxOspfLfaNodesCovered indicates in absolute numbers the number of nodes for which an LFA is found.
ospfLfaPrefixCoverage [Ospf Lfa Prefix Coverage] (tmnxOspfLfaPfxCoverage)	long	The value of tmnxOspfLfaPfxCoverage indicates how much LFA prefix coverage is being obtained for the set of available LFA eligible prefixes.
ospfLfaPrefixCovered [Ospf Lfa Prefix Covered] (tmnxOspfLfaPfxCovered)	long	The value of tmnxOspfLfaPfxCovered indicates in absolute numbers the number of prefixes for which an LFA is found.
ospfLfaTotalNodes [Ospf Lfa Total Nodes] (tmnxOspfLfaTotalNodes)	long	The value of tmnxOspfLfaTotalNodes indicates in absolute numbers the number of nodes eligible for LFA calculation.
ospfLfaTotalPrefix [Ospf Lfa Total Prefix] (tmnxOspfLfaTotalPfx)	long	The value of tmnxOspfLfaTotalPfx indicates in absolute numbers the number of prefixes eligible for LFA calculation.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceGeneralStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
events [Events] (tmnxOspfNgIfEvents)	long	The value of tmnxOspfNgIfEvents indicates the number of times this OSPF interface has changed its state, or an error has occurred.
<p>InterfaceReceiveStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfNgIfRxBadChecksums)	long	The value of tmnxOspfNgIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
InterfaceStatusStats MIB entry name: tmnxOspfNgIfStatsEntry Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface. Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.Interface		
authorizationFailures [Authorization Failures] (tmnxOspfNgIfAuthFailures)	long	The value of tmnxOspfNgIfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfNglfBadAreas)	long	The value of tmnxOspfNglfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfNglfBadAuthTypes)	long	The value of tmnxOspfNglfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfNglfBadDeadIntervals)	long	The value of tmnxOspfNglfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfNglfBadDstAddrs)	long	The value of tmnxOspfNglfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfNglfBadHelloIntervals)	long	The value of tmnxOspfNglfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfNglfBadLengths)	long	The value of tmnxOspfNglfBadLengths indicates the total number of OSPF packets received on this interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfNglfBadNeighbors)	long	The value of tmnxOspfNglfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badNetworks [Bad Networks] (tmnxOspfNgIfBadNetworks)	long	The value of tmnxOspfNgIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfNgIfBadOptions)	long	The value of tmnxOspfNgIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this interface or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfNgIfBadPacketTypes)	long	The value of tmnxOspfNgIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfNgIfBadVersions)	long	The value of tmnxOspfNgIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.
badVirtualLinks [Bad Virtual Links] (tmnxOspfNgIfBadVirtualLinks)	long	The value of tmnxOspfNgIfBadVirtualLinks indicates the total number of OSPF packets received on this interface that are destined to a virtual link that does not exist since tmnxOspfAdminState was last set to 'enabled'.
discardPackets [Discard Packets] (tmnxOspfNgIfDiscardPackets)	long	The value of tmnxOspfNgIfDiscardPackets indicates the total number of OSPF packets discarded on this interface since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfNgIfRetransmitOuts)	long	The value of tmnxOspfNgIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InterfaceTransmitStats</p> <p>MIB entry name: tmnxOspfNgIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgIfStatsTable represents additional columns for statistics for an OSPF interface.</p> <p>Table description (for tmnxOspfNgIfStatsTable): The tmnxOspfNgIfStatsTable provides an extension of the tmnxOspfNgIfTable for statistics for an OSPF interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Interface</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfNgIfRxDBDs)	long	The value of tmnxOspfNgIfRxDBDs indicates the total number of OSPF Database Description packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfNgIfRxHellos)	long	The value of tmnxOspfNgIfRxHellos indicates the total number of OSPF Hello packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfNgIfRxLSAcks)	long	The value of tmnxOspfNgIfRxLSAcks indicates the total number of Link State Acknowledgements received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfNgIfRxLSRs)	long	The value of tmnxOspfNgIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfNgIfRxLSUs)	long	The value of tmnxOspfNgIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this interface since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfNgIfRxPackets)	long	The value of tmnxOspfNgIfRxPackets indicates the total number of OSPF packets received on this interface since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>NeighborGeneralStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ospf.Neighbor • ospf.OspfNeighbor 		
events [Events] (tmnxOspfNgNbrEvents)	long	The value of tmnxOspfNgNbrEvents indicates the number of times this neighbor relationship has changed state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfNgNbrLsRetransQLen)	long	The value of tmnxOspfNgNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>NeighborStatusStats</p> <p>MIB entry name: tmnxOspfNgNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfNgNbrStatsTable represents additional columns for statistics for an OSPF neighbor.</p> <p>Table description (for tmnxOspfNgNbrStatsTable): The tmnxOspfNgNbrStatsTable provides an extension of the tmnxOspfNgNbrTable for statistics for an OSPF neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Neighbor</p>		

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badMtus [Bad Mtus] (tmnxOspfNgNbrBadMTUs)	long	The value of tmnxOspfNgNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badNeighborStates [Bad Neighbor States] (tmnxOspfNgNbrBadNbrStates)	long	The value of tmnxOspfNgNbrBadNbrStates indicates the total number of OSPF packets received when the neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfNgNbrBadPackets)	long	The value of tmnxOspfNgNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfNgNbrBadSeqNums)	long	The value of tmnxOspfNgNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfNgNbrDuplicates)	long	The value of tmnxOspfNgNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfNgNbrLsaInstallFailed)	long	The value of tmnxOspfNgNbrLsaInstallFailed indicates the total number of times an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfNgNbrLsaNotInLsdb)	long	The value of tmnxOspfNgNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfNgNbrNumRestarts)	long	The value of tmnxOspfNgNbrNumRestarts indicates the number of times the neighbor has attempted restart.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
optionMismatches [Option Mismatches] (tmnxOspfNgNbrOptionMismatches)	long	The value of tmnxOspfNgNbrOptionMismatches indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkGeneralStats MIB entry name: tmnxOspfShamLfStatsEntry Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
events [Events] (tmnxOspfShamLfEvents)	long	The value of tmnxOspfShamLfEvents indicates the number of state changes or error events on this sham link.
<p>ShamLinkNeighborGeneralStats MIB entry name: tmnxOspfShamNbrStatsEntry Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor. Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLinkNeighbor</p>		
events [Events] (tmnxOspfShamNbrEvents)	long	The value of tmnxOspfShamNbrEvents indicates the number of times this sham link has changed its state, or an error has occurred.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfShamNbrLsRetransQLen)	long	The value of tmnxOspfShamNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>ShamLinkNeighborStatusStats</p> <p>MIB entry name: tmnxOspfShamNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamNbrStatsTable represents additional columns for statistics for an OSPF sham link neighbor.</p> <p>Table description (for tmnxOspfShamNbrStatsTable): The tmnxOspfShamNbrStatsTable provides an extension of the tmnxOspfShamNbrTable for statistics for an OSPF sham link neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLinkNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfShamNbrBadMTUs)	long	The value of tmnxOspfShamNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfShamNbrBadPackets)	long	The value of tmnxOspfShamNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfShamNbrBadSeqNums)	long	The value of tmnxOspfShamNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfShamNbrBadNbrStates)	long	The value of tmnxOspfShamNbrBadNbrStates indicates the total number of OSPF packets received when the sham link neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
duplicates [Duplicates] (tmnxOspfShamNbrDuplicates)	long	The value of tmnxOspfShamNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfShamNbrLsaInstallFail)	long	The value of tmnxOspfShamNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfShamNbrLsaNotInLsdb)	long	The value of tmnxOspfShamNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfShamNbrNumRestarts)	long	The value of tmnxOspfShamNbrNumRestarts indicates the number of times the sham link neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfShamNbrOptionMismatch)	long	The value of tmnxOspfShamNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
ShamLinkReceiveStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink		

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfShamIfRxBadChecksums)	long	The value of tmnxOspfShamIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>ShamLinkStatusStats</p> <p>MIB entry name: tmnxOspfShamLfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfShamLfStatsTable represents additional columns for statistics for an OSPF sham link.</p> <p>Table description (for tmnxOspfShamLfStatsTable): The tmnxOspfShamLfStatsTable provides an extension of the tmnxOspfShamLfTable for statistics for an OSPF sham link.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.ShamLink</p>		
authorizationFailures [Authorization Failures] (tmnxOspfShamLfAuthFailures)	long	The value of tmnxOspfShamLfAuthFailures indicates the total number of OSPF packets received with an invalid authorization key since tmnxOspfAdminState was last set to 'enabled'.
badAreas [Bad Areas] (tmnxOspfShamLfBadAreas)	long	The value of tmnxOspfShamLfBadAreas indicates the total number of OSPF packets received with an area mismatch since tmnxOspfAdminState was last set to 'enabled'.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfShamLfBadAuthTypes)	long	The value of tmnxOspfShamLfBadAuthTypes indicates the total number of OSPF packets received with an invalid authorization type since tmnxOspfAdminState was last set to 'enabled'.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfShamLfBadDeadIntervals)	long	The value of tmnxOspfShamLfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfShamLfBadDstAddrs)	long	The value of tmnxOspfShamLfBadDstAddrs indicates the total number of OSPF packets received with the incorrect IP destination address since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badHelloIntervals [Bad Hello Intervals] (tmnxOspfShamIfBadHelloIntervals)	long	The value of tmnxOspfShamIfBadHelloIntervals indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this sham link since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfShamIfBadLengths)	long	The value of tmnxOspfShamIfBadLengths indicates the total number of OSPF packets received on this sham link with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfShamIfBadNeighbors)	long	The value of tmnxOspfShamIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the information this router has for the neighbor since tmnxOspfAdminState was last set to 'enabled'.
badNetworks [Bad Networks] (tmnxOspfShamIfBadNetworks)	long	The value of tmnxOspfShamIfBadNetworks indicates the total number of OSPF packets received with invalid network or mask since tmnxOspfAdminState was last set to 'enabled'.
badOptions [Bad Options] (tmnxOspfShamIfBadOptions)	long	The value of tmnxOspfShamIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this sham link or area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfShamIfBadPacketTypes)	long	The value of tmnxOspfShamIfBadPacketTypes indicates the total number of OSPF packets received with an invalid OSPF packet type since tmnxOspfAdminState was last set to 'enabled'.
badVersions [Bad Versions] (tmnxOspfShamIfBadVersions)	long	The value of tmnxOspfShamIfBadVersions indicates the total number of OSPF packets received with bad OSPF version numbers since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
discardPackets [Discard Packets] (tmnxOspfShamIfDiscardPackets)	long	The value of tmnxOspfShamIfDiscardPackets indicates the total number of OSPF packets discarded on this sham link since tmnxOspfAdminState was last set to 'enabled'.
retransmitOuts [Retransmit Outs] (tmnxOspfShamIfRetransmitOuts)	long	The value of tmnxOspfShamIfRetransmitOuts indicates the total number of OSPF Retransmits sent on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>ShamLinkTransmitStats MIB entry name: tmnxOspfShamIfStatsEntry Entry description: Each row entry in the tmnxOspfShamIfStatsTable represents additional columns for statistics for an OSPF sham link. Table description (for tmnxOspfShamIfStatsTable): The tmnxOspfShamIfStatsTable provides an extension of the tmnxOspfShamIfTable for statistics for an OSPF sham link. Supports realtime plotting Supports scheduled collection Monitored class: ospf.ShamLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfShamIfRxDBDs)	long	The value of tmnxOspfShamIfRxDBDs indicates the total number of OSPF Database Description packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
helloPackets [Hello Packets] (tmnxOspfShamIfRxHellos)	long	The value of tmnxOspfShamIfRxHellos indicates the total number of OSPF Hello packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfShamIfRxLSAcks)	long	The value of tmnxOspfShamIfRxLSAcks indicates the total number of Link State Acknowledgements received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
linkStateRequests [Link State Requests] (tmnxOspfShamIfRxLSRs)	long	The value of tmnxOspfShamIfRxLSRs indicates the total number of Link State Requests (LSRs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateUpdates [Link State Updates] (tmnxOspfShamIfRxLSUs)	long	The value of tmnxOspfShamIfRxLSUs indicates the total number of Link State Updates (LSUs) received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
totalPackets [Total Packets] (tmnxOspfShamIfRxPackets)	long	The value of tmnxOspfShamIfRxPackets indicates the total number of OSPF packets received on this sham link since tmnxOspfAdminState was last set to 'enabled'.
<p>SiteStats</p> <p>MIB entry name: tmnxOspfStatisticsEntry</p> <p>Entry description: Each row entry in the tmnxOspfStatisticsTable represents additional columns for statistics for an OSPF instance.</p> <p>Table description (for tmnxOspfStatisticsTable): The tmnxOspfStatisticsTable provides an extension of the tmnxOspfGeneralTable for statistics for an OSPF instance.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.Site</p>		
addRouteFailed [Add Route Failed] (tmnxOspfRoutesAddsFailed)	long	The value of tmnxOspfRoutesAddsFailed indicates the number of times an attempt to add a route to the Route Table Manager (RTM) failed for this OSPF instance.
cspfDroppedRequests [Cspf Dropped Requests] (tmnxOspfCSPFDroppedRequests)	long	The value of tmnxOspfCSPFDroppedRequests indicates the number of dropped CSPF requests made by the OSPF protocol.
cspfPathsFound [Cspf Paths Found] (tmnxOspfCSPFPathsFound)	long	The value of tmnxOspfCSPFPathsFound indicates the number of of paths found for the requests made to OSPF protocol.
cspfPathsNotFound [Cspf Paths Not Found] (tmnxOspfCSPFPathsNotFound)	long	The value of tmnxOspfCSPFPathsNotFound indicates the number of of paths not found for the requests made to OSPF protocol.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
cspfRequests [Cspf Requests] (tmnxOspfCSPFRequests)	long	The value of tmnxOspfCSPFRequests indicates the number of CSPF requests made to the OSPF protocol.
deleteRouteFailed [Delete Route Failed] (tmnxOspfRoutesDelsFailed)	long	The value of tmnxOspfRoutesDelsFailed indicates the number of times an attempt to delete a route from the Route Table Manager (RTM) failed for this instance of OSPF.
inOverflowCount [In Overflow Count] (tmnxOspfNumTimesInOverflow)	long	The value of tmnxOspfNumTimesInOverflow indicates the count of the number of times the system was in the overflow state.
inOverloadCount [In Overload Count] (tmnxOspfNumTimesInOverload)	long	The value of tmnxOspfNumTimesInOverload indicates the count of the number of times the system was overloaded.
modifyRouteFailed [Modify Route Failed] (tmnxOspfRoutesModsFailed)	long	The value of tmnxOspfRoutesModsFailed indicates the number of times an attempt to modify a route in the Route Table Manager (RTM) failed for this instance of OSPF.
newLsasOriginated [New Lsas Originated] (tmnxOspfOriginateNewLsas)	long	The value of tmnxOspfOriginateNewLsas indicates the number of new link-state advertisements that have been originated. This number is incremented each time the router originates a new LSA.
newLsasReceived [New Lsas Received] (tmnxOspfRxNewLsas)	long	The value of tmnxOspfRxNewLsas indicates the number of link-state advertisements received determined to be new instantiations. This number does not include newer instantiations of self-originated link-state advertisements.
spfAttemptsFailed [Spf Attempts Failed] (tmnxOspfSpfAttemptsFailed)	long	The value of tmnxOspfSpfAttemptsFailed indicates the number of times an attempt to run SPF has failed because SPF runs have been stopped as a result of insufficient memory resources.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>VirtualLinkGeneralStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
events [Events] (tmnxOspfVirtIfEvents)	long	The value of tmnxOspfVirtIfEvents indicates the number of state changes or error events on this Virtual Link
<p>VirtualLinkReceiveStats</p> <p>MIB entry name: tmnxOspfVirtIfStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface.</p> <p>Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualLink</p>		
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
lsasWithBadChecksums [Lsas With Bad Checksums] (tmnxOspfVirtIfRxBadChecksums)	long	The value of tmnxOspfVirtIfRxBadChecksums indicates the count of LSAs received with bad checksums.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
VirtualLinkStatusStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink		
authorizationFailures [Authorization Failures] (tmnxOspfVirtIfAuthFailures)	long	The value of tmnxOspfVirtIfAuthFailures indicates the total number of OSPF packets received on this virtual interface with invalid authentication keys.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badAreas [Bad Areas] (tmnxOspfVirtIfBadAreas)	long	The value of tmnxOspfVirtIfBadAreas indicates the total number of OSPF packets received on this virtual interface with area mismatches.
badAuthorizationTypes [Bad Authorization Types] (tmnxOspfVirtIfBadAuthTypes)	long	The value of tmnxOspfVirtIfBadAuthTypes indicates the total number of OSPF packets received on this virtual interface with invalid authentication types.
badDeadIntervals [Bad Dead Intervals] (tmnxOspfVirtIfBadDeadIntervals)	long	The value of tmnxOspfVirtIfBadDeadIntervals indicates the total number of OSPF packets received where the dead interval given in the packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badDestinationAddresses [Bad Destination Addresses] (tmnxOspfVirtIfBadDstAdrs)	long	The value of tmnxOspfVirtIfBadDstAdrs indicates the total number of OSPF packets received on this virtual interface with invalid destination IP address.
badHelloIntervals [Bad Hello Intervals] (tmnxOspfVirtIfBadHelloIntervls)	long	The value of tmnxOspfVirtIfBadHelloIntervls indicates the total number of OSPF packets received where the hello interval given in packet was not equal to that configured on this virtual interface since tmnxOspfAdminState was last set to 'enabled'.
badLengths [Bad Lengths] (tmnxOspfVirtIfBadLengths)	long	The value of tmnxOspfVirtIfBadLengths indicates the total number of OSPF packets received on this virtual interface with a total length not equal to the length given in the packet itself since tmnxOspfAdminState was last set to 'enabled'.
badNeighbors [Bad Neighbors] (tmnxOspfVirtIfBadNeighbors)	long	The value of tmnxOspfVirtIfBadNeighbors indicates the total number of OSPF packets received where the neighbor information does not match the configuration this router has for the neighbor.
badNetworks [Bad Networks] (tmnxOspfVirtIfBadNetworks)	long	The value of tmnxOspfVirtIfBadNetworks indicates the total number of OSPF packets received on this virtual interface with invalid network or mask fields.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badOptions [Bad Options] (tmnxOspfVirtIfBadOptions)	long	The value of tmnxOspfVirtIfBadOptions indicates the total number of OSPF packets received with an option that does not match those configured for this virtual interface or transit-area since tmnxOspfAdminState was last set to 'enabled'.
badPacketTypes [Bad Packet Types] (tmnxOspfVirtIfBadPacketTypes)	long	The value of tmnxOspfVirtIfBadPacketTypes indicates the total number of OSPF packets received on this virtual interface with invalid OSPF packet types.
badVersions [Bad Versions] (tmnxOspfVirtIfBadVersions)	long	The value of tmnxOspfVirtIfBadVersions indicates the total number of OSPF packets received on this virtual interface with invalid OSPF version numbers.
discardPackets [Discard Packets] (tmnxOspfVirtIfDiscardPackets)	long	The value of tmnxOspfVirtIfDiscardPackets indicates the total number of OSPF packets discarded on this virtual interface.
retransmitOuts [Retransmit Outs] (tmnxOspfVirtIfRetransmitOuts)	long	The value of tmnxOspfVirtIfRetransmitOuts indicates the total number of OSPF packets retransmitted on this virtual interface.
<p>VirtualLinkTransmitStats MIB entry name: tmnxOspfVirtIfStatsEntry Entry description: Each row entry in the tmnxOspfVirtIfStatsTable represents additional columns for statistics for an OSPF virtual interface. Table description (for tmnxOspfVirtIfStatsTable): The tmnxOspfVirtIfStatsTable provides an extension of the tmnxOspfVirtIfTable for statistics for an OSPF virtual interface. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualLink</p>		

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
databaseDescriptionPackets [Database Description Packets] (tmnxOspfVirtIfRxDBDs)	long	The value of tmnxOspfVirtIfRxDBDs indicates the total number of OSPF Database Description packets received on this virtual interface.
helloPackets [Hello Packets] (tmnxOspfVirtIfRxHellos)	long	The value of tmnxOspfVirtIfRxHellos indicates the total number of OSPF Hello packets received on this virtual interface.
linkStateAcknowledgements [Link State Acknowledgements] (tmnxOspfVirtIfRxLSAcks)	long	The value of tmnxOspfVirtIfRxLSAcks indicates the total number of Link State Acknowledgements received on this virtual interface.
linkStateRequests [Link State Requests] (tmnxOspfVirtIfRxLSRs)	long	The value of tmnxOspfVirtIfRxLSRs indicates the total number of OSPF Link State Requests (LSRs) received on this virtual interface.
linkStateUpdates [Link State Updates] (tmnxOspfVirtIfRxLSUs)	long	The value of tmnxOspfVirtIfRxLSUs indicates the total number of OSPF Link State Updates (LSUs) received on this virtual interface.
totalPackets [Total Packets] (tmnxOspfVirtIfRxPackets)	long	The value of tmnxOspfVirtIfRxPackets indicates the total number of OSPF packets received on this virtual interface since it was created.
<p>VirtualNeighborGeneralStats</p> <p>MIB entry name: tmnxOspfVirtNbrStatsEntry</p> <p>Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor.</p> <p>Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: ospf.VirtualNeighbor</p>		

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
events [Events] (tmnxOspfVirtNbrEvents)	long	The value of tmnxOspfVirtNbrEvents indicates the number of times this virtual link has changed its state, or an error has occurred.
retransmissionQueueLength [Retransmission Queue Length] (tmnxOspfVirtNbrLsRetransQLen)	long	The value of tmnxOspfVirtNbrLsRetransQLen indicates the current length of the retransmission queue.
<p>VirtualNeighborStatusStats MIB entry name: tmnxOspfVirtNbrStatsEntry Entry description: Each row entry in the tmnxOspfVirtNbrStatsTable represents additional columns for statistics for an OSPF virtual neighbor. Table description (for tmnxOspfVirtNbrStatsTable): The tmnxOspfVirtNbrStatsTable provides an extension of the tmnxOspfVirtNbrTable for statistics for an OSPF virtual neighbor. Supports realtime plotting Supports scheduled collection Monitored class: ospf.VirtualNeighbor</p>		
badMtus [Bad Mtus] (tmnxOspfVirtNbrBadMTUs)	long	The value of tmnxOspfVirtNbrBadMTUs indicates the total number of times when the MTU in a received database description packet was larger than the MTU of the receiving interface since tmnxOspfAdminState was last set to 'enabled'.
badPackets [Bad Packets] (tmnxOspfVirtNbrBadPackets)	long	The value of tmnxOspfVirtNbrBadPackets indicates the total number of times when an LS update was received with an illegal LS type or an option mismatch since tmnxOspfAdminState was last set to 'enabled'.
badSequenceNumbers [Bad Sequence Numbers] (tmnxOspfVirtNbrBadSeqNums)	long	The value of tmnxOspfVirtNbrBadSeqNums indicates the total number of times when a database description packet was received with a sequence number mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 844 ospf statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
badVirtualNeighborStates [Bad Virtual Neighbor States] (tmnxOspfVirtNbrBadNbrStates)	long	The value of tmnxOspfVirtNbrBadNbrStates indicates the total number of OSPF packets received when the virtual neighbor state was not expecting to receive this packet type since tmnxOspfAdminState was last set to 'enabled'.
duplicates [Duplicates] (tmnxOspfVirtNbrDuplicates)	long	The value of tmnxOspfVirtNbrDuplicates indicates the total number of times when a duplicate database description packet was received during the Exchange state since tmnxOspfAdminState was last set to 'enabled'.
lsaInstallFailed [Lsa Install Failed] (tmnxOspfVirtNbrLsaInstallFail)	long	The value of tmnxOspfVirtNbrLsaInstallFail indicates the total number of times when an LSA could not be installed into the LSDB due to a resource allocation issue since tmnxOspfAdminState was last set to 'enabled'.
lsaNotInLSDB [Lsa Not In LSDB] (tmnxOspfVirtNbrLsaNotInLsdb)	long	The value of tmnxOspfVirtNbrLsaNotInLsdb indicates the total number of times when an LS request was received for an LSA not installed in the LSDB of this router since tmnxOspfAdminState was last set to 'enabled'.
numberOfRestarts [Number Of Restarts] (tmnxOspfVirtNbrNumRestarts)	long	The value of tmnxOspfVirtNbrNumRestarts indicates the number of times the virtual neighbor has attempted restart since tmnxOspfAdminState was last set to 'enabled'.
optionMismatches [Option Mismatches] (tmnxOspfVirtNbrOptionMismatch)	long	The value of tmnxOspfVirtNbrOptionMismatch indicates the total number of times when a LS update was received with an option mismatch since tmnxOspfAdminState was last set to 'enabled'.

Table 845 pae802_1x statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>PaePortAuthenticatorDiagStats</p> <p>MIB entry name: dot1xAuthDiagEntry</p> <p>Entry description: The diagnostics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthDiagTable): A table that contains the diagnostics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthAuthEapLogoffWhileAuthenticated [Dot 1 x Auth Auth Eap Logoff While Authenticated] (dot1xAuthAuthEapLogoffWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to DISCONNECTED, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapLogoffWhileAuthenticating [Dot 1 x Auth Auth Eap Logoff While Authenticating] (dot1xAuthAuthEapLogoffWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Logoff message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticated [Dot 1 x Auth Auth Eap Starts While Authenticated] (dot1xAuthAuthEapStartsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of an EAPOL-Start message being received from the Supplicant.
dot1xAuthAuthEapStartsWhileAuthenticating [Dot 1 x Auth Auth Eap Starts While Authenticating] (dot1xAuthAuthEapStartsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of an EAPOL-Start message being received from the Supplicant.

Table 845 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthAuthFailWhileAuthenticating [Dot 1 x Auth Auth Fail While Authenticating] (dot1xAuthAuthFailWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to HELD, as a result of the Backend Authentication state machine indicating authentication failure (authFail = TRUE).
dot1xAuthAuthReauthsWhileAuthenticated [Dot 1 x Auth Auth Reauths While Authenticated] (dot1xAuthAuthReauthsWhileAuthenticated)	long	Counts the number of times that the state machine transitions from AUTHENTICATED to CONNECTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthReauthsWhileAuthenticating [Dot 1 x Auth Auth Reauths While Authenticating] (dot1xAuthAuthReauthsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of a reauthentication request (reAuthenticate = TRUE).
dot1xAuthAuthSuccessWhileAuthenticating [Dot 1 x Auth Auth Success While Authenticating] (dot1xAuthAuthSuccessWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to AUTHENTICATED, as a result of the Backend Authentication state machine indicating successful authentication of the Supplicant (authSuccess = TRUE).
dot1xAuthAuthTimeoutsWhileAuthenticating [Dot 1 x Auth Auth Timeouts While Authenticating] (dot1xAuthAuthTimeoutsWhileAuthenticating)	long	Counts the number of times that the state machine transitions from AUTHENTICATING to ABORTING, as a result of the Backend Authentication state machine indicating authentication timeout (authTimeout = TRUE).
dot1xAuthBackendAccessChallenges [Dot 1 x Auth Backend Access Challenges] (dot1xAuthBackendAccessChallenges)	long	Counts the number of times that the state machine receives an initial Access-Challenge packet from the Authentication server (i.e., aReq becomes TRUE, causing exit from the RESPONSE state). Indicates that the Authentication Server has communication with the Authenticator.
dot1xAuthBackendAuthFails [Dot 1 x Auth Backend Auth Fails] (dot1xAuthBackendAuthFails)	long	Counts the number of times that the state machine receives an EAP-Failure message from the Authentication Server (i.e., aFail becomes TRUE, causing a transition from RESPONSE to FAIL). Indicates that the Supplicant has not authenticated to the Authentication Server.

Table 845 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthBackendAuthSuccesses [Dot 1 x Auth Backend Auth Successes] (dot1xAuthBackendAuthSuccesses)	long	Counts the number of times that the state machine receives an EAP-Success message from the Authentication Server (i.e., aSuccess becomes TRUE, causing a transition from RESPONSE to SUCCESS). Indicates that the Supplicant has successfully authenticated to the Authentication Server.
dot1xAuthBackendNonNakResponsesFromSupplicant [Dot 1 x Auth Backend Non Nak Responses From Supplicant] (dot1xAuthBackendNonNakResponsesFromSupplicant)	long	Counts the number of times that the state machine receives a response from the Supplicant to an initial EAP-Request, and the response is something other than EAP-NAK (i.e., rxResp becomes TRUE, causing the state machine to transition from REQUEST to RESPONSE, and the response is not an EAP-NAK). Indicates that the Supplicant can respond to the Authenticator's chosen EAP-method.
dot1xAuthBackendOtherRequestsToSupplicant [Dot 1 x Auth Backend Other Requests To Supplicant] (dot1xAuthBackendOtherRequestsToSupplicant)	long	Counts the number of times that the state machine sends an EAP-Request packet (other than an Identity, Notification, Failure or Success message) to the Supplicant (i.e., executes txReq on entry to the REQUEST state). Indicates that the Authenticator chose an EAP-method.
dot1xAuthBackendResponses [Dot 1 x Auth Backend Responses] (dot1xAuthBackendResponses)	long	Counts the number of times that the state machine sends an initial Access-Request packet to the Authentication server (i.e., executes sendRespToServer on entry to the RESPONSE state). Indicates that the Authenticator attempted communication with the Authentication Server.
dot1xAuthEapLogoffsWhileConnecting [Dot 1 x Auth Eap Logoffs While Connecting] (dot1xAuthEapLogoffsWhileConnecting)	long	Counts the number of times that the state machine transitions from CONNECTING to DISCONNECTED as a result of receiving an EAPOL-Logoff message.
dot1xAuthEntersAuthenticating [Dot 1 x Auth Enters Authenticating] (dot1xAuthEntersAuthenticating)	long	Counts the number of times that the state machine transitions from CONNECTING to AUTHENTICATING, as a result of an EAP-Response/Identity message being received from the Supplicant.

Table 845 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEntersConnecting [Dot 1 x Auth Enters Connecting] (dot1xAuthEntersConnecting)	long	Counts the number of times that the state machine transitions to the CONNECTING state from any other state.
<p>PaePortAuthenticatorSessionStats MIB entry name: dot1xAuthSessionStatsEntry Entry description: The session statistics information for an Authenticator PAE. This shows the current values being collected for each session that is still in progress, or the final values for the last valid session on each port where there is no session currently active. Table description (for dot1xAuthSessionStatsTable): A table that contains the session statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthSessionAuthenticMethod [Dot 1 x Auth Session Authentic Method] (dot1xAuthSessionAuthenticMethod)	int	The authentication method used to establish the session.
dot1xAuthSessionFramesRx [Dot 1 x Auth Session Frames Rx] (dot1xAuthSessionFramesRx)	long	The number of user data frames received on this Port during the session.
dot1xAuthSessionFramesTx [Dot 1 x Auth Session Frames Tx] (dot1xAuthSessionFramesTx)	long	The number of user data frames transmitted on this Port during the session.
dot1xAuthSessionOctetsRx [Dot 1 x Auth Session Octets Rx] (dot1xAuthSessionOctetsRx)	java. math. BigInteger	The number of octets received in user data frames on this Port during the session.

Table 845 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthSessionOctetsTx [Dot 1 x Auth Session Octets Tx] (dot1xAuthSessionOctetsTx)	java. math. BigInteger	The number of octets transmitted in user data frames on this Port during the session.
dot1xAuthSessionTerminateCause [Dot 1 x Auth Session Terminate Cause] (dot1xAuthSessionTerminateCause)	int	The reason for the session termination.
dot1xAuthSessionTime [Dot 1 x Auth Session Time] (dot1xAuthSessionTime)	long	The duration of the session in seconds.
<p>PaePortAuthenticatorStats</p> <p>MIB entry name: dot1xAuthStatsEntry</p> <p>Entry description: The statistics information for an Authenticator PAE.</p> <p>Table description (for dot1xAuthStatsTable): A table that contains the statistics objects for the Authenticator PAE associated with each Port. An entry appears in this table for each port that may authenticate access to itself.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort 		
dot1xAuthEapLengthErrorFramesRx [Dot 1 x Auth Eap Length Error Frames Rx] (dot1xAuthEapLengthErrorFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the Packet Body Length field is invalid.
dot1xAuthEapolFramesRx [Dot 1 x Auth Eapol Frames Rx] (dot1xAuthEapolFramesRx)	long	The number of valid EAPOL frames of any type that have been received by this Authenticator.

Table 845 pae802_1x statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dot1xAuthEapolFramesTx [Dot 1 x Auth Eapol Frames Tx] (dot1xAuthEapolFramesTx)	long	The number of EAPOL frames of any type that have been transmitted by this Authenticator.
dot1xAuthEapolLogoffFramesRx [Dot 1 x Auth Eapol Logoff Frames Rx] (dot1xAuthEapolLogoffFramesRx)	long	The number of EAPOL Logoff frames that have been received by this Authenticator.
dot1xAuthEapolReqFramesTx [Dot 1 x Auth Eapol Req Frames Tx] (dot1xAuthEapolReqFramesTx)	long	The number of EAP Request frames (other than Rq/Id frames) that have been transmitted by this Authenticator.
dot1xAuthEapolReqIdFramesTx [Dot 1 x Auth Eapol Req Id Frames Tx] (dot1xAuthEapolReqIdFramesTx)	long	The number of EAP Req/Id frames that have been transmitted by this Authenticator.
dot1xAuthEapolRespFramesRx [Dot 1 x Auth Eapol Resp Frames Rx] (dot1xAuthEapolRespFramesRx)	long	The number of valid EAP Response frames (other than Resp/Id frames) that have been received by this Authenticator.
dot1xAuthEapolRespIdFramesRx [Dot 1 x Auth Eapol Resp Id Frames Rx] (dot1xAuthEapolRespIdFramesRx)	long	The number of EAP Resp/Id frames that have been received by this Authenticator.
dot1xAuthEapolStartFramesRx [Dot 1 x Auth Eapol Start Frames Rx] (dot1xAuthEapolStartFramesRx)	long	The number of EAPOL Start frames that have been received by this Authenticator.
dot1xAuthInvalidEapolFramesRx [Dot 1 x Auth Invalid Eapol Frames Rx] (dot1xAuthInvalidEapolFramesRx)	long	The number of EAPOL frames that have been received by this Authenticator in which the frame type is not recognized.
dot1xAuthLastEapolFrameVersion [Dot 1 x Auth Last Eapol Frame Version] (dot1xAuthLastEapolFrameVersion)	long	The protocol version number carried in the most recently received EAPOL frame.

Table 846 rsvp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>RsvpSessionStats</p> <p>MIB entry name: vRtrRsvpSessionStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for an RSVP session. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrRsvpSessionStatTable): The vRtrRsvpSessionStatTable contains statistics for an RSVP session.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rsvp.Session</p>		
detourAge [Detour Age] (vRtrRsvpSessionDetourAge)	long	vRtrRsvpSessionDetourAge is the age (i.e., time from creation till now) of this detour LSP in 10-millisecond periods.
detourTimeUp [Detour Time Up] (vRtrRsvpSessionDetourTimeUp)	long	vRtrRsvpSessionDetourTimeUp is the total time in 10-millisecond units that the detour LSP has been operational.
pathsReceived [Paths Received] (vRtrRsvpSessionRxPaths)	java. math. BigInteger	The total number of RSVP PATH messages received for this RSVP session.
pathsTransmitted [Paths Transmitted] (vRtrRsvpSessionTxPaths)	java. math. BigInteger	The total number of RSVP PATH messages transmitted for this RSVP session.
refreshPathsReceived [Refresh Paths Received] (vRtrRsvpSessionRxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshPaths indicates the number of times PATH was refreshed using message ID from full PATH refresh or Srefresh message for this RSVP session.

Table 846 rsvp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
refreshPathsTransmitted [Refresh Paths Transmitted] (vRtrRsvpSessionTxSrefreshPaths)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshPaths indicates the number of times PATH refresh for the session was sent as a part of a Srefresh message.
refreshReservesReceived [Refresh Reserves Received] (vRtrRsvpSessionRxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionRxSrefreshResvs indicates the number of times RESV was refreshed using message ID from full RESV refresh or Srefresh message for this RSVP session.
refreshReservesTransmitted [Refresh Reserves Transmitted] (vRtrRsvpSessionTxSrefreshResvs)	java. math. BigInteger	The value of vRtrRsvpSessionTxSrefreshResvs indicates the number of times RESV refresh for the session was sent as a part of a Srefresh message.
reservesReceived [Reserves Received] (vRtrRsvpSessionRxResvs)	java. math. BigInteger	The total number of RSVP RESV messages received for this RSVP session.
reservesTransmitted [Reserves Transmitted] (vRtrRsvpSessionTxResvs)	java. math. BigInteger	The total number of RSVP RESV messages transmitted for this RSVP session.

Table 847 rtr statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpeCheckStats</p> <p>MIB entry name: vRtrInetStatRteCpeChkStatsEntry</p> <p>Entry description: Each row entry represents a collection of Customer-Provided Equipment (CPE) availability statistics for a virtual router static route in the system with non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrInetStatRteCpeChkStatsTable): The vRtrInetStatRteCpeChkStatsTable has an entry for each entry in the vRtrInetStaticRouteTable that has a non-default values set for the vRtrInetStaticRouteCpeAddrType and vRtrInetStaticRouteCpeAddr objects.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: rtr.StaticRoute</p>		
downTransitions [Down Transitions] (vRtrInetStatRteCpeChkDownTrans)	long	The value of vRtrInetStatRteCpeChkDownTrans indicates the number of times the CPE has transitioned to the unavailable state.
echoReplyPacketsReceived [Echo Reply Packets Received] (vRtrInetStatRteCpeChkInPktCnt)	long	The value of vRtrInetStatRteCpeChkInPktCnt indicates the number of echo-reply packets received.
echoRequestPacketsSent [Echo Request Packets Sent] (vRtrInetStatRteCpeChkOutPktCnt)	long	The value of vRtrInetStatRteCpeChkOutPktCnt indicates the number of echo-request packets sent.
hostUpDownTime [Host Up Down Time] (vRtrInetStatRteCpeChkUpTime)	long	The value of vRtrInetStatRteCpeChkUpTime indicates how long (in hundredths of a second) that the CPE has been available.
tTl [Ttl] (vRtrInetStatRteCpeChkTTL)	long	The value of vRtrInetStatRteCpeChkTTL indicates the time, in seconds, before the CPE will be declared down. Upon receipt of an echo reply, it has the value of vRtrInetStaticRouteCpeInterval * vRtrInetStaticRouteCpeDropCnt and is decremented by 1 every second.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
upTransitions [Up Transitions] (vRtrInetStatRteCpeChkUpTrans)	long	The value of vRtrInetStatRteCpeChkUpTrans indicates the number of times the CPE has transitioned to the available state.
<p>IpInterfaceStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • ies.GroupInterface • rtr.NetworkInterface • service.L3AccessInterface • vprn.GroupInterface • vprn.NetworkInterface 		
ifSpeed [If Speed] (vRtrIfSpeed)	java. math. BigInteger	The value of vRtrIfSpeed indicates an estimate of the current bandwidth in bits per second for this interface.
rxBytes [Rx Bytes] (vRtrIfRxBytes)	java. math. BigInteger	The value of vRtrIfRxBytes indicates the number of total bytes received by this interface.
rxBytesHigh32 [Rx Bytes High 32] (vRtrIfRxBytesHigh32)	long	The value of vRtrIfRxBytesHigh32 indicates the high 32 bits of the value of vRtrIfRxBytes.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
rxBytesLow32 [Rx Bytes Low 32] (vRtrIfRxBytesLow32)	long	The value of vRtrIfRxBytesLow32 indicates the lower 32 bits of the value of vRtrIfRxBytes.
rxPkts [Rx Pkts] (vRtrIfRxPkts)	java. math. BigInteger	The value of vRtrIfRxPkts indicates the number of total packets received by this interface.
rxPktsHigh32 [Rx Pkts High 32] (vRtrIfRxPktsHigh32)	long	The value of vRtrIfRxPktsHigh32 indicates the high 32 bits of the value of vRtrIfRxPkts.
rxPktsLow32 [Rx Pkts Low 32] (vRtrIfRxPktsLow32)	long	The value of vRtrIfRxPktsLow32 indicates the lower 32 bits of the value of vRtrIfRxPkts.
txV4Bytes [Tx V4 Bytes] (vRtrIfTxV4Bytes)	java. math. BigInteger	The value of vRtrIfTxV4Bytes indicates the number of total IPv4 bytes sent from this interface.
txV4BytesHigh32 [Tx V4 Bytes High 32] (vRtrIfTxV4BytesHigh32)	long	The value of vRtrIfTxV4BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Bytes.
txV4BytesLow32 [Tx V4 Bytes Low 32] (vRtrIfTxV4BytesLow32)	long	The value of vRtrIfTxV4BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Bytes.
txV4DiscardBytes [Tx V4 Discard Bytes] (vRtrIfTxV4DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV4DiscardBytes indicates the number of total IPv4 transmit bytes discarded by this interface.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV4DiscardBytesHigh32 [Tx V4 Discard Bytes High 32] (vRtrIfTxV4DiscardBytesHigh32)	long	The value of vRtrIfTxV4DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardBytesLow32 [Tx V4 Discard Bytes Low 32] (vRtrIfTxV4DiscardBytesLow32)	long	The value of vRtrIfTxV4DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardBytes.
txV4DiscardPktsHigh32 [Tx V4 Discard Pkts High 32] (vRtrIfTxV4DiscardPktsHigh32)	long	The value of vRtrIfTxV4DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4DiscardPktsLow32 [Tx V4 Discard Pkts Low 32] (vRtrIfTxV4DiscardPktsLow32)	long	The value of vRtrIfTxV4DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4DiscardPkts.
txV4Pkts [Tx V4 Pkts] (vRtrIfTxV4Pkts)	java. math. BigInteger	The value of vRtrIfTxV4Pkts indicates the number of total IPv4 packets sent from this interface.
txV4PktsHigh32 [Tx V4 Pkts High 32] (vRtrIfTxV4PktsHigh32)	long	The value of vRtrIfTxV4PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV4Pkts.
txV4PktsLow32 [Tx V4 Pkts Low 32] (vRtrIfTxV4PktsLow32)	long	The value of vRtrIfTxV4PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV4Pkts.
txV6Bytes [Tx V6 Bytes] (vRtrIfTxV6Bytes)	java. math. BigInteger	The value of vRtrIfTxV6Bytes indicates the number of total IPv6 bytes sent from this interface.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6BytesHigh32 [Tx V6 Bytes High 32] (vRtrIfTxV6BytesHigh32)	long	The value of vRtrIfTxV6BytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Bytes.
txV6BytesLow32 [Tx V6 Bytes Low 32] (vRtrIfTxV6BytesLow32)	long	The value of vRtrIfTxV6BytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Bytes.
txV6DiscardBytes [Tx V6 Discard Bytes] (vRtrIfTxV6DiscardBytes)	java. math. BigInteger	The value of vRtrIfTxV6DiscardBytes indicates the number of total IPv6 transmit bytes discarded by this interface.
txV6DiscardBytesHigh32 [Tx V6 Discard Bytes High 32] (vRtrIfTxV6DiscardBytesHigh32)	long	The value of vRtrIfTxV6DiscardBytesHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardBytesLow32 [Tx V6 Discard Bytes Low 32] (vRtrIfTxV6DiscardBytesLow32)	long	The value of vRtrIfTxV6DiscardBytesLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardBytes.
txV6DiscardPkts [Tx V6 Discard Pkts] (vRtrIfTxV6DiscardPkts)	java. math. BigInteger	The value of vRtrIfTxV6DiscardPkts indicates the number of total IPv6 transmit packets discarded by this interface.
txV6DiscardPktsHigh32 [Tx V6 Discard Pkts High 32] (vRtrIfTxV6DiscardPktsHigh32)	long	The value of vRtrIfTxV6DiscardPktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6DiscardPkts.
txV6DiscardPktsLow32 [Tx V6 Discard Pkts Low 32] (vRtrIfTxV6DiscardPktsLow32)	long	The value of vRtrIfTxV6DiscardPktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6DiscardPkts.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
txV6Pkts [Tx V6 Pkts] (vRtrIfTxV6Pkts)	java. math. BigInteger	The value of vRtrIfTxV6Pkts indicates the number of total IPv6 packets sent from this interface.
txV6PktsHigh32 [Tx V6 Pkts High 32] (vRtrIfTxV6PktsHigh32)	long	The value of vRtrIfTxV6PktsHigh32 indicates the high 32 bits of the value of vRtrIfTxV6Pkts.
txV6PktsLow32 [Tx V6 Pkts Low 32] (vRtrIfTxV6PktsLow32)	long	The value of vRtrIfTxV6PktsLow32 indicates the lower 32 bits of the value of vRtrIfTxV6Pkts.
<p>NetworkInterfaceURPFStats MIB entry name: vRtrIfStatsEntry Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted. Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • rtr.NetworkInterface • vprn.NetworkInterface 		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.
<p>RouteStats</p> <p>MIB entry name: vRtrStatEntry</p> <p>Entry description: Each row entry represents a collection of statistics for a virtual router in the system. Entries cannot be created and deleted via SNMP SET operations.</p> <p>Table description (for vRtrStatTable): The vRtrStatTable has an entry for each virtual router configured in the system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • rtr.VirtualRouter • vprn.DVRSSite • vprn.RoutingInstanceSite • vprn.Site 		
activeARPEntries [Active ARPEntries] (vRtrStatActiveARPEntries)	long	vRtrStatActiveARPEntries indicates the number of active ARP entries for the specified virtual router in the system.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
activeBgpTunnels [Active Bgp Tunnels] (vRtrStatActiveBgpTunnels)	long	vRtrStatActiveBgpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'bgp'.
aggregateActiveRoutes [Aggregate Active Routes] (vRtrAggregateActiveRoutes)	long	vRtrAggregateActiveRoutes indicates the current number of active aggregate routes for this instance of the route table.
aggregateRoutes [Aggregate Routes] (vRtrAggregateRoutes)	long	vRtrAggregateRoutes indicates the current number of aggregate routes for this instance of the route table.
bgpActiveRoutes [Bgp Active Routes] (vRtrBGPAciveRoutes)	long	vRtrBGPActiveRoutes indicates the current number of active bgp routes for this instance of the route table.
bgpRoutes [Bgp Routes] (vRtrBGPRoutes)	long	vRtrBGPRoutes indicates the current number of bgp routes for this instance of the route table.
bgpVpnActiveRoutes [Bgp Vpn Active Routes] (vRtrStatBGPVpnActiveRoutes)	long	vRtrStatBGPVpnActiveRoutes indicates the current number of active VPN-IPV4 routes learned by MP-BGP for this virtual router.
bgpVpnRoutes [Bgp Vpn Routes] (vRtrStatBGPVpnRoutes)	long	vRtrStatBGPVpnRoutes indicates the current number of VPN-IPV4 routes learned by MP-BGP for this virtual router.
directActiveRoutes [Direct Active Routes] (vRtrDirectActiveRoutes)	long	vRtrDirectActiveRoutes indicates the current number of active direct routes for this instance of the route table.
directRoutes [Direct Routes] (vRtrDirectRoutes)	long	vRtrDirectRoutes indicates the current number of direct routes for this instance of the route table.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
illegalLabelsReceived [Illegal Labels Received] (vRtrStatIllegalLabels)	long	vRtrStatIllegalLabels indicates the number of illegally received labels on this virtual router.
isisActiveRoutes [Isis Active Routes] (vRtrISISActiveRoutes)	long	vRtrISISActiveRoutes indicates the current number of active isis routes for this instance of the route table.
isisRoutes [Isis Routes] (vRtrISISRoutes)	long	vRtrISISRoutes indicates the current number of isis routes for this instance of the route table.
ldpActiveTunnels [Ldp Active Tunnels] (vRtrStatActiveLdpTunnels)	long	vRtrStatActiveLdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'ldp'.
ldpTunnels [Ldp Tunnels] (vRtrStatTotalLdpTunnels)	long	vRtrStatTotalLdpTunnels indicates the current number of both active and inactive LDP tunnels.
multicastRoutes [Multicast Routes] (vRtrMulticastRoutes)	long	vRtrMulticastRoutes indicates the current number of rows in the vRtrPimNgGrpSrcTable.
ospfActiveRoutes [Ospf Active Routes] (vRtrOSPFActiveRoutes)	long	vRtrOSPFActiveRoutes indicates the current number of active ospf routes for this instance of the route table.
ospfRoutes [Ospf Routes] (vRtrOSPFRoutes)	long	vRtrOSPFRoutes indicates the current number of ospf routes for this instance of the route table.
ripActiveRoutes [Rip Active Routes] (vRtrRIPActiveRoutes)	long	vRtrRIPActiveRoutes indicates the current number of active rip routes for this instance of the route table.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ripRoutes [Rip Routes] (vRtrRIPRoutes)	long	vRtrRIPRoutes indicates the current number of rip routes for this instance of the route table.
routerInterfacesActive [Router Interfaces Active] (vRtrStatActiveIfs)	long	vRtrStatActiveIfs indicates the current number of router interfaces with vRtrIfAdminState equal 'inService' on this virtual router.
routerInterfacesConfigured [Router Interfaces Configured] (vRtrStatConfiguredIfs)	long	vRtrStatConfiguredIfs indicates the current number of router interfaces configured on this virtual router.
routesInVrf [Routes In Vrf] (vRtrStatCurrNumRoutes)	long	vRtrStatCurrNumRoutes indicates the current number of routes in the VRF for this virtual router.
sdpActiveTunnels [Sdp Active Tunnels] (vRtrStatActiveSdpTunnels)	long	vRtrStatActiveSdpTunnels indicates the current number of rows in the vRtrTunnelTable where vRtrTunnelType has a value of 'sdp'.
sdpTunnels [Sdp Tunnels] (vRtrStatTotalSdpTunnels)	long	vRtrStatTotalSdpTunnels indicates the current number of both active and inactive SDP tunnels.
staticActiveRoutes [Static Active Routes] (vRtrStaticActiveRoutes)	long	vRtrStaticActiveRoutes indicates the current number of active static routes for this instance of the route table.
staticRoutes [Static Routes] (vRtrStaticRoutes)	long	vRtrStaticRoutes indicates the current number of static routes for this instance of the route table.
totalARPEntries [Total ARPEntries] (vRtrStatTotalARPEntries)	long	vRtrStatTotalARPEntries indicates the total number of active and inactive ARP entries for the specified virtual router in the system.

Table 847 rtr statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
totalBgpTunnels [Total Bgp Tunnels] (vRtrStatTotalBgpTunnels)	long	vRtrStatTotalBgpTunnels indicates the current number of both active and inactive BGP tunnels.

Table 848 sas statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SrvConnsStats</p> <p>MIB entry name: tmnxTwampSrvConnStatsEntry</p> <p>Entry description: tmnxTwampSrvConnStatsEntry contains the statistics for the TWAMP control connection specified by the index values. A row is created by the system when a TWAMP control connection is established.</p> <p>Table description (for tmnxTwampSrvConnStatsTable): tmnxTwampSrvConnStatsTable contains the statistics for each active control connection managed by the TWAMP server.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sas.PrefixSrv</p>		
clientAddr [Client Addr] (tmnxTwampSrvConnClientAddr)	String	The value of tmnxTwampSrvConnClientAddr specifies the TWAMP client's address. This is the fifth index for tmnxTwampSrvConnStatsTable.
clientAddrType [Client Addr Type] (tmnxTwampSrvConnClientAddrType)	int	The value of tmnxTwampSrvConnClientAddrType specifies the type of tmnxTwampSrvConnClientAddr. This is the fourth index for tmnxTwampSrvConnStatsTable.
connIdleTime [Conn Idle Time] (tmnxTwampSrvConnIdleTime)	long	The value of tmnxTwampSrvConnIdleTime specifies the elapsed time, in seconds, since a TWAMP message was received on this control connection. When this value exceeds tmnxTwampSrvInactTimeout, the connection will be torn down.
connSessionCount [Conn Session Count] (tmnxTwampSrvConnSessionCount)	long	The value of tmnxTwampSrvConnSessionCount indicates, for the connection specified by the index values, the number of currently in-progress TWAMP test sessions.
connState [Conn State] (tmnxTwampSrvConnState)	int	The value of tmnxTwampSrvConnState indicates the operational state of a control connection managed by the TWAMP server. Code points: settingUp(1) - the connection is being established ready(2) - the connection is ready to accept test sessions running(3) - the connection is running a test.

Table 848 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
connTestPacketsRx [Conn Test Packets Rx] (tmnxTwampSrvConnTestPacketsRx)	long	The value of tmnxTwampSrvConnTestPacketsRx indicates, for the connection specified by the index values, the number of TWAMP test packets received by the TWAMP server.
connTestPacketsTx [Conn Test Packets Tx] (tmnxTwampSrvConnTestPacketsTx)	long	The value of tmnxTwampSrvConnTestPacketsTx indicates, for the connection specified by the index values, the number of TWAMP test packets sent by the TWAMP server.
connTestSessComplete [Conn Test Sess Complete] (tmnxTwampSrvConnTestSessComplete)	long	The value of tmnxTwampSrvConnTestSessComplete indicates, for the connection specified by the index values, the number of test sessions completed by the TWAMP server.
connTestSessRejected [Conn Test Sess Rejected] (tmnxTwampSrvConnTestSessRejected)	long	The value of tmnxTwampSrvConnTestSessRejected indicates, for the connection specified by the index values, the number of test sessions rejected by the TWAMP server.
prefixAddr [Prefix Addr] (tmnxTwampSrvPrefixAddr)	String	The value of tmnxTwampSrvPrefixAddr specifies, in conjunction with tmnxTwampSrvPrefixAddrType and tmnxTwampSrvPrefixLen, a prefix to be matched against a TWAMP client address. This is the second index for tmnxTwampSrvPrefixTable.
prefixAddrType [Prefix Addr Type] (tmnxTwampSrvPrefixAddrType)	int	The value of tmnxTwampSrvPrefixAddrType specifies the type of tmnxTwampSrvPrefixAddr. This is the first index for tmnxTwampSrvPrefixTable.
prefixLen [Prefix Len] (tmnxTwampSrvPrefixLen)	int	The value of tmnxTwampSrvPrefixLen specifies the number of bits to match when comparing a TWAMP client address in an incoming message to tmnxTwampSrvPrefixAddr. This is the third index for tmnxTwampSrvPrefixTable. Best-fit is used when matching a TWAMP client's IP address against the set of configured prefixes. For example, suppose the first row of this table has the prefix 138.120.0.0/16, and the second row has the prefix 138.120.214.0/24. The TWAMP client address 138.120.214.52 matches the second row.

Table 848 sas statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
seqNum [Seq Num] (tmnxTwampSrvConnSeqNum)	int	The value of tmnxTwampSrvConnSeqNum specifies this control connection's sequence number. This is the sixth index for tmnxTwampSrvConnStatsTable - it allows n>1 rows (i.e. n>1 connections) for one client.

Table 849 service statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>L3AccessInterfaceURPFStats</p> <p>MIB entry name: vRtrIfStatsEntry</p> <p>Entry description: Each row entry represents the statistics per virtual router interface. Entries are created and deleted when entries in the vRtrIfEntry are created and deleted.</p> <p>Table description (for vRtrIfStatsTable): The vRtrIfStatsTable table contains statistics per virtual router interface.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: service.L3AccessInterface</p>		
uRPFCheckFailPkts [URPFCheck Fail Pkts] (vRtrIfuRPFCheckFailPkts)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailPkts indicates the number of packets that fail uRPF check on this interface.
uRPFCheckFailPktsHigh32 [URPFCheck Fail Pkts High 32] (vRtrIfuRPFCheckFailPktsHigh32)	long	The value of vRtrIfuRPFCheckFailPktsHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailPkts.
uRPFCheckFailPktsLow32 [URPFCheck Fail Pkts Low 32] (vRtrIfuRPFCheckFailPktsLow32)	long	The value of vRtrIfuRPFCheckFailPktsLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailPkts.
vRtrIfuRPFCheckFailBytes [VRtr Ifu RPFCheck Fail Bytes] (vRtrIfuRPFCheckFailBytes)	java. math. BigInteger	The value of vRtrIfuRPFCheckFailBytes indicates the number of bytes in the packets that fail uRPF check.
vRtrIfuRPFCheckFailBytesHigh32 [VRtr Ifu RPFCheck Fail Bytes High 32] (vRtrIfuRPFCheckFailBytesHigh32)	long	The value of vRtrIfuRPFCheckFailBytesHigh32 indicates the high 32 bits of the value of vRtrIfuRPFCheckFailBytes.
vRtrIfuRPFCheckFailBytesLow32 [VRtr Ifu RPFCheck Fail Bytes Low 32] (vRtrIfuRPFCheckFailBytesLow32)	long	The value of vRtrIfuRPFCheckFailBytesLow32 indicates the lower 32 bits of the value of vRtrIfuRPFCheckFailBytes.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapBaseStats</p> <p>MIB entry name: sapBaseStatsEntry</p> <p>Entry description: Basic statistics about a specific SAP.</p> <p>Table description (for sapBaseStatsTable): A table that contains basic SAP statistics. In the descriptions below 'Pchip' refers to the Alcatel-Lucent SROS series Packet Processing chip, while 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded [Authentication Packets Discarded] (sapBaseStatsAuthenticationPktsDiscarded)	long	The number of DHCP packets discarded as result of authentication.
authenticationPacketsSuccessful [Authentication Packets Successful] (sapBaseStatsAuthenticationPktsSuccess)	long	The number of DHCP packets successfully authenticated.
customerId [Customer Id] (sapBaseStatsCustId)	long	The Customer ID for the associated service.
egressQChipDroppedInProfOctets [Egress QChip Dropped In Prof Octets] (sapBaseStatsEgressQchipDroppedInProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
egressQChipDroppedInProfPackets [Egress QChip Dropped In Prof Packets] (sapBaseStatsEgressQchipDroppedInProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfOctets [Egress QChip Dropped Out Prof Octets] (sapBaseStatsEgressQchipDroppedOutProfOctets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipDroppedOutProfPackets [Egress QChip Dropped Out Prof Packets] (sapBaseStatsEgressQchipDroppedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
egressQChipForwardedInProfOctets [Egress QChip Forwarded In Prof Octets] (sapBaseStatsEgressQchipForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedInProfPackets [Egress QChip Forwarded In Prof Packets] (sapBaseStatsEgressQchipForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfOctets [Egress QChip Forwarded Out Prof Octets] (sapBaseStatsEgressQchipForwardedOutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
egressQChipForwardedOutProfPackets [Egress QChip Forwarded Out Prof Packets] (sapBaseStatsEgressQchipForwardedOutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipDroppedOctets [Ingress PChip Dropped Octets] (sapBaseStatsIngressPchipDroppedOctets)	java. math. BigInteger	The number of octets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipDroppedPackets [Ingress PChip Dropped Packets] (sapBaseStatsIngressPchipDroppedPackets)	java. math. BigInteger	The number of packets dropped by the ingress Pchip due to: SAP state, ingress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
ingressPChipOfferedHiPrioOctets [Ingress PChip Offered Hi Prio Octets] (sapBaseStatsIngressPchipOfferedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedHiPrioPackets [Ingress PChip Offered Hi Prio Packets] (sapBaseStatsIngressPchipOfferedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioOctets [Ingress PChip Offered Lo Prio Octets] (sapBaseStatsIngressPchipOfferedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedLoPrioPackets [Ingress PChip Offered Lo Prio Packets] (sapBaseStatsIngressPchipOfferedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressPChipOfferedUncoloredOctets [Ingress PChip Offered Uncolored Octets] (sapBaseStatsIngressPchipOfferedUncoloredOctets)	java. math. BigInteger	The number of uncolored octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressPChipOfferedUncoloredPackets [Ingress PChip Offered Uncolored Packets] (sapBaseStatsIngressPchipOf- feredUncoloredPackets)	java. math. BigInte- ger	The number of uncolored packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
ingressQChipDroppedHiPrioOctets [Ingress QChip Dropped Hi Prio Octets] (sapBaseStatsIngressQchip- DroppedHiPrioOctets)	java. math. BigInte- ger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedHiPrioPackets [Ingress QChip Dropped Hi Prio Packets] (sapBaseStatsIngressQchip- DroppedHiPrioPackets)	java. math. BigInte- ger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioOctets [Ingress QChip Dropped Lo Prio Octets] (sapBaseStatsIngressQchip- DroppedLoPrioOctets)	java. math. BigInte- ger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipDroppedLoPrioPackets [Ingress QChip Dropped Lo Prio Packets] (sapBaseStatsIngressQchip- DroppedLoPrioPackets)	java. math. BigInte- ger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
ingressQChipForwardedInProfOctets [Ingress QChip Forwarded In Prof Octets] (sapBaseStatsIngressQchipFor- wardedInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
ingressQChipForwardedInProfPackets [Ingress QChip Forwarded In Prof Packets] (sapBaseStatsIngressQchipFor- wardedInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressQChipForwardedOutProfOctets [Ingress QChip Forwarded Out Prof Octets] (sapBaseStatsIngressQchipFor- wardedOutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
ingressQChipForwardedOutProfPackets [Ingress QChip Forwarded Out Prof Packets] (sapBaseStatsIngressQchipFor- wardedOutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
<p>SapEgrEGBaseStats MIB entry name: sapEgrEGBaseStEntry Entry description: Egress statistics about a specific Encap Group of a SAP. Table description (for sapEgrEGBaseStTable): The sapEgrEGBaseStTable contains egress Encap Group basic SAP statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGBaseStCustId)	long	The value of sapEgrEGBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGBaseStQcDpdInPfOcts)	java. math. BigInte- ger	The value of sapEgrEGBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdInPfPkts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGBaseStQcFwdOutPfPkts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGMbrBaseStats</p> <p>MIB entry name: sapEgrEGMbrBaseStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member of a SAP.</p> <p>Table description (for sapEgrEGMbrBaseStTable): The sapEgrEGMbrBaseStTable that contains basic Encap Group statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. In the descriptions below 'Qchip' refers to the Alcatel-Lucent SROS series QoS Queueing Engine chip.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrBaseStCustId)	long	The value of sapEgrEGMbrBaseStCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrBaseStQcDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfOcts indicates the number of in-profile octets dropped by the egress Qchip due to: SAP state, egress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrBaseStQcDpdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrBaseStQcDpdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrBaseStQcDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdInPfPkts indicates the number of in-profile packets dropped by the egress Qchip due to: SAP state, gress MAC, IP or IPv6 filter, same segment discard, bad checksum, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrBaseStQcDpdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrBaseStQcDpdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrBaseStQcDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrBaseStQcDpdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrBaseStQcDpdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrBaseStQcDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrBaseStQcDpdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrBaseStQcDpdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcDpdOutPfPkts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrBaseStQcFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrBaseStQcFwdInPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrBaseStQcFwdInPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrBaseStQcFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrBaseStQcFwdInPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrBaseStQcFwdInPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrBaseStQcFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrBaseStQcFwdOutPfOctsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrBaseStQcFwdOutPfOctsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrBaseStQcFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrBaseStQcFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrBaseStQcFwdOutPfPktsH)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrBaseStQcFwdOutPfPktsL)	long	The value of sapEgrEGMbrBaseStQcFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrBaseStQcFwdOutPfPkts.
lastClearedTime [Last Cleared Time] (sapEgrEGMbrBaseStLstClearedTime)	String	The value of sapEgrEGMbrBaseStLstClearedTime indicates the sysUpTime when the counters in this table were last cleared.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
<p>SapEgrEGMbrQueueStats MIB entry name: sapEgrEGMbrQueueStEntry Entry description: Egress QoS queue statistics about a specific Encap group member of a SAP. Table description (for sapEgrEGMbrQueueStTable): The sapEgrEGMbrQueueStTable contains egress Encap Group member queue statistics per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
custId [Cust Id] (sapEgrEGMbrQueueCustId)	long	The value of sapEgrEGMbrQueueCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGMbrQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGMbrQueueStDpdInPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGMbrQueueStDpdInPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGMbrQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGMbrQueueStDpdInPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGMbrQueueStDpdInPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGMbrQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGMbrQueueStDpdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGMbrQueueStDpdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGMbrQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGMbrQueueStDpdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGMbrQueueStDpdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGMbrQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGMbrQueueStFwdInPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGMbrQueueStFwdInPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfOcts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGMbrQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGMbrQueueStFwdInPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGMbrQueueStFwdInPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGMbrQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGMbrQueueStFwdOutPfOctsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGMbrQueueStFwdOutPfOctsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfOcts.
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGMbrQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGMbrQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGMbrQueueStFwdOutPfPktsH)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGMbrQueueStFwdOutPfPktsL)	long	The value of sapEgrEGMbrQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGMbrQueueStFwdOutPfPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
queueId [Queue Id] (sapEgrEGMbrQueueId)	long	The value of sapEgrEGMbrQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGMbrSchedStats MIB entry name: sapEgrEGMbrSchedStEntry Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group member of SAP. Table description (for sapEgrEGMbrSchedStTable): The sapEgrEGMbrSchedStTable contains egress encapsulation group QoS scheduler SAP per member. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGMbrSchedCustId)	long	The value of sapEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapEgrEGMbrSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octs H] (sapEgrEGMbrSchedStFwdOctsH)	long	The value of sapEgrEGMbrSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdOctsL [Fwd Octs L] (sapEgrEGMbrSchedStFwdOctsL)	long	The value of sapEgrEGMbrSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGMbrSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGMbrSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGMbrSchedStFwdPktsH)	long	The value of sapEgrEGMbrSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGMbrSchedStFwdPktsL)	long	The value of sapEgrEGMbrSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGMbrSchedStFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapEgrEGMbrSchedStName)	String	The sapEgrEGMbrSchedStName specifies the name of the egress QoS scheduler of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrEGQueueStats</p> <p>MIB entry name: sapEgrEGQueueStEntry</p> <p>Entry description: Egress QoS queue statistics about a specific Encap group of a SAP.</p> <p>Table description (for sapEgrEGQueueStTable): The sapEgrEGQueueStTable contains egress Encap Group queue statistics at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGCustId)	long	The value of sapEgrEGCustId indicates the Customer ID for the associated service.
dpdInPfOcts [Dpd In Pf Octs] (sapEgrEGQueueStDpdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfOcts indicates the number of in-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfOctsH [Dpd In Pf Octs H] (sapEgrEGQueueStDpdInPfOctsH)	long	The value of sapEgrEGQueueStDpdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfOctsL [Dpd In Pf Octs L] (sapEgrEGQueueStDpdInPfOctsL)	long	The value of sapEgrEGQueueStDpdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfOcts.
dpdInPfPkts [Dpd In Pf Pkts] (sapEgrEGQueueStDpdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdInPfPkts indicates the number of in-profile packets discarded by the egress Queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdInPfPktsH [Dpd In Pf Pkts H] (sapEgrEGQueueStDpdInPfPktsH)	long	The value of sapEgrEGQueueStDpdInPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
dpdInPfPktsL [Dpd In Pf Pkts L] (sapEgrEGQueueStDpdInPfPktsL)	long	The value of sapEgrEGQueueStDpdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdInPfPkts.
dpdOutPfOcts [Dpd Out Pf Octs] (sapEgrEGQueueStDpdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfOcts indicates the number of out-of-profile octets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded, etc.
dpdOutPfOctsH [Dpd Out Pf Octs H] (sapEgrEGQueueStDpdOutPfOctsH)	long	The value of sapEgrEGQueueStDpdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfOctsL [Dpd Out Pf Octs L] (sapEgrEGQueueStDpdOutPfOctsL)	long	The value of sapEgrEGQueueStDpdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfOcts.
dpdOutPfPkts [Dpd Out Pf Pkts] (sapEgrEGQueueStDpdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStDpdOutPfPkts indicates the number of out-of-profile packets discarded by the egress queue due to: MBS exceeded, buffer pool limit exceeded etc.
dpdOutPfPktsH [Dpd Out Pf Pkts H] (sapEgrEGQueueStDpdOutPfPktsH)	long	The value of sapEgrEGQueueStDpdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
dpdOutPfPktsL [Dpd Out Pf Pkts L] (sapEgrEGQueueStDpdOutPfPktsL)	long	The value of sapEgrEGQueueStDpdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStDpdOutPfPkts.
fwdInPfOcts [Fwd In Pf Octs] (sapEgrEGQueueStFwdInPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfOcts indicates the number of in-profile octets (rate below CIR) forwarded by the egress queue.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdInPfOctsH [Fwd In Pf Octs H] (sapEgrEGQueueStFwdInPfOctsH)	long	The value of sapEgrEGQueueStFwdInPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfOctsL [Fwd In Pf Octs L] (sapEgrEGQueueStFwdInPfOctsL)	long	The value of sapEgrEGQueueStFwdInPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfOcts.
fwdInPfPkts [Fwd In Pf Pkts] (sapEgrEGQueueStFwdInPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdInPfPkts indicates the number of in-profile packets (rate below CIR) forwarded by the egress queue.
fwdInPfPktsH [Fwd In Pf Pkts H] (sapEgrEGQueueStFwdInPfPktsH)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the higher 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdInPfPktsL [Fwd In Pf Pkts L] (sapEgrEGQueueStFwdInPfPktsL)	long	The value of sapEgrEGQueueStFwdInPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdInPfPkts.
fwdOutPfOcts [Fwd Out Pf Octs] (sapEgrEGQueueStFwdOutPfOcts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfOcts indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress queue.
fwdOutPfOctsH [Fwd Out Pf Octs H] (sapEgrEGQueueStFwdOutPfOctsH)	long	The value of sapEgrEGQueueStFwdOutPfOctsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.
fwdOutPfOctsL [Fwd Out Pf Octs L] (sapEgrEGQueueStFwdOutPfOctsL)	long	The value of sapEgrEGQueueStFwdOutPfOctsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfOcts.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOutPfPkts [Fwd Out Pf Pkts] (sapEgrEGQueueStFwdOutPfPkts)	java. math. BigInteger	The value of sapEgrEGQueueStFwdOutPfPkts indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress queue.
fwdOutPfPktsH [Fwd Out Pf Pkts H] (sapEgrEGQueueStFwdOutPfPktsH)	long	The value of sapEgrEGQueueStFwdOutPfPktsH indicates the higher 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
fwdOutPfPktsL [Fwd Out Pf Pkts L] (sapEgrEGQueueStFwdOutPfPktsL)	long	The value of sapEgrEGQueueStFwdOutPfPktsL indicates the lower 32 bits of the value of sapEgrEGQueueStFwdOutPfPkts.
queueId [Queue Id] (sapEgrEGQueueId)	long	The value of sapEgrEGQueueId indicates the index of the egress QoS queue of this SAP.
<p>SapEgrEGSchedStats</p> <p>MIB entry name: sapEgrEGSchedStEntry</p> <p>Entry description: Egress statistics about a specific QoS scheduler instantiated per encapsulation group of SAP.</p> <p>Table description (for sapEgrEGSchedStTable): The sapEgrEGSchedStTable contains egress encapsulation group QoS scheduler SAP at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapEgrEGSchedCustId)	long	The value of sapEgrEGSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octets] (sapEgrEGSchedStFwdOcts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdOcts indicates the number of octets forwarded by the egress QoS scheduler of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOctsH [Fwd Octets H] (sapEgrEGSchedStFwdOctsH)	long	The value of sapEgrEGSchedStFwdOctsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdOctsL [Fwd Octets L] (sapEgrEGSchedStFwdOctsL)	long	The value of sapEgrEGSchedStFwdOctsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdOcts.
fwdPkts [Fwd Pkts] (sapEgrEGSchedStFwdPkts)	java. math. BigInteger	The value of sapEgrEGSchedStFwdPkts indicates the number of packets forwarded by the egress QoS scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapEgrEGSchedStFwdPktsH)	long	The value of sapEgrEGSchedStFwdPktsH indicates the higher 32 bits of the value of sapEgrEGSchedStFwdPkts.
fwdPktsL [Fwd Pkts L] (sapEgrEGSchedStFwdPktsL)	long	The value of sapEgrEGSchedStFwdPktsL indicates the lower 32 bits of the value of sapEgrEGSchedStFwdPkts.
<p>SapEgrQosPlyQueueStats</p> <p>MIB entry name: sapEgrQosPlyQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapEgrQosPlyQueueStatsTable): A table that contains egress QoS queue SAP statistics per Egress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyQueueStatsDroppedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfOctets indicates the number in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyQueueStatsDroppedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedInProfPackets indicates the number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyQueueStatsDroppedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfOctets indicates the number out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyQueueStatsDroppedOutProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsDroppedOutProfPackets indicates the number out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyQueueStatsForwardedInProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyQueueStatsForwardedInProfPackets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyQueueStatsForwardedOutProfOctets)	java. math. BigInteger	The value of sapEgQosPlcyQueueStatsForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapEgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyQueuePlcyId)	long	The row index in the tSapEgressTable corresponding to this egress QoS policy.
queueId [Queue Id] (sapEgQosPlcyQueueId)	long	The value of sapEgQosPlcyQueueId indicates index of the egress QoS queue of this SAP.
<p>SapEgrQosPlcyStats</p> <p>MIB entry name: sapEgrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Egress QoS Policy applied on a specific SAP.</p> <p>Table description (for sapEgrQosPlcyStatsTable): A table that contains Egress QoS policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedInProfOctets [Dropped In Prof Octets] (sapEgQosPlcyDroppedInProfOctets)	java. math. BigInte- ger	The value of the object sapEgQosPlcyDroppedInProfOctets indicates the number of in-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedInProfPackets [Dropped In Prof Packets] (sapEgQosPlcyDroppedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedInProfPackets indicates the number of in-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgQosPlcyDroppedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfOctets indicates the number of out-profile octets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgQosPlcyDroppedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyDroppedOutProfPackets indicates the number of out-profile packets, as determined by the SAP egress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgQosPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgQosPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgQosPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgQosPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapEgQosPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
policyId [Policy Id] (sapEgQosPlcyId)	long	The value of the object sapEgQosPlcyId indicates the row index in the tSapEgressTable corresponding to this egress QoS policy, or one if no policy is specified.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosQueueStats</p> <p>MIB entry name: sapEgrQosQueueStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosQueueStatsTable): A table that contains egress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosCustId)	long	The Customer ID for the associated service.
droppedInProfOctets [Dropped In Prof Octets] (sapEgrQosQueueStatsDroppedIn-ProfOctets)	java. math. BigInteger	The number of in-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedInProfPackets [Dropped In Prof Packets] (sapEgrQosQueueStatsDroppedIn-ProfPackets)	java. math. BigInteger	The number of in-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedOutProfOctets [Dropped Out Prof Octets] (sapEgrQosQueueStatsDropped-OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedOutProfPackets [Dropped Out Prof Packets] (sapEgrQosQueueStatsDropped- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets discarded by the egress Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapEgrQosQueueStatsForward- edInProfOctets)	java. math. BigInte- ger	The number of in-profile octets (rate below CIR) forwarded by the egress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapEgrQosQueueStatsForward- edInProfPackets)	java. math. BigInte- ger	The number of in-profile packets (rate below CIR) forwarded by the egress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapEgrQosQueueStatsForwarded- OutProfOctets)	java. math. BigInte- ger	The number of out-of-profile octets (rate above CIR) forwarded by the egress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapEgrQosQueueStatsForwarded- OutProfPackets)	java. math. BigInte- ger	The number of out-of-profile packets (rate above CIR) forwarded by the egress Qchip.
queueId [Queue Id] (sapEgrQosQueueId)	long	The index of the egress QoS queue of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrQosSchedStats</p> <p>MIB entry name: sapEgrQosSchedStatsEntry</p> <p>Entry description: Egress statistics about a specific SAP's QoS queue.</p> <p>Table description (for sapEgrQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapEgrQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapEgrQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets by the egress Qchip, as determined by the SAP egress scheduler policy.
qosSchedName [Qos Sched Name] (sapEgrQosSchedName)	String	The index of the egress QoS scheduler of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyPortStats</p> <p>MIB entry name: sapEgrSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyPortStatsTable): The sapEgrSchedPlcyPortStatsTable contains egress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapEgrSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP egress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortIdEgrPortId)	long	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmNxPortID of the member-port on which the scheduler is applied.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapEgrSchedPlcyStats</p> <p>MIB entry name: sapEgrSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's egress QoS scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapEgrSchedPlcyStatsTable): A table that contains egress QoS scheduler statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapEgrSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of octets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.
forwardedPackets [Forwarded Packets] (sapEgrSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of packets forwarded by the egress Qchip, as determined by the SAP egress scheduler policy.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngQosPlcyQueueStats</p> <p>MIB entry name: sapIngQosPlcyQueueStatsEntry</p> <p>Entry description: Ingress statistics about a specific SAP's QoS queue for a given QoS policy.</p> <p>Table description (for sapIngQosPlcyQueueStatsTable): A table that contains ingress QoS queue SAP statistics, per Ingress QoS Policy the queue was used by. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosPlcyQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosPlcyQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosPlcyQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosPlcyQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The value of sapIngQosPlcyQueueStatsDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedInProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedInProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsFor- wardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIlgQosPlcyQueueStatsOffere- dHiPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioOctets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIlgQosPlcyQueueStatsOf- feredLoPrioPackets)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsOfferedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
policyId [Policy Id] (sapIlgQosPlcyQueuePlcyId)	long	The value of the object sapIlgQosPlcyQueuePlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy.
queueId [Queue Id] (sapIlgQosPlcyQueueId)	long	The index of the ingress QoS queue of this SAP used by the policy indicated by sapIlgQosPlcyQueuePlcyId.
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIlgQosPlcyQueueStatsUncol- oredOctetsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncoloredOctetsOffered indicates the number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIlgQosPlcyQueueStatsUncol- oredPacketsOffered)	java. math. BigInte- ger	The value of sapIlgQosPlcyQueueStatsUncoloredPacketsOffered indicates the number of uncolored packets offered to the ingress Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngrQosPlcyStats</p> <p>MIB entry name: sapIngrQosPlcyStatsEntry</p> <p>Entry description: Statistics about a specific Ingress Qos Policy applied on a specific SAP.</p> <p>Table description (for sapIngrQosPlcyStatsTable): A table that contains Ingress Qos policy related statistics for a SAP. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIlgQosPlcyDroppedHiPrioOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedHiPrioOctets indicates the number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIlgQosPlcyDroppedHiPrioPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedHiPrioPackets indicates the number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIlgQosPlcyDroppedLoPrioOctets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedLoPrioOctets indicates the number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIlgQosPlcyDroppedLoPrioPackets)	java. math. BigInteger	The value of the object sapIlgQosPlcyDroppedLoPrioPackets indicates the number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInProfOctets [Forwarded In Prof Octets] (sapIlgQoSPlcyForwardedInProfOctets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedInProfOctets indicates the number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIlgQoSPlcyForwardedInProfPackets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedInProfPackets indicates the number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIlgQoSPlcyForwardedOutProfOctets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedOutProfOctets indicates the number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIlgQoSPlcyForwardedOutProfPackets)	java. math. BigInteger	The value of the object sapIlgQoSPlcyForwardedOutProfPackets indicates the number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
policyId [Policy Id] (sapIlgQoSPlcyId)	long	The value of the object sapIlgQoSPlcyId indicates the row index in the tSapIngressTable corresponding to this ingress QoS policy, or one if no policy is specified.
<p>SapIlgQoSQueueStats MIB entry name: sapIlgQoSQueueStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIlgQoSQueueStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
customerId [Customer Id] (sapIngQosCustId)	long	The Customer ID for the associated service.
droppedHiPrioOctets [Dropped Hi Prio Octets] (sapIngQosQueueStatsDroppedHiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedHiPrioPackets [Dropped Hi Prio Packets] (sapIngQosQueueStatsDroppedHiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioOctets [Dropped Lo Prio Octets] (sapIngQosQueueStatsDroppedLoPrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
droppedLoPrioPackets [Dropped Lo Prio Packets] (sapIngQosQueueStatsDroppedLoPrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, dropped by the Qchip due to: MBS exceeded, buffer pool limit exceeded, etc.
forwardedInProfOctets [Forwarded In Prof Octets] (sapIngQosQueueStatsForwardedInProfOctets)	java. math. BigInteger	The number of in-profile octets (rate below CIR) forwarded by the ingress Qchip.
forwardedInProfPackets [Forwarded In Prof Packets] (sapIngQosQueueStatsForwardedInProfPackets)	java. math. BigInteger	The number of in-profile packets (rate below CIR) forwarded by the ingress Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedOutProfOctets [Forwarded Out Prof Octets] (sapIngQosQueueStatsForwarded- OutProfOctets)	java. math. BigInteger	The number of out-of-profile octets (rate above CIR) forwarded by the ingress Qchip.
forwardedOutProfPackets [Forwarded Out Prof Packets] (sapIngQosQueueStatsForwarded- OutProfPackets)	java. math. BigInteger	The number of out-of-profile packets (rate above CIR) forwarded by the ingress Qchip.
offeredHiPrioOctets [Offered Hi Prio Octets] (sapIngQosQueueStatsOffered- HiPrioOctets)	java. math. BigInteger	The number of high priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredHiPrioPackets [Offered Hi Prio Packets] (sapIngQosQueueStatsOffered- HiPrioPackets)	java. math. BigInteger	The number of high priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioOctets [Offered Lo Prio Octets] (sapIngQosQueueStatsOfferedLo- PrioOctets)	java. math. BigInteger	The number of low priority octets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
offeredLoPrioPackets [Offered Lo Prio Packets] (sapIngQosQueueStatsOfferedLo- PrioPackets)	java. math. BigInteger	The number of low priority packets, as determined by the SAP ingress QoS policy, offered by the Pchip to the Qchip.
queueId [Queue Id] (sapIngQosQueueId)	long	The index of the ingress QoS queue of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
uncoloredOctetsOffered [Uncolored Octets Offered] (sapIngQosQueueStatsUncoloredOctetsOffered)	java. math. BigInteger	The number of uncolored octets offered to the ingress Qchip.
uncoloredPacketsOffered [Uncolored Packets Offered] (sapIngQosQueueStatsUncoloredPacketsOffered)	java. math. BigInteger	The number of uncolored packets offered to the ingress Qchip.
SapIngQosSchedStats MIB entry name: sapIngQosSchedStatsEntry Entry description: Ingress statistics about a specific SAP's QoS queue. Table description (for sapIngQosSchedStatsTable): A table that contains ingress QoS queue SAP statistics. Supports realtime plotting Does not support scheduled collection Monitored classes: <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
customerId [Customer Id] (sapIngQosSchedCustId)	long	The Customer ID for the associated service.
forwardedOctets [Forwarded Octets] (sapIngQosSchedStatsForwardedOctets)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngQosSchedStatsForwardedPackets)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
qosSchedName [Qos Sched Name] (sapIngQosSchedName)	String	The index of the ingress QoS scheduler of this SAP.
<p>SapIngSchedPlcyPortStats</p> <p>MIB entry name: sapIngSchedPlcyPortStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyPortStatsTable): The sapIngSchedPlcyPortStatsTable contains ingress QoS scheduler statistics for the SAP's, organized per scheduler policy and per port. This table is used when the SAP is a CCAG or LAG in 'link' mode, or an APS. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyPortStatsFwdOct)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdOct indicates the number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyPortStatsFwdPkt)	java. math. BigInteger	The value of sapIngSchedPlcyPortStatsFwdPkt indicates the number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
portId [Port Id] (sapPortIdIngPortId)	long	The value of sapPortIdIngPortId is used as an index of the ingress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapIngSchedPlcyStats</p> <p>MIB entry name: sapIngSchedPlcyStatsEntry</p> <p>Entry description: Statistics about a specific SAP's ingress Qos Scheduler. Entries are created when a scheduler policy of a SAP is replaced with another one due to Time-Of-Day policies.</p> <p>Table description (for sapIngSchedPlcyStatsTable): A table that contains ingress QoS queue statistics for the SAP's, organized by scheduler policy. Conceptual rows in this table are automatically created by the system. No row will be created for a SAP if the value of the object sapTodSuite is equal to the empty string.</p> <p>Does not support realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedOctets [Forwarded Octets] (sapIngSchedPlcyStatsFwdOct)	java. math. BigInteger	The number of forwarded octets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.
forwardedPackets [Forwarded Packets] (sapIngSchedPlcyStatsFwdPkt)	java. math. BigInteger	The number of forwarded packets, as determined by the SAP ingress scheduler policy, offered by the Pchip to the Qchip.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>SapPortIdEgrEGMbrSchedStats</p> <p>MIB entry name: sapPortIdEgrEGMbrSchedStEntry</p> <p>Entry description: Egress statistics about a specific Encap Group member QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group.</p> <p>Table description (for sapPortIdEgrEGMbrSchedStTable): The sapPortIdEgrEGMbrSchedStTable contains egress QoS scheduler SAP statistics per port. This statistics table is valid for Encap Groups created by enabling sapEgrEncapGroupQosPerMember. This table fetches statistics per member. This table is used when the Encap Group's SAP is a CCAG or LAG in 'link' mode or an APS.</p> <p>Supports realtime plotting</p> <p>Does not support scheduled collection</p> <p>Monitored class: service.EncapGroup</p>		
custId [Cust Id] (sapPortIdEgrEGMbrSchedCustId)	long	The value of sapPortIdEgrEGMbrSchedCustId indicates the Customer ID for the associated service.
fwdOcts [Fwd Octs] (sapPortIdEgrEGMbrSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGMbrSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGMbrSchedFwdOctsH)	long	The value sapPortIdEgrEGMbrSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGMbrSchedFwdOctsL)	long	The value of sapPortIdEgrEGMbrSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGMbrSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGMbrSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGMbrSchedFwdPktsH)	long	The value sapPortIdEgrEGMbrSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGMbrSchedFwdPktsL)	long	The value of sapPortIdEgrEGMbrSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGMbrSchedFwdPkts.
memberId [Member Id] (sapEgrEncapGrpMember)	long	The value of sapEgrEncapGrpMember indicates the encapsulation member identifier of the SAP on the egress side.
schedName [Sched Name] (sapPortIdEgrEGMbrSchedStName)	String	The sapPortIdEgrEGMbrSchedStName specifies the name of the egress encapsulation group QoS port scheduler of this SAP.
SapPortIdEgrEGSchedStats MIB entry name: sapPortIdEgrEGSchedStEntry Entry description: Egress statistics about a specific Encap Group's QoS scheduler port of a SAP. Entries are created when a scheduler policy is applied to an Encap Group. Table description (for sapPortIdEgrEGSchedStTable): The sapPortIdEgrEGSchedStTable contains egress QoS scheduler SAP statistics per port at the Group level. This statistics table is valid for Encap Groups created without enabling sapEgrEncapGroupQosPerMember. This table is used when the encap group's SAP is a CCAG or LAG in 'link' mode or an APS. Supports realtime plotting Does not support scheduled collection Monitored class: service.EncapGroup		
custId [Cust Id] (sapPortIdEgrEGSchedCustId)	long	The value of sapPortIdEgrEGSchedCustId indicates the Customer ID for the associated service.

Table 849 service statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
fwdOcts [Fwd Octs] (sapPortIdEgrEGSchedFwdOcts)	java. math. BigInteger	The value sapPortIdEgrEGSchedFwdOcts indicates the number of octets forwarded by the egress port scheduler of this SAP.
fwdOctsH [Fwd Octs H] (sapPortIdEgrEGSchedFwdOctsH)	long	The value sapPortIdEgrEGSchedFwdOctsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdOctsL [Fwd Octs L] (sapPortIdEgrEGSchedFwdOctsL)	long	The value of sapPortIdEgrEGSchedFwdOctsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdOcts.
fwdPkts [Fwd Pkts] (sapPortIdEgrEGSchedFwdPkts)	java. math. BigInteger	The value of sapPortIdEgrEGSchedFwdPkts indicates the number of packets forwarded by the egress port scheduler of this SAP.
fwdPktsH [Fwd Pkts H] (sapPortIdEgrEGSchedFwdPktsH)	long	The value sapPortIdEgrEGSchedFwdPktsH indicates the higher 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
fwdPktsL [Fwd Pkts L] (sapPortIdEgrEGSchedFwdPktsL)	long	The value of sapPortIdEgrEGSchedFwdPktsL indicates the lower 32 bits of the value of sapPortIdEgrEGSchedFwdPkts.
portId [Port Id] (sapPortIdEgrPortId)	long	The value of sapPortIdEgrPortId is used as an index of the egress QoS scheduler of this SAP. When the SAP is an aps/ccag/lag in 'link' mode, this object is the TmnxPortID of the member-port on which the scheduler is applied.
schedName [Sched Name] (sapPortIdEgrEGSchedStName)	String	The sapPortIdEgrEGSchedStName specifies the name of the egress encapsulation group port scheduler of this SAP.

Table 850 sitesec statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmFilterQueueStats</p> <p>MIB entry name: tCpmFilterQueueStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmFilterQueueEntry indexed by the same tCpmFilterQueueId. Entries are created when tCpmFilterQueueEntry rows are created.</p> <p>Table description (for tCpmFilterQueueStatsTable): The tCpmFilterQueueStatsTable has a stats entry for each CPM filter queue configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmFilterQueue</p>		
droppedInOctets [Dropped In Octets] (tCpmFilterQInProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileDropOctets indicates the number of octets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedInPackets [Dropped In Packets] (tCpmFilterQInProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileDropPkts indicates the number of packets complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutOctets [Dropped Out Octets] (tCpmFilterQOutProfileDropOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropOctets indicates the number of octets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
droppedOutPackets [Dropped Out Packets] (tCpmFilterQOutProfileDropPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileDropPkts indicates the number of packets not complying to the queue Qos profile dropped from the tCpmFilterQueueEntry with the same index.
forwardedInOctets [Forwarded In Octets] (tCpmFilterQInProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdOctets indicates the number of octets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.

Table 850 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
forwardedInPackets [Forwarded In Packets] (tCpmFilterQInProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQInProfileFwdPkts indicates the number of packets complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutOctets [Forwarded Out Octets] (tCpmFilterQOutProfileFwdOctets)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdOctets indicates the number of octets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
forwardedOutPackets [Forwarded Out Packets] (tCpmFilterQOutProfileFwdPkts)	java. math. BigInteger	The value of tCpmFilterQOutProfileFwdPkts indicates the number of packets not complying to the queue Qos profile forwarded from the tCpmFilterQueueEntry with the same index.
<p>CpmIPv6FilterStats MIB entry name: tCpmIPv6FilterStatsEntry Entry description: Each row entry represents the statistics related to the tCpmIPv6FilterEntry indexed by the same tCpmIPv6FilterEntryId. Entries are created when tCpmIPv6FilterEntry rows are created. Table description (for tCpmIPv6FilterStatsTable): The tCpmIPv6FilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'. Supports realtime plotting Supports scheduled collection Monitored class: sitesec.CpmIPv6FilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmIPv6FilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmIPv6FilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmIPv6FilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmIPv6FilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmIPv6FilterEntry with the same index.

Table 850 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>CpmlpFilterStats</p> <p>MIB entry name: tCpmlpFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmlpFilterEntry indexed by the same tCpmlpFilterEntryId. Entries are created when tCpmlpFilterEntry rows are created.</p> <p>Table description (for tCpmlpFilterStatsTable): The tCpmlpFilterStatsTable has a stats entry for each entry in each CPM filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmlpFilterEntry</p>		
droppedPackets [Dropped Packets] (tCpmlpFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmlpFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmlpFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmlpFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmlpFilterEntry with the same index.
<p>CpmMacFilterStats</p> <p>MIB entry name: tCpmMacFilterStatsEntry</p> <p>Entry description: Each row entry represents the statistics related to the tCpmMacFilterEntry indexed by the same tCpmMacFltrEntryId. Entries are created when tCpmMacFilterEntry rows are created.</p> <p>Table description (for tCpmMacFilterStatsTable): The tCpmMacFilterStatsTable has a stats entry of the CPM Mac filter configured on this system. This table is not supported on SR-1 and ESS-1, where the value of TIMETRA-CHASSIS-MIB::tmnxChassisType is '5'.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: sitesec.CpmMacFilterEntry</p>		

Table 850 sitesecc statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
droppedPackets [Dropped Packets] (tCpmMacFilterStatsDroppedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsDroppedPkts indicates the number of packets dropped due to the tCpmMacFilterEntry with the same index.
forwardedPackets [Forwarded Packets] (tCpmMacFilterStatsForwardedPkts)	java. math. BigInteger	The value of tCpmMacFilterStatsForwardedPkts indicates the number of packets forwarded due to the tCpmMacFilterEntry with the same index.
<p>MafEntryStats MIB entry name: tmnxIPMafMatchEntry Entry description: Each row entry contains information about a management access filter entry associated with a specific Management Access Filter (MAF). The filter criterion is applied in order according to the value of tmnxIPMafMatchIndex. The match algorithm is exited upon the first match found and then the action specified is executed. For this reason, entries must be sequenced from most to least explicit. An entry where tmnxIPMafMatchAction has a value of 'none' is not active. Rows can only be created for tmnxGenMafType's: - ipv4 (1), and. - ipv6 (2). For mac Maf filters a dedicated table is provided (tmnxMacMafMatchTable). Table description (for tmnxIPMafMatchTable): This table replaces the tmnxMafMatchTable. It allows to define both IPv4 and IPv6 MAF IP entries. The tmnxIPMafMatchTable contains ipvx filter match criteria associated with Management Access Filters (MAFs) configured on the system. Supports realtime plotting Supports scheduled collection Monitored class: sitesecc.MafEntry</p>		
matchCount [Match Count] (tmnxIPMafMatchCount)	java. math. BigInteger	The value of tmnxIPMafMatchCount indicates the number of times a management packet has matched this filter entry.
<p>PKICertMgrStats MIB entry name: tmnxCertMgrStatsGroup Supports realtime plotting Supports scheduled collection Monitored class: sitesecc.SiteSystemSecurityPublicKey</p>		

Table 850 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
certMgrAuthFailed [Cert Mgr Auth Failed] (tmnxCertMgrAuthFailed)	long	The tmnxCertMgrAuthFailed indicates the number of authentication failures using the certificates.
certMgrAuthPassed [Cert Mgr Auth Passed] (tmnxCertMgrAuthPassed)	long	The tmnxCertMgrAuthPassed indicates the number of authentication checks passed using the certificates.
certMgrTotalAuth [Cert Mgr Total Auth] (tmnxCertMgrTotalAuth)	long	The tmnxCertMgrTotalAuth indicates the number of authentication attempts using the certificates.
RadiusNotifyStats MIB entry name: tmnxSubRadNotifyStatsObjects Supports realtime plotting Supports scheduled collection Monitored class: netw.NetworkElement		
accepted [Accepted] (tmnxSubRadNotifyStatsAccepted)	long	The value of tmnxSubRadNotifyStatsAccepted indicates the number of notify Change-of-Authorization requests accepted.
badAuthentication [Bad Authentication] (tmnxSubRadNotifyStatsBadAuth)	long	The value of tmnxSubRadNotifyStatsBadAuth indicates the number of notify Change-of-Authorization requests rejected because of authentication failure.
invalidMsg [Invalid Msg] (tmnxSubRadNotifyStatsInvalidMsg)	long	The value of tmnxSubRadNotifyStatsInvalidMsg indicates the number of notify Change-of-Authorization requests rejected because of decode errors.
noNotification [No Notification] (tmnxSubRadNotifyStatsNoNotify)	long	The value of tmnxSubRadNotifyStatsNoNotify indicates the number of notify Change-of-Authorization requests rejected due to lack of notification process.

Table 850 sitesec statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
noResource [No Resource] (tmnxSubRadNotifyStatsNoResource)	long	The value of tmnxSubRadNotifyStatsNoResource indicates the number of notify Change-of-Authorization requests rejected due to lack of resources.
received [Received] (tmnxSubRadNotifyStatsReceived)	long	The value of tmnxSubRadNotifyStatsReceived indicates the number of notify Change-of-Authorization requests received.
rejected [Rejected] (tmnxSubRadNotifyStatsRejected)	long	The value of tmnxSubRadNotifyStatsRejected indicates the number of notify Change-of-Authorization requests rejected.
unknownHost [Unknown Host] (tmnxSubRadNotifyStatsUnknownHost)	long	The value of tmnxSubRadNotifyStatsUnknownHost indicates the number of notify Change-of-Authorization requests which do not have NAS-Port-ID or Framed-IP-Address set or have mismatched subscriber-id.

Table 851 srrp statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>InstanceStats</p> <p>MIB entry name: tmnxSrrpStatsEntry</p> <p>Entry description: Each row entry represents the statistics for a particular SRRP instance tied to a service group interface. Entries are created/deleted in conjunction with entries in the tmnxSrrpOperTable</p> <p>Table description (for tmnxSrrpStatsTable): The tmnxSrrpStatsTable has an entry for each Subscriber Router Redundancy Protocol instance configured on this system.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored class: srrp.Instance</p>		
advertiseIntervalDiscards [Advertise Interval Discards] (tmnxSrrpStatsAdvIntDiscards)	long	The value for tmnxSrrpStatsAdvIntDiscards indicates the total number of SRRP advertisement packets discarded because the advertisement interval in the received packet was different than the one configured for the local virtual router.
advertiseIntervalErrors [Advertise Interval Errors] (tmnxSrrpStatsAdvIntErrors)	long	The value for tmnxSrrpStatsAdvIntErrors indicates the total number of SRRP advertisement packets received for which the advertisement interval is different than the one configured for the local virtual router.
advertiseRcvd [Advertise Rcvd] (tmnxSrrpStatsAdvRcvd)	long	The value for tmnxSrrpStatsAdvRcvd indicates the total number of SRRP advertisements received by this virtual router.
advertiseSent [Advertise Sent] (tmnxSrrpStatsAdvSent)	long	The value for tmnxSrrpStatsAdvSent indicates the total number of SRRP advertisements sent by this virtual router.
becomeBackupRouting [Become Backup Routing] (tmnxSrrpStatsBecomeBackupRouting)	long	The value for tmnxSrrpStatsBecomeBackupRouting indicates the total number of times that the virtual router's state has transitioned to backup routing state.

Table 851 srrp statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
becomeBackupShunt [Become Backup Shunt] (tmnxSrrpStatsBecomeBackupShunt)	long	The value for tmnxSrrpStatsBecomeBackupShunt indicates the total number of times that the virtual router's state has transitioned to backup shunt.
becomeMaster [Become Master] (tmnxSrrpStatsBecomeMaster)	long	The value for tmnxSrrpStatsBecomeMaster indicates the total number of times that the virtual router's state has transitioned to master.
becomeNonMaster [Become Non Master] (tmnxSrrpStatsBecomeNonMaster)	long	The value for tmnxSrrpStatsBecomeNonMaster indicates the total number times that the virtual router's state has transitioned from master to a non-master state.
masterChanges [Master Changes] (tmnxSrrpStatsMasterChanges)	long	The value for tmnxSrrpStatsMasterChanges indicates the total number of times the virtual router has seen the master virtual router change.
preemptEvents [Preempt Events] (tmnxSrrpStatsPreemptEvents)	long	The value for tmnxSrrpStatsPreemptEvents indicates the total number of times the virtual router has preempted another non-owner master with lower priority.
preemptedEvents [Preempted Events] (tmnxSrrpStatsPreemptedEvents)	long	The value for tmnxSrrpStatsPreemptedEvents indicates the total number of times the virtual router has been preempted by another non-owner master with higher priority.
priorityZeroPktsRcvd [Priority Zero Pkts Rcvd] (tmnxSrrpStatsPriZeroPktsSent)	long	The value for tmnxSrrpStatsPriZeroPktsSent indicates the total number of SRRP packets sent by the virtual router with a priority of '0'.
priorityZeroPktsSent [Priority Zero Pkts Sent] (tmnxSrrpStatsPriZeroPktsRcvd)	long	The value for tmnxSrrpStatsPriZeroPktsRcvd indicates the total number of SRRP packets received by the virtual router with a priority of '0'.

Table 852 svt statistics

NFM-P counter names: XML [displayed] (MIB)	Type	Description
<p>MirrorSdpBindingStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored class: svt.MirrorSdpBinding</p>		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingBaseStats MIB entry name: sdpBindBaseStatsEntry Entry description: Basic statistics about a specific SDP Binding. Table description (for sdpBindBaseStatsTable): A table that contains basic SDP Binding statistics. Supports realtime plotting Supports scheduled collection Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
egressForwardedOctets [Egress Forwarded Octets] (sdpBindBaseStatsEgressForwardedOctets)	java. math. BigInteger	
egressForwardedPackets [Egress Forwarded Packets] (sdpBindBaseStatsEgressForwardedPackets)	java. math. BigInteger	
ingressDroppedOctets [Ingress Dropped Octets] (sdpBindBaseStatsIngDropOctets)	java. math. BigInteger	
ingressDroppedPackets [Ingress Dropped Packets] (sdpBindBaseStatsIngressDroppedPackets)	java. math. BigInteger	

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
ingressForwardedOctets [Ingress Forwarded Octets] (sdpBindBaseStatsIngFwdOctets)	java. math. BigInteger	
ingressForwardedPackets [Ingress Forwarded Packets] (sdpBindBaseStatsIngressForwardedPackets)	java. math. BigInteger	
<p>SdpBindingIgmppSnpErrorStats</p> <p>MIB entry name: sdpBindIgmppSnpStatsEntry</p> <p>Entry description: sdpBindIgmppSnpStatsEntry is an entry in the sdpBindIgmppSnpStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a Tls.</p> <p>Table description (for sdpBindIgmppSnpStatsTable): sdpBindIgmppSnpStatsTable contains statistics on IGMP snooping per SDP Bind.</p> <p>Supports realtime plotting</p> <p>Supports scheduled collection</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.MeshSdpBinding • svt.SpokeSdpBinding 		
sdpBndIgmppSnpImportPolicyDrops [Sdp Bnd Igmpp Snp Import Policy Drops] (sdpBndIgmppSnpImportPolicyDrops)	long	The value of the object sdpBndIgmppSnpImportPolicyDrops indicates the number of times an IGMP Group or Source is dropped because of applying an import policy on this SDP Bind.
sdpBndIgmppSnpMaxNumGroupsDrops [Sdp Bnd Igmpp Snp Max Num Groups Drops] (sdpBndIgmppSnpMaxNumGroupsDrops)	long	The value of the object sdpBndIgmppSnpMaxNumGroupsDrops indicates the number of times an IGMP Group is dropped because of exceeding the configured maximum number of groups on this SDP Bind.

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgMaxNumSourcesDrops [Sdp Bnd IgmP Snpg Max Num Sources Drops] (sdpBndIgmPsnpgMaxNumSourcesDrops)	long	The value of the object sdpBndIgmPsnpgMaxNumSourcesDrops indicates the number of times an IGMP Source is dropped because of exceeding the configured maximum number of sources per group on this SDP Bind.
sdpBndIgmPsnpgMcacPolicyDrops [Sdp Bnd IgmP Snpg Mcac Policy Drops] (sdpBndIgmPsnpgMcacPolicyDrops)	long	The value of the object sdpBndIgmPsnpgMcacPolicyDrops indicates the number of times an IGMP Group is dropped because of applying a multicast CAC policy on this SDP Bind.
sdpBndIgmPsnpgRxBadEncodedPkts [Sdp Bnd IgmP Snpg Rx Bad Encoded Pkts] (sdpBndIgmPsnpgRxBadEncodedPkts)	long	The value of the object sdpBndIgmPsnpgRxBadEncodedPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad encoding.
sdpBndIgmPsnpgRxBadIgmPChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad IgmP ChkSm Pkts] (sdpBndIgmPsnpgRxBadIgmPChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIgmPChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IGMP header checksum.
sdpBndIgmPsnpgRxBadIpChkSmPkts [Sdp Bnd IgmP Snpg Rx Bad Ip ChkSm Pkts] (sdpBndIgmPsnpgRxBadIpChkSmPkts)	long	The value of the object sdpBndIgmPsnpgRxBadIpChkSmPkts indicates the number of dropped IGMP packets on this SDP Bind because of a bad IPv4 header checksum.
sdpBndIgmPsnpgRxBadLenPkts [Sdp Bnd IgmP Snpg Rx Bad Len Pkts] (sdpBndIgmPsnpgRxBadLenPkts)	long	The value of the object sdpBndIgmPsnpgRxBadLenPkts indicates the number of IGMP packets dropped on this SDP Bind because of a bad length.
sdpBndIgmPsnpgRxNoRtrAlertPkts [Sdp Bnd IgmP Snpg Rx No Rtr Alert Pkts] (sdpBndIgmPsnpgRxNoRtrAlertPkts)	long	The value of the object sdpBndIgmPsnpgRxNoRtrAlertPkts indicates the number of IGMP packets dropped on this SDP Bind because the Router Alert Option in the IP packet is not set.

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxWrongVersionPkts [Sdp Bnd IgmP Snpg Rx Wrong Version Pkts] (sdpBndIgmPsnpgRxWrongVersionPkts)	long	The value of the object sdpBndIgmPsnpgRxWrongVersionPkts indicates the total number of IGMP packets with a wrong version received on this SDP Bind.
sdpBndIgmPsnpgRxZeroSrcAdrPkts [Sdp Bnd IgmP Snpg Rx Zero Src Adr Pkts] (sdpBndIgmPsnpgRxZeroSrcAdrPkts)	long	The value of the object sdpBndIgmPsnpgRxZeroSrcAdrPkts indicates the number of IGMP packets dropped on this SDP Bind because they contain a zero source IPv4 address.
sdpBndIgmPsnpgSendQueryCfgDrops [Sdp Bnd IgmP Snpg Send Query Cfg Drops] (sdpBndIgmPsnpgSendQueryCfgDrops)	long	The value of the object sdpBndIgmPsnpgSendQueryCfgDrops indicates the number of times an IGMP Query is dropped because the object sdpBndIgmPsnpgCfgSendQueries for this SDP Bind is set to 'enabled(1)'. SdpBindingIgmPsnpgStats MIB entry name: sdpBndIgmPsnpgStatsEntry Entry description: sdpBndIgmPsnpgStatsEntry is an entry in the sdpBndIgmPsnpgStatsTable. Each entry contains IGMP snooping statistics for a SDP Bind in a TIs. Table description (for sdpBndIgmPsnpgStatsTable): sdpBndIgmPsnpgStatsTable contains statistics on IGMP snooping per SDP Bind. Supports realtime plotting Supports scheduled collection Monitored classes: • svt.MeshSdpBinding • svt.SpokeSdpBinding
sdpBndIgmPsnpgFwdGenQueries [Sdp Bnd IgmP Snpg Fwd Gen Queries] (sdpBndIgmPsnpgFwdGenQueries)	long	The value of the object sdpBndIgmPsnpgFwdGenQueries indicates the number of IGMP General Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdGrpSpecQueries [Sdp Bnd IgmP Snpg Fwd Grp Spec Queries] (sdpBndIgmPsnpgFwdGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdGrpSpecQueries indicates the number of IGMP Group-Specific Queries forwarded on this SDP Bind.

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgFwdSrcSpecQueries [Sdp Bnd IgmP Snpg Fwd Src Spec Queries] (sdpBndIgmPsnpgFwdSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgFwdSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdUnknownType [Sdp Bnd IgmP Snpg Fwd Unknown Type] (sdpBndIgmPsnpgFwdUnknownType)	long	The value of the object sdpBndIgmPsnpgFwdUnknownType indicates the number of IGMP unknown type packets forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV1Reports [Sdp Bnd IgmP Snpg Fwd V1 Reports] (sdpBndIgmPsnpgFwdV1Reports)	long	The value of the object sdpBndIgmPsnpgFwdV1Reports indicates the number of IGMPv1 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Leaves [Sdp Bnd IgmP Snpg Fwd V2 Leaves] (sdpBndIgmPsnpgFwdV2Leaves)	long	The value of the object sdpBndIgmPsnpgFwdV2Leaves indicates the number of IGMPv2 Leaves forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV2Reports [Sdp Bnd IgmP Snpg Fwd V2 Reports] (sdpBndIgmPsnpgFwdV2Reports)	long	The value of the object sdpBndIgmPsnpgFwdV2Reports indicates the number of IGMPv2 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgFwdV3Reports [Sdp Bnd IgmP Snpg Fwd V3 Reports] (sdpBndIgmPsnpgFwdV3Reports)	long	The value of the object sdpBndIgmPsnpgFwdV3Reports indicates the number of IGMPv3 Reports forwarded on this SDP Bind.
sdpBndIgmPsnpgRxGenQueries [Sdp Bnd IgmP Snpg Rx Gen Queries] (sdpBndIgmPsnpgRxGenQueries)	long	The value of the object sdpBndIgmPsnpgRxGenQueries indicates the number of IGMP General Queries received on this SDP Bind.
sdpBndIgmPsnpgRxGrpSpecQueries [Sdp Bnd IgmP Snpg Rx Grp Spec Queries] (sdpBndIgmPsnpgRxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxGrpSpecQueries indicates the number of IGMP Group-Specific Queries received on this SDP Bind.

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgRxSrcSpecQueries [Sdp Bnd IgmP Snpg Rx Src Spec Queries] (sdpBndIgmPsnpgRxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgRxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries received on this SDP Bind.
sdpBndIgmPsnpgRxUnknownType [Sdp Bnd IgmP Snpg Rx Unknown Type] (sdpBndIgmPsnpgRxUnknownType)	long	The value of the object sdpBndIgmPsnpgRxUnknownType indicates the number of IGMP unknown type packets received on this SDP Bind.
sdpBndIgmPsnpgRxV1Reports [Sdp Bnd IgmP Snpg Rx V1 Reports] (sdpBndIgmPsnpgRxV1Reports)	long	The value of the object sdpBndIgmPsnpgRxV1Reports indicates the number of IGMPv1 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV2Leaves [Sdp Bnd IgmP Snpg Rx V2 Leaves] (sdpBndIgmPsnpgRxV2Leaves)	long	The value of the object sdpBndIgmPsnpgRxV2Leaves indicates the number of IGMPv2 Leaves received on this SDP Bind.
sdpBndIgmPsnpgRxV2Reports [Sdp Bnd IgmP Snpg Rx V2 Reports] (sdpBndIgmPsnpgRxV2Reports)	long	The value of the object sdpBndIgmPsnpgRxV2Reports indicates the number of IGMPv2 Reports received on this SDP Bind.
sdpBndIgmPsnpgRxV3Reports [Sdp Bnd IgmP Snpg Rx V3 Reports] (sdpBndIgmPsnpgRxV3Reports)	long	The value of the object sdpBndIgmPsnpgRxV3Reports indicates the number of IGMPv3 Reports received on this SDP Bind.
sdpBndIgmPsnpgTxGenQueries [Sdp Bnd IgmP Snpg Tx Gen Queries] (sdpBndIgmPsnpgTxGenQueries)	long	The value of the object sdpBndIgmPsnpgTxGenQueries indicates the number of IGMP General Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxGrpSpecQueries [Sdp Bnd IgmP Snpg Tx Grp Spec Queries] (sdpBndIgmPsnpgTxGrpSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxGrpSpecQueries indicates the number of IGMP Group-Specific Queries transmitted on this SDP Bind.
sdpBndIgmPsnpgTxSrcSpecQueries [Sdp Bnd IgmP Snpg Tx Src Spec Queries] (sdpBndIgmPsnpgTxSrcSpecQueries)	long	The value of the object sdpBndIgmPsnpgTxSrcSpecQueries indicates the number of IGMP Group-And-Source-Specific Queries transmitted on this SDP Bind.

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
sdpBndIgmPsnpgTxV1Reports [Sdp Bnd IgmP Snpg Tx V1 Reports] (sdpBndIgmPsnpgTxV1Reports)	long	The value of the object sdpBndIgmPsnpgTxV1Reports indicates the number of IGMPv1 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Leaves [Sdp Bnd IgmP Snpg Tx V2 Leaves] (sdpBndIgmPsnpgTxV2Leaves)	long	The value of the object sdpBndIgmPsnpgTxV2Leaves indicates the number of IGMPv2 Leaves transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV2Reports [Sdp Bnd IgmP Snpg Tx V2 Reports] (sdpBndIgmPsnpgTxV2Reports)	long	The value of the object sdpBndIgmPsnpgTxV2Reports indicates the number of IGMPv2 Reports transmitted on this SDP Bind.
sdpBndIgmPsnpgTxV3Reports [Sdp Bnd IgmP Snpg Tx V3 Reports] (sdpBndIgmPsnpgTxV3Reports)	long	The value of the object sdpBndIgmPsnpgTxV3Reports indicates the number of IGMPv3 Reports transmitted on this SDP Bind.
TunnelKeepAliveStats MIB entry name: sdpInfoEntry Entry description: Information about a specific SDP. Table description (for sdpInfoTable): A table that contains SDP information. Supports realtime plotting Supports scheduled collection Monitored class: svt.Tunnel		
lateHelloResponses [Late Hello Responses] (sdpKeepAliveNumLateHelloR- esponseMessages)	long	The number of SDP Echo Response messages received after the corresponding Request timeout timer expired.
receivedHelloMessages [Received Hello Messages] (sdpKeepAliveNumHelloRespon- seMessages)	long	The number of SDP Echo Response messages received since the keep-alive was administratively enabled or the counter was cleared.

Table 852 svt statistics (continued)

NFM-P counter names: XML [displayed] (MIB)	Type	Description
transmittedHelloMessages [Transmitted Hello Messages] (sdpKeepAliveNumHelloRequestMessages)	long	The number of SDP Echo Request messages transmitted since the keep-alive was administratively enabled or the counter was cleared.

Part VI: Non-mediation Statistics

Overview

Purpose

This volume contains device-specific lists of the non-mediator statistics that the NFM-P supports.

The tables in this volume are provided as a reference.

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50 1830 PSS non-mediation statistics counters

50.1 Non-mediation statistics counters

50.1.1 Counters

Table 853 equipment statistics

Name	Type	Description
InterfaceAdditionalStats Monitored classes: <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		
receivedBroadcastPackets	UINT128	Supports real-time plotting
receivedMulticastPackets	UINT128	Supports real-time plotting
receivedTotalOctets	UINT128	Supports real-time plotting
receivedUnicastPackets	UINT128	Supports real-time plotting

Table 853 equipment statistics (continued)

Name	Type	Description
transmittedBroadcastPackets	UINT128	Supports real-time plotting
transmittedMulticastPackets	UINT128	Supports real-time plotting
transmittedTotalOctets	UINT128	Supports real-time plotting
transmittedUnicastPackets	UINT128	Supports real-time plotting
InterfaceStats Monitored classes: <ul style="list-style-type: none"> • bundle.Interface • ccag.CcagPathCcNetSap • ccag.CcagPathCcSapNet • ccag.CcagPathCcSapSap • equipment.ManagementPort • equipment.PhysicalPort • equipment.ScadaBranch • equipment.ScadaMddb • ies.L3AccessInterface • lag.Interface • pxc.PortCrossConnectSubPort • rtr.NetworkInterface • sonetequipment.Sts12Channel • sonetequipment.Sts192Channel • sonetequipment.Sts1Channel • sonetequipment.Sts3Channel • sonetequipment.Sts48Channel • sonetequipment.TributaryChannel • sonetequipment.Tu3Channel • tdmequipment.DS0ChannelGroup • tdmequipment.DS1E1Channel • tdmequipment.DS3E3Channel • vprn.L3AccessInterface 		
outboundBadPackets	LONG	Supports real-time plotting
outboundPacketsDiscarded	LONG	Supports real-time plotting
receivedBadPackets	LONG	Supports real-time plotting
receivedOctets	LONG	Supports real-time plotting
receivedPacketsDiscarded	LONG	Supports real-time plotting
receivedUnicastPackets	LONG	Supports real-time plotting

Table 853 equipment statistics (continued)

Name	Type	Description
receivedUnknownProtocolPackets	LONG	Supports real-time plotting
transmittedOctets	LONG	Supports real-time plotting
transmittedUnicastPackets	LONG	Supports real-time plotting
PortNetEgressStats		
Monitored classes:		
<ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped	UINT128	Supports real-time plotting
inProfileOctetsForwarded	UINT128	Supports real-time plotting
inProfilePacketsDropped	UINT128	Supports real-time plotting
inProfilePacketsForwarded	UINT128	Supports real-time plotting
outOfProfileOctetsDropped	UINT128	Supports real-time plotting
outOfProfileOctetsForwarded	UINT128	Supports real-time plotting
outOfProfilePacketsDropped	UINT128	Supports real-time plotting
outOfProfilePacketsForwarded	UINT128	Supports real-time plotting
queueId	LONG	Does not support real-time plotting
PortNetIngressStats		
Monitored classes:		
<ul style="list-style-type: none"> • bundle.Interface • equipment.PhysicalPort 		
inProfileOctetsDropped	UINT128	Supports real-time plotting
inProfileOctetsForwarded	UINT128	Supports real-time plotting
inProfilePacketsDropped	UINT128	Supports real-time plotting
inProfilePacketsForwarded	UINT128	Supports real-time plotting
outOfProfileOctetsDropped	UINT128	Supports real-time plotting
outOfProfileOctetsForwarded	UINT128	Supports real-time plotting
outOfProfilePacketsDropped	UINT128	Supports real-time plotting
outOfProfilePacketsForwarded	UINT128	Supports real-time plotting
portNetIngressMeterId	LONG	Does not support real-time plotting
portNetIngressQueueId	LONG	Does not support real-time plotting

Table 854 ethernetequipment statistics

Name	Type	Description
AdditionalEthernetStats Monitored classes: <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
highCapacityPackets1519toMaxFrameSize	LONG	Supports real-time plotting
packets1519toMaxFrameSize	LONG	Supports real-time plotting
EthernetStats Monitored classes: <ul style="list-style-type: none"> • equipment.ManagementPort • equipment.PhysicalPort • pxc.PortCrossConnectSubPort 		
broadcastPackets	LONG	Supports real-time plotting
collisions	LONG	Supports real-time plotting
crcAlignErrors	LONG	Supports real-time plotting
dropEvents	LONG	Supports real-time plotting
fragments	LONG	Supports real-time plotting
jabbers	LONG	Supports real-time plotting
multicastPackets	LONG	Supports real-time plotting
oversizePackets	LONG	Supports real-time plotting
packets1024to1518Octets	LONG	Supports real-time plotting
packets128to255Octets	LONG	Supports real-time plotting
packets256to511Octets	LONG	Supports real-time plotting
packets512to1023Octets	LONG	Supports real-time plotting
packets64Octets	LONG	Supports real-time plotting
packets65to127Octets	LONG	Supports real-time plotting
totalOctets	LONG	Supports real-time plotting
totalPackets	LONG	Supports real-time plotting
undersizePackets	LONG	Supports real-time plotting

Table 855 ethernetoam statistics

Name	Type	Description
CfmTwoWayDelayStats		
Monitored class: ethernetoam.CfmTwoWayDelayTest		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
farEndFrameDelayAverage	LONG	Supports real-time plotting
farEndFrameDelayMax	LONG	Supports real-time plotting
farEndFrameDelayMin	LONG	Supports real-time plotting
farEndFrameDelayVariationAverage	LONG	Supports real-time plotting
farEndFrameDelayVariationMax	LONG	Supports real-time plotting
farEndFrameDelayVariationMin	LONG	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
nearEndFrameDelayAverage	LONG	Supports real-time plotting
nearEndFrameDelayMax	LONG	Supports real-time plotting
nearEndFrameDelayMin	LONG	Supports real-time plotting
nearEndFrameDelayVariationAverage	LONG	Supports real-time plotting
nearEndFrameDelayVariationMax	LONG	Supports real-time plotting
nearEndFrameDelayVariationMin	LONG	Supports real-time plotting
roundTripFrameDelayAverage	LONG	Supports real-time plotting
roundTripFrameDelayMax	LONG	Supports real-time plotting
roundTripFrameDelayMin	LONG	Supports real-time plotting
startTime	STRING	Does not support real-time plotting
totalMembers	LONG	Does not support real-time plotting
CfmTwoWayLMTestStats		
Monitored class: ethernetoam.CfmLMTest		

Table 855 ethernetoam statistics (continued)

Name	Type	Description
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
farEndFrameLossRatioAverage	LONG	Supports real-time plotting
farEndFrameLossRatioMax	LONG	Supports real-time plotting
farEndFrameLossRatioMin	LONG	Supports real-time plotting
farEndHighLossIntervals	LONG	Supports real-time plotting
farEndUnavailableIntervals	LONG	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
nearEndFrameLossRatioAver- age	LONG	Supports real-time plotting
nearEndFrameLossRatioMax	LONG	Supports real-time plotting
nearEndFrameLossRatioMin	LONG	Supports real-time plotting
nearEndHighLossIntervals	LONG	Supports real-time plotting
nearEndUnavailableIntervals	LONG	Supports real-time plotting
startTime	STRING	Does not support real-time plotting
totalMembers	LONG	Supports real-time plotting
CfmTwoWaySImStats		
Monitored class: ethernetoam.CfmTwoWaySIm		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
farEndFrameLossRatioAverage	LONG	Supports real-time plotting
farEndFrameLossRatioMax	LONG	Supports real-time plotting
farEndFrameLossRatioMin	LONG	Supports real-time plotting
farEndHighLossIntervals	LONG	Supports real-time plotting
farEndUnavailableIntervals	LONG	Supports real-time plotting

Table 855 ethernetoam statistics (continued)

Name	Type	Description
interval	optical. Interval- Type	Does not support real-time plotting
nearEndFrameLossRatioAverage	LONG	Supports real-time plotting
nearEndFrameLossRatioMax	LONG	Supports real-time plotting
nearEndFrameLossRatioMin	LONG	Supports real-time plotting
nearEndHighLossIntervals	LONG	Supports real-time plotting
nearEndUnavailableIntervals	LONG	Supports real-time plotting
startTime	STRING	Does not support real-time plotting
totalMembers	LONG	Supports real-time plotting

Table 856 I2fwd statistics

Name	Type	Description
SiteFibStats		
Monitored class: I2fwd.SiteFib		
entries	LONG	Supports real-time plotting
provisionedSize	LONG	Supports real-time plotting
serviceId	LONG	Does not support real-time plotting
serviceName	STRING	Does not support real-time plotting
siteId	STRING	Does not support real-time plotting
siteName	STRING	Does not support real-time plotting
staticEntries	LONG	Supports real-time plotting
subscriberId	LONG	Does not support real-time plotting
subscriberName	STRING	Does not support real-time plotting

Table 857 lag statistics

Name	Type	Description
MultiChassisLagMemberStats Monitored classes: • lag.MultiChassisLagMember • multichassis.MultiChassisLagMember		
configPacketsReceived	LONG	Supports real-time plotting
configPacketsTransmitted	LONG	Supports real-time plotting
failedPacketsTransmitted	LONG	Supports real-time plotting
statePacketsReceived	LONG	Supports real-time plotting
statePacketsTransmitted	LONG	Supports real-time plotting
MultiChassisLagStats Monitored classes: • equipment.CardSlot • netw.NetworkElement		
configPacketsReceived	LONG	Supports real-time plotting
configPacketsTransmitted	LONG	Supports real-time plotting
failedMD5AuthenticationPacketsDropped	LONG	Supports real-time plotting
failedPacketsTransmitted	LONG	Supports real-time plotting
invalidLagIdPacketsDropped	LONG	Supports real-time plotting
invalidSizePacketsDropped	LONG	Supports real-time plotting
keepalivePacketsReceived	LONG	Supports real-time plotting
keepalivePacketsTransmitted	LONG	Supports real-time plotting
outOfSequencePacketsDropped	LONG	Supports real-time plotting
packetsDropped	LONG	Supports real-time plotting
packetsReceived	LONG	Supports real-time plotting
packetsTransmitted	LONG	Supports real-time plotting
peerConfigPacketsReceived	LONG	Supports real-time plotting
peerConfigPacketsTransmitted	LONG	Supports real-time plotting
statePacketsReceived	LONG	Supports real-time plotting
statePacketsTransmitted	LONG	Supports real-time plotting
tooShortPacketsDropped	LONG	Supports real-time plotting

Table 857 lag statistics (continued)

Name	Type	Description
unknownPeerPacketsDropped	LONG	Supports real-time plotting
unknownTlvPacketsDropped	LONG	Supports real-time plotting
verifyFailedPacketsDropped	LONG	Supports real-time plotting

Table 858 multichassis statistics

Name	Type	Description
PeerStats		
Monitored classes:		
<ul style="list-style-type: none"> • multichassis.Peer • multichassis.PSSPeer 		
configPacketsReceived	LONG	Supports real-time plotting
failedMD5AuthenticationPacketsDropped	LONG	Supports real-time plotting
failedPacketsTransmitted	LONG	Supports real-time plotting
invalidLagIdPacketsDropped	LONG	Supports real-time plotting
invalidSizePacketsDropped	LONG	Supports real-time plotting
keepAlivePacketsReceived	LONG	Supports real-time plotting
keepalivePacketsTransmitted	LONG	Supports real-time plotting
outOfSequencePacketsDropped	LONG	Supports real-time plotting
packetsReceived	LONG	Supports real-time plotting
packetsTransmitted	LONG	Supports real-time plotting
peerConfigPacketsReceived	LONG	Supports real-time plotting
peerConfigPacketsTransmitted	LONG	Supports real-time plotting
stateDisabledPacketsDropped	LONG	Supports real-time plotting
statePacketsReceived	LONG	Supports real-time plotting
tooShortPacketsDropped	LONG	Supports real-time plotting
unknownTlvPacketsDropped	LONG	Supports real-time plotting
PeerSynchronizationProtocolStats		
Monitored class: multichassis.PeerSynchronizationProtocol		
bodyDecodeErrorPacketsReceived	LONG	Supports real-time plotting

Table 858 multichassis statistics (continued)

Name	Type	Description
dataPacketsReceived	LONG	Supports real-time plotting
dataPacketsTransmitted	LONG	Supports real-time plotting
erroneousPacketsReceived	LONG	Supports real-time plotting
headerDecodeErrorPacketsReceived	LONG	Supports real-time plotting
helloPacketsReceived	LONG	Supports real-time plotting
helloPacketsTransmitted	LONG	Supports real-time plotting
otherPacketsReceived	LONG	Supports real-time plotting
otherPacketsTransmitted	LONG	Supports real-time plotting
packetTransmissionErrors	LONG	Supports real-time plotting
sequenceNumberErrorPacketsReceived	LONG	Supports real-time plotting
totalPacketsReceived	LONG	Supports real-time plotting
totalPacketsTransmitted	LONG	Supports real-time plotting

Table 859 optical statistics

Name	Type	Description
CardMibStats		
Monitored class: equipment.BaseCard		
binId	INT	Does not support real-time plotting
binStatus	optical. BinStatus	Does not support real-time plotting
cpuAverage	LONG	Supports real-time plotting
heapUsage	LONG	Supports real-time plotting
interval	optical. IntervalType	Does not support real-time plotting
poolUsage	LONG	Supports real-time plotting
processorId	INT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
CardRawStats		
Monitored class: equipment.BaseCard		
processorId	INT	Does not support real-time plotting
rawCpuAverage	LONG	Supports real-time plotting
rawHeapUsage	LONG	Supports real-time plotting
rawPoolUsage	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
CdrMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
tnCdrStatAverage	LONG	Supports real-time plotting
tnCdrStatMax	LONG	Supports real-time plotting
tnCdrStatMin	LONG	Supports real-time plotting
CdrRawCountStats		
Monitored class: optical.OpticalPortSpecifics		
startTime	DATE	Does not support real-time plotting
tnCdrRawCountStatAverage	INT	Supports real-time plotting
tnCdrRawCountStatMax	INT	Supports real-time plotting
tnCdrRawCountStatMin	INT	Supports real-time plotting
DgdrMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
startTime	DATE	Does not support real-time plotting
tnDgdrStatAverage	FLOAT	Does not support real-time plotting
tnDgdrStatMax	FLOAT	Does not support real-time plotting
tnDgdrStatMin	FLOAT	Does not support real-time plotting
tnDgdrStatsBinStatus	optical. BinSta- tus	Does not support real-time plotting
DgdrRawCountStats Monitored class: optical.OpticalPortSpecifics		
startTime	DATE	Does not support real-time plotting
tnDgdrRawCountStatAverage	FLOAT	Does not support real-time plotting
tnDgdrRawCountStatMax	FLOAT	Does not support real-time plotting
tnDgdrRawCountStatMin	FLOAT	Does not support real-time plotting
DigitalWrapper64BitMibStats Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
rxBERPostFEC	DOUBLE	Supports real-time plotting
rxBERPreFEC	DOUBLE	Supports real-time plotting
rxPMBEIErrCnt	UINT128	Supports real-time plotting
rxPMBIP8ErrCnt	UINT128	Supports real-time plotting
rxPMES	UINT128	Supports real-time plotting
rxPMFEBIP8ErrCnt	UINT128	Supports real-time plotting
rxPMFEES	UINT128	Supports real-time plotting
rxPMFESES	UINT128	Supports real-time plotting
rxPMFEUAS	UINT128	Supports real-time plotting
rxPMSES	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
rxPMUAS	UINT128	Supports real-time plotting
rxRsCorrCnt	UINT128	Supports real-time plotting
rxRSSES	UINT128	Supports real-time plotting
rxRsUncorrCnt	UINT128	Supports real-time plotting
rxSMBEIErrCnt	UINT128	Supports real-time plotting
rxSMBIAESErrCnt	UINT128	Supports real-time plotting
rxSMBIP8ErrCnt	UINT128	Supports real-time plotting
rxSMES	UINT128	Supports real-time plotting
rxSMFEBIP8ErrCnt	UINT128	Supports real-time plotting
rxSMFEES	UINT128	Supports real-time plotting
rxSMFESES	UINT128	Supports real-time plotting
rxSMFEUA	UINT128	Supports real-time plotting
rxSMAESErrCnt	UINT128	Supports real-time plotting
rxSMSES	UINT128	Supports real-time plotting
rxSMUAS	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
DigitalWrapper64BitRawStats		
Monitored class: optical.OpticalPortSpecifics		
rxBERPostFEC	DOUBLE	Supports real-time plotting
rxBERPreFEC	DOUBLE	Supports real-time plotting
rxPMBEIErrCnt	UINT128	Supports real-time plotting
rxPMBIP8ErrCnt	UINT128	Supports real-time plotting
rxPMES	UINT128	Supports real-time plotting
rxPMFEBIP8ErrCnt	UINT128	Supports real-time plotting
rxPMFEES	UINT128	Supports real-time plotting
rxPMFESES	UINT128	Supports real-time plotting
rxPMFEUAS	UINT128	Supports real-time plotting
rxPMSES	UINT128	Supports real-time plotting
rxPMUAS	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
rxRsCorrCnt	UINT128	Supports real-time plotting
rxRSSES	UINT128	Supports real-time plotting
rxRsUncorrCnt	UINT128	Supports real-time plotting
rxSMBEIErrCnt	UINT128	Supports real-time plotting
rxSMBIAESErrCnt	UINT128	Supports real-time plotting
rxSMBIP8ErrCnt	UINT128	Supports real-time plotting
rxSMES	UINT128	Supports real-time plotting
rxSMFEBIP8ErrCnt	UINT128	Supports real-time plotting
rxSMFEES	UINT128	Supports real-time plotting
rxSMFESES	UINT128	Supports real-time plotting
rxSMFEUA	UINT128	Supports real-time plotting
rxSMIAESErrCnt	UINT128	Supports real-time plotting
rxSMSES	UINT128	Supports real-time plotting
rxSMUAS	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
E1MibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
tnE1StatRxBBEP	UINT128	Supports real-time plotting
tnE1StatRxESL	UINT128	Supports real-time plotting
tnE1StatRxESP	UINT128	Supports real-time plotting
tnE1StatRxSESL	UINT128	Supports real-time plotting
tnE1StatRxSESP	UINT128	Supports real-time plotting
tnE1StatRxUASP	UINT128	Supports real-time plotting
tnE1StatsBinStatus	optical. BinSta- tus	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
tnE1StatTxBBEP	UINT128	Supports real-time plotting
tnE1StatTxESP	UINT128	Supports real-time plotting
tnE1StatTxSESP	UINT128	Supports real-time plotting
tnE1StatTxUASP	UINT128	Supports real-time plotting
E1RawCountStats		
Monitored class: optical.OpticalPortSpecifics		
startTime	DATE	Does not support real-time plotting
tnE1RawCountStatRxBBEP	LONG	Supports real-time plotting
tnE1RawCountStatRxESL	LONG	Supports real-time plotting
tnE1RawCountStatRxESP	LONG	Supports real-time plotting
tnE1RawCountStatRxSESL	LONG	Supports real-time plotting
tnE1RawCountStatRxSESP	LONG	Supports real-time plotting
tnE1RawCountStatRxUASP	LONG	Supports real-time plotting
tnE1RawCountStatTxBBEP	LONG	Supports real-time plotting
tnE1RawCountStatTxESP	LONG	Supports real-time plotting
tnE1RawCountStatTxSESP	LONG	Supports real-time plotting
tnE1RawCountStatTxUASP	LONG	Supports real-time plotting
EncryptionMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
bitBlkCnt	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
rxFailedDecryptCnt	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
EncryptionRawStats		
Monitored class: optical.OpticalPortSpecifics		

Table 859 optical statistics (continued)

Name	Type	Description
etherStatTxCrcAlignErrs	UINT128	Supports real-time plotting
etherStatTxDropEvents	UINT128	Supports real-time plotting
etherStatTxFragments	UINT128	Supports real-time plotting
etherStatTxJabbers	UINT128	Supports real-time plotting
etherStatTxJumboPkts	UINT128	Supports real-time plotting
etherStatTxMcastPkts	UINT128	Supports real-time plotting
etherStatTxOctets	UINT128	Supports real-time plotting
etherStatTxOversizedPkts	UINT128	Supports real-time plotting
etherStatTxPktErrRatio	UINT128	Supports real-time plotting
etherStatTxPkts	UINT128	Supports real-time plotting
etherStatTxPktsSize1024to1518	UINT128	Supports real-time plotting
etherStatTxPktsSize128to255	UINT128	Supports real-time plotting
etherStatTxPktsSize256to511	UINT128	Supports real-time plotting
etherStatTxPktsSize512to1023	UINT128	Supports real-time plotting
etherStatTxPktsSize64	UINT128	Supports real-time plotting
etherStatTxPktsSize65to127	UINT128	Supports real-time plotting
etherStatTxUndersizedPkts	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
EtherRawStats		
Monitored class: optical.OpticalPortSpecifics		
rawEtherCountStatRxPktsSize512to1023	UINT128	Supports real-time plotting
rawEtherCountStatTxPktsSize512to1023	UINT128	Supports real-time plotting
rawEtherStatRxBcastPkts	UINT128	Supports real-time plotting
rawEtherStatRxCollisions	UINT128	Supports real-time plotting
rawEtherStatRxCrcAlignErrs	UINT128	Supports real-time plotting
rawEtherStatRxDropEvents	UINT128	Supports real-time plotting
rawEtherStatRxFragments	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
rawEtherStatRxJabbers	UINT128	Supports real-time plotting
rawEtherStatRxJumboPkts	UINT128	Supports real-time plotting
rawEtherStatRxMcastPkts	UINT128	Supports real-time plotting
rawEtherStatRxOctets	UINT128	Supports real-time plotting
rawEtherStatRxOversizedPkts	UINT128	Supports real-time plotting
rawEtherStatRxPktErrRatio	UINT128	Supports real-time plotting
rawEtherStatRxPkts	UINT128	Supports real-time plotting
rawEtherStatRxPktsSize1024to1518	UINT128	Supports real-time plotting
rawEtherStatRxPktsSize128to255	UINT128	Supports real-time plotting
rawEtherStatRxPktsSize256to511	UINT128	Supports real-time plotting
rawEtherStatRxPktsSize64	UINT128	Supports real-time plotting
rawEtherStatRxPktsSize65to127	UINT128	Supports real-time plotting
rawEtherStatRxUndersizedPkts	UINT128	Supports real-time plotting
rawEtherStatTxBcastPkts	UINT128	Supports real-time plotting
rawEtherStatTxCollisions	UINT128	Supports real-time plotting
rawEtherStatTxCrcAlignErrs	UINT128	Supports real-time plotting
rawEtherStatTxDropEvents	UINT128	Supports real-time plotting
rawEtherStatTxFragments	UINT128	Supports real-time plotting
rawEtherStatTxJabbers	UINT128	Supports real-time plotting
rawEtherStatTxJumboPkts	UINT128	Supports real-time plotting
rawEtherStatTxMcastPkts	UINT128	Supports real-time plotting
rawEtherStatTxOctets	UINT128	Supports real-time plotting
rawEtherStatTxOversizedPkts	UINT128	Supports real-time plotting
rawEtherStatTxPktErrRatio	UINT128	Supports real-time plotting
rawEtherStatTxPkts	UINT128	Supports real-time plotting
rawEtherStatTxPktsSize1024to1518	UINT128	Supports real-time plotting
rawEtherStatTxPktsSize128to255	UINT128	Supports real-time plotting
rawEtherStatTxPktsSize256to511	UINT128	Supports real-time plotting
rawEtherStatTxPktsSize64	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
rawEtherStatTxPktsSize65to127	UINT128	Supports real-time plotting
rawEtherStatTxUndersizedPkts	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
ETHFECMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
eTHPHYFECPMStatRxRsCor- rCnt	UINT128	Supports real-time plotting
eTHPHYFECPMStatRxRsUn- corrCnt	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
EthPortEgrQueueMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
inProfileOctetsDropped	UINT128	Supports real-time plotting
inProfileOctetsForwarded	UINT128	Supports real-time plotting
inProfilePacketsDropped	UINT128	Supports real-time plotting
inProfilePacketsForwarded	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
queueId	INT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
EthPortMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
binStatus	optical. BinSta- tus	Does not support real-time plotting
broadcastPackets	UINT128	Supports real-time plotting
broadcastPacketsIn	UINT128	Supports real-time plotting
broadcastPacketsOut	UINT128	Supports real-time plotting
collisions	UINT128	Supports real-time plotting
crcOralignErrors	UINT128	Supports real-time plotting
discardsIn	UINT128	Supports real-time plotting
discardsOut	UINT128	Supports real-time plotting
dropEvents	UINT128	Supports real-time plotting
errorsIn	UINT128	Supports real-time plotting
errorsOut	UINT128	Supports real-time plotting
fragments	UINT128	Supports real-time plotting
highCapacityOctets	UINT128	Supports real-time plotting
highCapacityPackets	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
jabbers	UINT128	Supports real-time plotting
multicastPackets	UINT128	Supports real-time plotting
multicastPacketsIn	UINT128	Supports real-time plotting
multicastPacketsOut	UINT128	Supports real-time plotting
octetsIn	UINT128	Supports real-time plotting
octetsOut	UINT128	Supports real-time plotting
oversizedPackets	UINT128	Supports real-time plotting
packets1024To1518Octets	UINT128	Supports real-time plotting
packets128To255Octets	UINT128	Supports real-time plotting
packets1519OrMoreOctets	UINT128	Supports real-time plotting
packets256To511Octets	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
packets512To1023Octets	UINT128	Supports real-time plotting
packets64Octets	UINT128	Supports real-time plotting
packets65To127Octets	UINT128	Supports real-time plotting
packetsIn	UINT128	Supports real-time plotting
packetsOut	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
totalMembers	INT	Does not support real-time plotting
undersizedPackets	UINT128	Supports real-time plotting
unicastPacketsIn	UINT128	Supports real-time plotting
unicastPacketsOut	UINT128	Supports real-time plotting
unknownProtocol	UINT128	Supports real-time plotting
FECPMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
fecPMStatRxBERPostFEC	DOUBLE	Supports real-time plotting
fecPMStatRxBERPreFEC	DOUBLE	Supports real-time plotting
fecPMStatRxRsCorrCnt	UINT128	Supports real-time plotting
fecPMStatRxRsUncorrCnt	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
FECPMRawCountStats		
Monitored class: optical.OpticalPortSpecifics		
fecPMRawCountStatRxBER- PostFEC	DOUBLE	Supports real-time plotting
fecPMRawCountStatRxBERPre- FEC	DOUBLE	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
fecPMRawCountStatRxRsCorrCnt	UINT128	Supports real-time plotting
fecPMRawCountStatRxRsUncorrCnt	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
FibreChannelMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical.BinStatus	Does not support real-time plotting
interval	optical.IntervalType	Does not support real-time plotting
rxInvalidTxWords	LONG	Supports real-time plotting
rxLinkFailures	LONG	Supports real-time plotting
rxLossOfSignals	LONG	Supports real-time plotting
rxLossOfSynchs	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
txInvalidTxWords	LONG	Supports real-time plotting
txLinkFailures	LONG	Supports real-time plotting
txLossOfSignals	LONG	Supports real-time plotting
txLossOfSynchs	LONG	Supports real-time plotting
FibreChannelRawStats		
Monitored class: optical.OpticalPortSpecifics		
rxInvalidTxWords	LONG	Supports real-time plotting
rxLinkFailures	LONG	Supports real-time plotting
rxLossOfSignals	LONG	Supports real-time plotting
rxLossOfSynchs	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
txInvalidTxWords	LONG	Supports real-time plotting
txLinkFailures	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
txLossOfSignals	LONG	Supports real-time plotting
txLossOfSynchs	LONG	Supports real-time plotting
FoffrMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
tnFoffrStatAverage	FLOAT	Does not support real-time plotting
tnFoffrStatMax	FLOAT	Does not support real-time plotting
tnFoffrStatMin	FLOAT	Does not support real-time plotting
FoffrRawCountStats		
Monitored class: optical.OpticalPortSpecifics		
startTime	DATE	Does not support real-time plotting
tnFoffrRawCountStatAverage	FLOAT	Does not support real-time plotting
tnFoffrRawCountStatMax	FLOAT	Does not support real-time plotting
tnFoffrRawCountStatMin	FLOAT	Does not support real-time plotting
InterfaceMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
ifStatInBroadcastPkts	UINT128	Supports real-time plotting
ifStatInDiscards	UINT128	Supports real-time plotting
ifStatInErrors	UINT128	Supports real-time plotting
ifStatInMulticastPkts	UINT128	Supports real-time plotting
ifStatInOctets	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
ifStatInPacketsNotClassified	UINT128	Supports real-time plotting
ifStatInUcastPkts	UINT128	Supports real-time plotting
ifStatInUnknownProtos	UINT128	Supports real-time plotting
ifStatOutBroadcastPkts	UINT128	Supports real-time plotting
ifStatOutDiscards	UINT128	Supports real-time plotting
ifStatOutErrors	UINT128	Supports real-time plotting
ifStatOutMulticastPkts	UINT128	Supports real-time plotting
ifStatOutOctets	UINT128	Supports real-time plotting
ifStatOutUcastPkts	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
InterfaceRawStats		
Monitored class: optical.OpticalPortSpecifics		
rawIfStatInBroadcastPkts	UINT128	Supports real-time plotting
rawIfStatInDiscards	UINT128	Supports real-time plotting
rawIfStatInErrors	UINT128	Supports real-time plotting
rawIfStatInMulticastPkts	UINT128	Supports real-time plotting
rawIfStatInOctets	UINT128	Supports real-time plotting
rawIfStatInPacketsNotClassified	UINT128	Supports real-time plotting
rawIfStatInUcastPkts	UINT128	Supports real-time plotting
rawIfStatInUnknownProtos	UINT128	Supports real-time plotting
rawIfStatOutBroadcastPkts	UINT128	Supports real-time plotting
rawIfStatOutDiscards	UINT128	Supports real-time plotting
rawIfStatOutErrors	UINT128	Supports real-time plotting
rawIfStatOutMulticastPkts	UINT128	Supports real-time plotting
rawIfStatOutOctets	UINT128	Supports real-time plotting
rawIfStatOutUcastPkts	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
L1ProtMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
l1ProtStatActiveTime	LONG	Supports real-time plotting
l1ProtStatPsc	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
L1ProtRawStats		
Monitored class: optical.OpticalPortSpecifics		
l1ProtStatActiveTime	LONG	Supports real-time plotting
l1ProtStatPsc	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OdukRawRxStats		
Monitored class: oth.Oduk		
othOdukRawStatsRxFeBIP8ErrCnt	UINT128	Supports real-time plotting
othOdukRawStatsRxFeES	UINT128	Supports real-time plotting
othOdukRawStatsRxFeSES	UINT128	Supports real-time plotting
othOdukRawStatsRxFeUAS	UINT128	Supports real-time plotting
othOdukRawStatsRxNeBIP8ErrCnt	UINT128	Supports real-time plotting
othOdukRawStatsRxNeES	UINT128	Supports real-time plotting
othOdukRawStatsRxNeSES	UINT128	Supports real-time plotting
othOdukRawStatsRxNeUAS	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OdukRawTxStats		
Monitored class: oth.Oduk		
othOdukRawStatsTxFeBIP8ErrCnt	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
othOdukRawStatsTxFeES	UINT128	Supports real-time plotting
othOdukRawStatsTxFeSES	UINT128	Supports real-time plotting
othOdukRawStatsTxFeUAS	UINT128	Supports real-time plotting
othOdukRawStatsTxNeBIP8ErrCnt	UINT128	Supports real-time plotting
othOdukRawStatsTxNeES	UINT128	Supports real-time plotting
othOdukRawStatsTxNeSES	UINT128	Supports real-time plotting
othOdukRawStatsTxNeUAS	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OdukRxMibStats		
Monitored class: oth.Oduk		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
othOdukStatsRxFE_BIP8ErrCnt	UINT128	Supports real-time plotting
othOdukStatsRxFEES	UINT128	Supports real-time plotting
othOdukStatsRxFESES	UINT128	Supports real-time plotting
othOdukStatsRxFEUAS	UINT128	Supports real-time plotting
othOdukStatsRxFEBIP8ErrCnt	UINT128	Supports real-time plotting
othOdukStatsRxFEES	UINT128	Supports real-time plotting
othOdukStatsRxFESES	UINT128	Supports real-time plotting
othOdukStatsRxFEUAS	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OdukTxMibStats		
Monitored class: oth.Oduk		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
interval	optical.Interval-Type	Does not support real-time plotting
othOdukStatsTxFeBIP8ErrCnt	UINT128	Supports real-time plotting
othOdukStatsTxFeES	UINT128	Supports real-time plotting
othOdukStatsTxFeSES	UINT128	Supports real-time plotting
othOdukStatsTxFeUAS	UINT128	Supports real-time plotting
othOdukStatsTxNeBIP8ErrCnt	UINT128	Supports real-time plotting
othOdukStatsTxNeES	UINT128	Supports real-time plotting
othOdukStatsTxNeSES	UINT128	Supports real-time plotting
othOdukStatsTxNeUAS	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OpInMibStats		
Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Supports real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical.BinStatus	Does not support real-time plotting
interval	optical.Interval-Type	Does not support real-time plotting
maxPower	FLOAT	Supports real-time plotting
minPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OpInRawStats		
Monitored class: optical.OpticalPortSpecifics		
rawAvgPower	FLOAT	Does not support real-time plotting
rawMaxPower	FLOAT	Does not support real-time plotting
rawMinPower	FLOAT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
OpOchInMibStats		
Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Supports real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
frequency	optical. ITUChannel	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
maxPower	FLOAT	Supports real-time plotting
minPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OpOchInRawStats		
Monitored class: optical.OpticalPortSpecifics		
frequency	optical. ITUChannel	Does not support real-time plotting
rawAvgPower	FLOAT	Does not support real-time plotting
rawMaxPower	FLOAT	Does not support real-time plotting
rawMinPower	FLOAT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
OpOchOutMibStats		
Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Supports real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
frequency	optical. ITUChannel	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
interval	optical.Interval-Type	Does not support real-time plotting
maxPower	FLOAT	Supports real-time plotting
minPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OpOchOutRawStats		
Monitored class: optical.OpticalPortSpecifics		
frequency	optical.ITUChannel	Does not support real-time plotting
rawAvgPower	FLOAT	Supports real-time plotting
rawMaxPower	FLOAT	Supports real-time plotting
rawMinPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OpOutMibStats		
Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Supports real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical.BinStatus	Does not support real-time plotting
interval	optical.Interval-Type	Does not support real-time plotting
maxPower	FLOAT	Supports real-time plotting
minPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OpOutRawStats		
Monitored class: optical.OpticalPortSpecifics		
rawAvgPower	FLOAT	Does not support real-time plotting
rawMaxPower	FLOAT	Does not support real-time plotting
rawMinPower	FLOAT	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
startTime	DATE	Does not support real-time plotting
OprMibStats Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Supports real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
maxPower	FLOAT	Supports real-time plotting
minPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OprRawStats Monitored class: optical.OpticalPortSpecifics		
rawAvgPower	FLOAT	Does not support real-time plotting
rawMaxPower	FLOAT	Does not support real-time plotting
rawMinPower	FLOAT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
OptMibStats Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Supports real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
maxPower	FLOAT	Supports real-time plotting
minPower	FLOAT	Supports real-time plotting
startTime	DATE	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
OptRawStats		
Monitored class: optical.OpticalPortSpecifics		
rawAvgPower	FLOAT	Does not support real-time plotting
rawMaxPower	FLOAT	Does not support real-time plotting
rawMinPower	FLOAT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
OsnrMibStats		
Monitored class: optical.OpticalPortSpecifics		
avgPower	FLOAT	Does not support real-time plotting
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
frequency	optical. ITUChannel	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
maxPower	FLOAT	Does not support real-time plotting
minPower	FLOAT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
OsnrRawStats		
Monitored class: optical.OpticalPortSpecifics		
frequency	optical. ITUChannel	Does not support real-time plotting
rawAvgPower	FLOAT	Does not support real-time plotting
rawMaxPower	FLOAT	Does not support real-time plotting
rawMinPower	FLOAT	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
OtukMibStats		
Monitored classes:		
<ul style="list-style-type: none"> • optical.OpticalPortSpecifics • oth.Otuk 		

Table 859 optical statistics (continued)

Name	Type	Description
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
othOtukStatFeRxIAES	UINT128	Supports real-time plotting
othOtukStatFeRxSMBIP8ErrCnt	UINT128	Supports real-time plotting
othOtukStatFeRxSMES	UINT128	Supports real-time plotting
othOtukStatFeRxSMSES	UINT128	Supports real-time plotting
othOtukStatFeRxSMUAS	UINT128	Supports real-time plotting
othOtukStatNeRxIAES	UINT128	Supports real-time plotting
othOtukStatNeRxSMBIP8ErrCnt	UINT128	Supports real-time plotting
othOtukStatNeRxSMES	UINT128	Supports real-time plotting
othOtukStatNeRxSMSES	UINT128	Supports real-time plotting
othOtukStatNeRxSMUAS	UINT128	Supports real-time plotting
othOtukStatRxBERPostFEC	DOUBLE	Supports real-time plotting
othOtukStatRxBERPreFEC	DOUBLE	Supports real-time plotting
othOtukStatRxRsCorrCnt	UINT128	Supports real-time plotting
othOtukStatRxRsUncorrCnt	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
OtuRawStats Monitored classes: • optical.OpticalPortSpecifics • oth.Otuk		
othOtukRawStatFeRxIAES	UINT128	Supports real-time plotting
othOtukRawStatFeRxSMBIP8ErrCnt	UINT128	Supports real-time plotting
othOtukRawStatFeRxSMES	UINT128	Supports real-time plotting
othOtukRawStatFeRxSMSES	UINT128	Supports real-time plotting
othOtukRawStatFeRxSMUAS	UINT128	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
othOtukRawStatNeRxIAES	UINT128	Supports real-time plotting
othOtukRawStatNeRxSMBIP8ErrCnt	UINT128	Supports real-time plotting
othOtukRawStatNeRxSMES	UINT128	Supports real-time plotting
othOtukRawStatNeRxSMSES	UINT128	Supports real-time plotting
othOtukRawStatNeRxSMUAS	UINT128	Supports real-time plotting
othOtukRawStatRxBERPost-FEC	DOUBLE	Supports real-time plotting
othOtukRawStatRxBERPreFEC	DOUBLE	Supports real-time plotting
othOtukRawStatRxRsCorrCnt	UINT128	Supports real-time plotting
othOtukRawStatRxRsUncorrCnt	UINT128	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
PathSummaryMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
rxNpjcPDet	LONG	Supports real-time plotting
rxNpjcPGen	LONG	Supports real-time plotting
rxPjcDiffP	LONG	Supports real-time plotting
rxPjcsPDet	LONG	Supports real-time plotting
rxPjcsPGen	LONG	Supports real-time plotting
rxPpjcPDet	LONG	Supports real-time plotting
rxPpjcPGen	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
txNpjcPDet	LONG	Supports real-time plotting
txNpjcPGen	LONG	Supports real-time plotting
txPjcDiffP	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
txPjcsPDet	LONG	Supports real-time plotting
txPjcsPGen	LONG	Supports real-time plotting
txPpjcPDet	LONG	Supports real-time plotting
txPpjcPGen	LONG	Supports real-time plotting
PathSummaryRawStats		
Monitored class: optical.OpticalPortSpecifics		
rxNpjcPDet	LONG	Supports real-time plotting
rxNpjcPGen	LONG	Supports real-time plotting
rxPjcDiffP	LONG	Supports real-time plotting
rxPjcsPDet	LONG	Supports real-time plotting
rxPjcsPGen	LONG	Supports real-time plotting
rxPpjcPDet	LONG	Supports real-time plotting
rxPpjcPGen	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
txNpjcPDet	LONG	Supports real-time plotting
txNpjcPGen	LONG	Supports real-time plotting
txPjcDiffP	LONG	Supports real-time plotting
txPjcsPDet	LONG	Supports real-time plotting
txPjcsPGen	LONG	Supports real-time plotting
txPpjcPDet	LONG	Supports real-time plotting
txPpjcPGen	LONG	Supports real-time plotting
PhyCodeSubLayerMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
rxCV	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
rxES	LONG	Supports real-time plotting
rxSEFS	LONG	Supports real-time plotting
rxSES	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
txCV	LONG	Supports real-time plotting
txES	LONG	Supports real-time plotting
txSEFS	LONG	Supports real-time plotting
txSES	LONG	Supports real-time plotting
PhyCodeSubLayerRawStats		
Monitored class: optical.OpticalPortSpecifics		
rxCV	LONG	Supports real-time plotting
rxES	LONG	Supports real-time plotting
rxSEFS	LONG	Supports real-time plotting
rxSES	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
txCV	LONG	Supports real-time plotting
txES	LONG	Supports real-time plotting
txSEFS	LONG	Supports real-time plotting
txSES	LONG	Supports real-time plotting
PreFECBERMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
preFECBERStatRxBERPreFEC	DOUBLE	Supports real-time plotting
startTime	DATE	Does not support real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
PreFECBitsMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
startTime	DATE	Does not support real-time plotting
tnPreFECBitsStatAverage	UINT128	Supports real-time plotting
tnPreFECBitsStatMax	UINT128	Supports real-time plotting
tnPreFECBitsStatMin	UINT128	Supports real-time plotting
PreFECBitsRawCountStats		
Monitored class: optical.OpticalPortSpecifics		
startTime	DATE	Does not support real-time plotting
tnPreFECBitsRawCountStatAv- erage	UINT128	Supports real-time plotting
tnPreFECBitsRawCountStatMax	UINT128	Supports real-time plotting
tnPreFECBitsRawCountStatMin	UINT128	Supports real-time plotting
SdhMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
sdhStatRxMSEB	LONG	Supports real-time plotting
sdhStatRxMSES	LONG	Supports real-time plotting
sdhStatRxMSSES	LONG	Supports real-time plotting
sdhStatRxMSUAS	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
sdhStatRxRSEB	LONG	Supports real-time plotting
sdhStatRxRSES	LONG	Supports real-time plotting
sdhStatRxRSSES	LONG	Supports real-time plotting
sdhStatRxRSUAS	LONG	Supports real-time plotting
sdhStatTxMSEB	LONG	Supports real-time plotting
sdhStatTxMSES	LONG	Supports real-time plotting
sdhStatTxMSSES	LONG	Supports real-time plotting
sdhStatTxMSUAS	LONG	Supports real-time plotting
sdhStatTxRSEB	LONG	Supports real-time plotting
sdhStatTxRSES	LONG	Supports real-time plotting
sdhStatTxRSSES	LONG	Supports real-time plotting
sdhStatTxRSUAS	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
SdhRawStats		
Monitored class: optical.OpticalPortSpecifics		
sdhStatRxMSEB	LONG	Supports real-time plotting
sdhStatRxMSES	LONG	Supports real-time plotting
sdhStatRxMSSES	LONG	Supports real-time plotting
sdhStatRxMSUAS	LONG	Supports real-time plotting
sdhStatRxRSEB	LONG	Supports real-time plotting
sdhStatRxRSES	LONG	Supports real-time plotting
sdhStatRxRSSES	LONG	Supports real-time plotting
sdhStatRxRSUAS	LONG	Supports real-time plotting
sdhStatTxMSEB	LONG	Supports real-time plotting
sdhStatTxMSES	LONG	Supports real-time plotting
sdhStatTxMSSES	LONG	Supports real-time plotting
sdhStatTxMSUAS	LONG	Supports real-time plotting
sdhStatTxRSEB	LONG	Supports real-time plotting
sdhStatTxRSES	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
sdhStatTxRSEES	LONG	Supports real-time plotting
sdhStatTxRSUAS	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
SonetMibStats		
Monitored class: optical.OpticalPortSpecifics		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
sonetStatRxCVL	LONG	Supports real-time plotting
sonetStatRxCVS	LONG	Supports real-time plotting
sonetStatRxESL	LONG	Supports real-time plotting
sonetStatRxESS	LONG	Supports real-time plotting
sonetStatRxFCL	LONG	Supports real-time plotting
sonetStatRxFECL	LONG	Supports real-time plotting
sonetStatRxFEESL	LONG	Supports real-time plotting
sonetStatRxFESESL	LONG	Supports real-time plotting
sonetStatRxFEUASL	LONG	Supports real-time plotting
sonetStatRxSEFSS	LONG	Supports real-time plotting
sonetStatRxSESL	LONG	Supports real-time plotting
sonetStatRxSESS	LONG	Supports real-time plotting
sonetStatRxUASL	LONG	Supports real-time plotting
sonetStatRxUASS	LONG	Supports real-time plotting
sonetStatTxCVL	LONG	Supports real-time plotting
sonetStatTxCVS	LONG	Supports real-time plotting
sonetStatTxESL	LONG	Supports real-time plotting
sonetStatTxESS	LONG	Supports real-time plotting
sonetStatTxFCL	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
sonetStatTxSEFSS	LONG	Supports real-time plotting
sonetStatTxSESL	LONG	Supports real-time plotting
sonetStatTxSESS	LONG	Supports real-time plotting
sonetStatTxUASL	LONG	Supports real-time plotting
sonetStatTxUASS	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting
SonetRawStats		
Monitored class: optical.OpticalPortSpecifics		
sonetStatRxCVL	LONG	Supports real-time plotting
sonetStatRxCVS	LONG	Supports real-time plotting
sonetStatRxESL	LONG	Supports real-time plotting
sonetStatRxESS	LONG	Supports real-time plotting
sonetStatRxFCL	LONG	Supports real-time plotting
sonetStatRxFECVL	LONG	Supports real-time plotting
sonetStatRxFEESL	LONG	Supports real-time plotting
sonetStatRxFEESL	LONG	Supports real-time plotting
sonetStatRxFEUASL	LONG	Supports real-time plotting
sonetStatRxSEFSS	LONG	Supports real-time plotting
sonetStatRxSESL	LONG	Supports real-time plotting
sonetStatRxSESS	LONG	Supports real-time plotting
sonetStatRxUASL	LONG	Supports real-time plotting
sonetStatRxUASS	LONG	Supports real-time plotting
sonetStatTxCVL	LONG	Supports real-time plotting
sonetStatTxCVS	LONG	Supports real-time plotting
sonetStatTxESL	LONG	Supports real-time plotting
sonetStatTxESS	LONG	Supports real-time plotting
sonetStatTxFCL	LONG	Supports real-time plotting
sonetStatTxSEFSS	LONG	Supports real-time plotting
sonetStatTxSESL	LONG	Supports real-time plotting

Table 859 optical statistics (continued)

Name	Type	Description
sonetStatTxSESS	LONG	Supports real-time plotting
sonetStatTxUASL	LONG	Supports real-time plotting
sonetStatTxUASS	LONG	Supports real-time plotting
startTime	DATE	Does not support real-time plotting

Table 860 rmd statistics

Name	Type	Description
PortStats		
Monitored class: rmd.Port		
bytesTransmitted	UINT128	Supports real-time plotting
correctBytesReceived	UINT128	Supports real-time plotting
correctFramesReceived	UINT128	Supports real-time plotting
droppedQueueOverflowFrames-Received	UINT128	Supports real-time plotting
erroredFcsFramesReceived	UINT128	Supports real-time plotting
framesTransmitted	UINT128	Supports real-time plotting
lengthErrorOrOtherError-FramesReceived	UINT128	Supports real-time plotting
TsopStats		
Monitored class: rmd.TsopChannel		
jbOverrun	UINT128	Supports real-time plotting
jbUnderrun	UINT128	Supports real-time plotting
malformed	UINT128	Supports real-time plotting
misorderedDropped	UINT128	Supports real-time plotting
missing	UINT128	Supports real-time plotting
playedOut	UINT128	Supports real-time plotting
received	UINT128	Supports real-time plotting
reordered	UINT128	Supports real-time plotting
sent	UINT128	Supports real-time plotting

Table 861 service statistics

Name	Type	Description
SapBaseStats		
Monitored classes:		
<ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface • service.ServiceAccessPoint 		
authenticationPacketsDiscarded	LONG	Supports real-time plotting
authenticationPacketsSuccessful	LONG	Supports real-time plotting
customerId	LONG	Does not support real-time plotting
egressForwardedOctets	UINT128	Supports real-time plotting
egressForwardedPackets	UINT128	Supports real-time plotting
egressQChipDroppedInProfOctets	UINT128	Supports real-time plotting
egressQChipDroppedInProfPackets	UINT128	Supports real-time plotting
egressQChipDroppedOutProfOctets	UINT128	Supports real-time plotting
egressQChipDroppedOutProfPackets	UINT128	Supports real-time plotting
egressQChipForwardedInProfOctets	UINT128	Supports real-time plotting
egressQChipForwardedInProfPackets	UINT128	Supports real-time plotting
egressQChipForwardedOutProfOctets	UINT128	Supports real-time plotting
egressQChipForwardedOutProfPackets	UINT128	Supports real-time plotting
egressSapPolicerDroppedOctets	UINT128	Supports real-time plotting
egressSapPolicerDroppedPackets	UINT128	Supports real-time plotting
ingressDroppedOctets	UINT128	Supports real-time plotting
ingressDroppedPackets	UINT128	Supports real-time plotting

Table 861 service statistics (continued)

Name	Type	Description
ingressExtraTagDroppedOctets	UINT128	Supports real-time plotting
ingressExtraTagDroppedPackets	UINT128	Supports real-time plotting
ingressForwardedOctets	UINT128	Supports real-time plotting
ingressForwardedPackets	UINT128	Supports real-time plotting
ingressPChipDroppedOctets	UINT128	Supports real-time plotting
ingressPChipDroppedPackets	UINT128	Supports real-time plotting
ingressPChipOfferedHiPrioOctets	UINT128	Supports real-time plotting
ingressPChipOfferedHiPrioPackets	UINT128	Supports real-time plotting
ingressPChipOfferedLoPrioOctets	UINT128	Supports real-time plotting
ingressPChipOfferedLoPrioPackets	UINT128	Supports real-time plotting
ingressPChipOfferedUncoloredOctets	UINT128	Supports real-time plotting
ingressPChipOfferedUncoloredPackets	UINT128	Supports real-time plotting
ingressQChipDroppedHiPrioOctets	UINT128	Supports real-time plotting
ingressQChipDroppedHiPrioPackets	UINT128	Supports real-time plotting
ingressQChipDroppedLoPrioOctets	UINT128	Supports real-time plotting
ingressQChipDroppedLoPrioPackets	UINT128	Supports real-time plotting
ingressQChipForwardedInProfOctets	UINT128	Supports real-time plotting
ingressQChipForwardedInProfPackets	UINT128	Supports real-time plotting
ingressQChipForwardedOutProfOctets	UINT128	Supports real-time plotting
ingressQChipForwardedOutProfPackets	UINT128	Supports real-time plotting

Table 861 service statistics (continued)

Name	Type	Description
ingressRcvdValidOcts	UINT128	Supports real-time plotting
ingressRcvdValidPkts	UINT128	Supports real-time plotting
qosClassifiersUse	INT	Supports real-time plotting
qosMetersUsed	INT	Supports real-time plotting
SapEthernetPMStats		
Monitored class: vpls.L2AccessInterface		
binId	INT	Does not support real-time plotting
binStatus	optical. BinSta- tus	Does not support real-time plotting
egressForwardedOctets	UINT128	Supports real-time plotting
egressForwardedPackets	UINT128	Supports real-time plotting
ingressDroppedOctets	UINT128	Supports real-time plotting
ingressDroppedPackets	UINT128	Supports real-time plotting
ingressForwardedOctets	UINT128	Supports real-time plotting
ingressForwardedPackets	UINT128	Supports real-time plotting
interval	optical. Interval- Type	Does not support real-time plotting
sapEncapValue	LONG	Does not support real-time plotting
startTime	STRING	Does not support real-time plotting
totalMembers	INT	Does not support real-time plotting
ServiceSapInqQosPlcyStats		
Monitored classes:		
<ul style="list-style-type: none"> • service.IPsecInterface • service.L2AccessInterface • service.L3AccessInterface 		
forwardedInProfOctets	UINT128	Supports real-time plotting
forwardedInProfPackets	UINT128	Supports real-time plotting
forwardedOutProfOctets	UINT128	Supports real-time plotting
forwardedOutProfPackets	UINT128	Supports real-time plotting
meterId	LONG	Does not support real-time plotting

Table 862 svt statistics

Name	Type	Description
SdpBindingBaseStats Monitored classes: • svt.MeshSdpBinding • svt.SpokeSdpBinding		
egressDroppedPackets	UINT128	Supports real-time plotting
egressForwardedOctets	UINT128	Supports real-time plotting
egressForwardedPackets	UINT128	Supports real-time plotting
ingressDroppedOctets	UINT128	Supports real-time plotting
ingressDroppedPackets	UINT128	Supports real-time plotting
ingressForwardedOctets	UINT128	Supports real-time plotting
ingressForwardedPackets	UINT128	Supports real-time plotting

Table 863 vpls statistics

Name	Type	Description
L2AccessInterfaceLmpSnpErrorStats Monitored classes: • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface		
sapLmpSnpImportPolicyDrops	LONG	Supports real-time plotting
sapLmpSnpMaxNumGroupsDrops	LONG	Supports real-time plotting
sapLmpSnpMaxNumGrpSourcesDrops	LONG	Supports real-time plotting
sapLmpSnpMaxNumSourcesDrops	LONG	Supports real-time plotting
sapLmpSnpMcacPolicyDrops	LONG	Supports real-time plotting
sapLmpSnpMcsFailures	LONG	Supports real-time plotting
sapLmpSnpRxBadEncodedPkts	LONG	Supports real-time plotting
sapLmpSnpRxBadLmpChkSmPkts	LONG	Supports real-time plotting

Table 863 vpls statistics (continued)

Name	Type	Description
saplgmpSnpgrxBadIpChksumPkts	LONG	Supports real-time plotting
saplgmpSnpgrxBadLenPkts	LONG	Supports real-time plotting
saplgmpSnpgrxNoRtrAlertPkts	LONG	Supports real-time plotting
saplgmpSnpgrxWrongVersionPkts	LONG	Supports real-time plotting
saplgmpSnpgrxZeroSrcAdrPkts	LONG	Supports real-time plotting
saplgmpSnpgrSendQueryCfgDrops	LONG	Supports real-time plotting
L2AccessInterfaceIlgmpSnpgrStats		
Monitored classes:		
<ul style="list-style-type: none"> • mvpls.IL2AccessInterface • vpls.AbstractL2AccessInterface • vpls.IL2AccessInterface 		
saplgmpSnpgrFwdGenQueries	LONG	Supports real-time plotting
saplgmpSnpgrFwdGrpSpecQueries	LONG	Supports real-time plotting
saplgmpSnpgrFwdSrcSpecQueries	LONG	Supports real-time plotting
saplgmpSnpgrFwdUnknownType	LONG	Supports real-time plotting
saplgmpSnpgrFwdV1Reports	LONG	Supports real-time plotting
saplgmpSnpgrFwdV2Leaves	LONG	Supports real-time plotting
saplgmpSnpgrFwdV2Reports	LONG	Supports real-time plotting
saplgmpSnpgrFwdV3Reports	LONG	Supports real-time plotting
saplgmpSnpgrRxGenQueries	LONG	Supports real-time plotting
saplgmpSnpgrRxGrpSpecQueries	LONG	Supports real-time plotting
saplgmpSnpgrRxSrcSpecQueries	LONG	Supports real-time plotting
saplgmpSnpgrRxUnknownType	LONG	Supports real-time plotting
saplgmpSnpgrRxV1Reports	LONG	Supports real-time plotting
saplgmpSnpgrRxV2Leaves	LONG	Supports real-time plotting
saplgmpSnpgrRxV2Reports	LONG	Supports real-time plotting

Table 863 vpls statistics (continued)

Name	Type	Description
saplgmpSnpgrxV3Reports	LONG	Supports real-time plotting
saplgmpSnpgrTxGenQueries	LONG	Supports real-time plotting
saplgmpSnpgrTxGrpSpecQueries	LONG	Supports real-time plotting
saplgmpSnpgrTxSrcSpecQueries	LONG	Supports real-time plotting
saplgmpSnpgrTxV1Reports	LONG	Supports real-time plotting
saplgmpSnpgrTxV2Leaves	LONG	Supports real-time plotting
saplgmpSnpgrTxV2Reports	LONG	Supports real-time plotting
saplgmpSnpgrTxV3Reports	LONG	Supports real-time plotting

Part VII: Accounting statistics

Overview

Purpose

This volume contains device-specific lists of the accounting statistics that the NFM-P supports.

The tables in this volume are provided as a reference.

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51 7210 SAS Sx accounting statistics counters

51.1 Statistics

51.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 864 7210 SAS Sx accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Octet (accessEgressOctet) Supported policy: Access Egress Octets</p>	
<p>Object: Access Egress Octets (AccessEgressOctets)</p> <p>Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Combined Port Access Egress (combinedAccessEgress) Supported policies:</p> <ul style="list-style-type: none"> • Combined Access Egress Octets • Combined Access Egress Packets 	
<p>Object: Combined Access Egress Octets (CombinedAccessEgressOctets) Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)
<p>Object: Combined Access Egress Packets (CombinedAccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Interface Ingress Octet (netInIngressOctet)</p> <p>Supported policy: Network Interface Ingress Octets</p>	

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Interface Ingress Octets (NetworkInterfaceIngressOctets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • outProfileOctetsForwarded (LONG, oof)
<p>Policy: Network Interface Ingress Packet (netInIngressPkt)</p> <p>Supported policy: Network Interface Ingress Packets</p>	
<p>Object: Network Interface Ingress Packets (NetworkInterfaceIngressPackets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt)</p> <p>Supported policy: Service Egress Packets</p>	

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 864 7210 SAS Sx accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

52 7210 SAS-D accounting statistics counters

52.1 Statistics

52.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 865 7210 SAS-D accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Octet (accessEgressOctet) Supported policy: Access Egress Octets</p>	
<p>Object: Access Egress Octets (AccessEgressOctets)</p> <p>Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Combined Port Access Egress (combinedAccessEgress) Supported policies:</p> <ul style="list-style-type: none"> • Combined Access Egress Octets • Combined Access Egress Packets 	
<p>Object: Combined Access Egress Octets (CombinedAccessEgressOctets) Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)
<p>Object: Combined Access Egress Packets (CombinedAccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): UplinkPort Net Ingress Accounting Stats (Object name: equipment.UplinkPortNetIngressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet) Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt) Supported policy: Network Egress Packets</p>	

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): UplinkPort Net Ingress Accounting Stats (Object name: equipment. UplinkPortNetIngressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): UplinkPort Net Ingress Accounting Stats (Object name: equipment. UplinkPortNetIngressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Service Egress Octet (svcEgressOctet) Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets) Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats) Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets) Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats) Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svcIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 865 7210 SAS-D accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

53 7210 SAS-E accounting statistics counters

53.1 Statistics

53.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 866 7210 SAS-E accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets)</p> <p>Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 866 7210 SAS-E accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Packet (combinedNetInEgPkt)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Packets • Combined Network Ingress Packets 	
<p>Object: Combined Network Egress Packets (CombinedNetworkEgressPackets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Object: Combined Network Ingress Packets (CombinedNetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Service Ingr Egr Packet (combinedSvcInEgPkt)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Packets • Combined Service Ingress Packets 	

Table 866 7210 SAS-E accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Egress Packets (CombinedServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • Egress Packets Forwarded (LONG, epf)
<p>Object: Combined Service Ingress Packets (CombinedServiceIngressPackets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • Ingress Packets Offered (LONG, ipo) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 866 7210 SAS-E accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): UplinkPort Net Ingress Accounting Stats (Object name: equipment. UplinkPortNetIngressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): UplinkPort Net Ingress Accounting Stats (Object name: equipment. UplinkPortNetIngressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)

Table 866 7210 SAS-E accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 866 7210 SAS-E accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

54 7210 SAS-K accounting statistics counters

54.1 Statistics

54.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 867 7210 SAS-K accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet) Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 867 7210 SAS-K accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

55 7210 SAS-M accounting statistics counters

55.1 Statistics

55.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 868 7210 SAS-M accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Octet (accessEgressOctet) Supported policy: Access Egress Octets</p>	
<p>Object: Access Egress Octets (AccessEgressOctets)</p> <p>Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Combined Port Access Egress (combinedAccessEgress) Supported policies:</p> <ul style="list-style-type: none"> • Combined Access Egress Octets • Combined Access Egress Packets 	
<p>Object: Combined Access Egress Octets (CombinedAccessEgressOctets) Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)
<p>Object: Combined Access Egress Packets (CombinedAccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Interface Ingress Octet (netInIngressOctet)</p> <p>Supported policy: Network Interface Ingress Octets</p>	

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Interface Ingress Octets (NetworkInterfaceIngressOctets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • outProfileOctetsForwarded (LONG, oof)
<p>Policy: Network Interface Ingress Packet (netInIngressPkt)</p> <p>Supported policy: Network Interface Ingress Packets</p>	
<p>Object: Network Interface Ingress Packets (NetworkInterfaceIngressPackets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet) Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 868 7210 SAS-M accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

56 7210 SAS-Mxp accounting statistics counters

56.1 Statistics

56.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 869 7210 SAS-Mxp accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Octet (accessEgressOctet) Supported policy: Access Egress Octets</p>	
<p>Object: Access Egress Octets (AccessEgressOctets)</p> <p>Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Combined Port Access Egress (combinedAccessEgress) Supported policies:</p> <ul style="list-style-type: none"> • Combined Access Egress Octets • Combined Access Egress Packets 	
<p>Object: Combined Access Egress Octets (CombinedAccessEgressOctets) Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)
<p>Object: Combined Access Egress Packets (CombinedAccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Interface Ingress Octet (netInIngressOctet)</p> <p>Supported policy: Network Interface Ingress Octets</p>	

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Interface Ingress Octets (NetworkInterfaceIngressOctets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • outProfileOctetsForwarded (LONG, oof)
<p>Policy: Network Interface Ingress Packet (netInIngressPkt)</p> <p>Supported policy: Network Interface Ingress Packets</p>	
<p>Object: Network Interface Ingress Packets (NetworkInterfaceIngressPackets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt)</p> <p>Supported policy: Service Egress Packets</p>	

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 869 7210 SAS-Mxp accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

57 7210 SAS-R accounting statistics counters

57.1 Statistics

57.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 870 7210 SAS-R accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Octet (accessEgressOctet) Supported policy: Access Egress Octets</p>	
<p>Object: Access Egress Octets (AccessEgressOctets)</p> <p>Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Combined Port Access Egress (combinedAccessEgress) Supported policies:</p> <ul style="list-style-type: none"> • Combined Access Egress Octets • Combined Access Egress Packets 	
<p>Object: Combined Access Egress Octets (CombinedAccessEgressOctets) Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)
<p>Object: Combined Access Egress Packets (CombinedAccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Interface Ingress Octet (netInIngressOctet)</p> <p>Supported policy: Network Interface Ingress Octets</p>	

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Interface Ingress Octets (NetworkInterfaceIngressOctets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • outProfileOctetsForwarded (LONG, oof)
<p>Policy: Network Interface Ingress Packet (netInIngressPkt)</p> <p>Supported policy: Network Interface Ingress Packets</p>	
<p>Object: Network Interface Ingress Packets (NetworkInterfaceIngressPackets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic. Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet) Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats) Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 870 7210 SAS-R accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

58 7210 SAS-T accounting statistics counters

58.1 Statistics

58.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 871 7210 SAS-T accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Octet (accessEgressOctet) Supported policy: Access Egress Octets</p>	
<p>Object: Access Egress Octets (AccessEgressOctets)</p> <p>Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Port Access Egress Packet (accessEgressPkt) Supported policy: Access Egress Packets</p>	
<p>Object: Access Egress Packets (AccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Combined Port Access Egress (combinedAccessEgress) Supported policies:</p> <ul style="list-style-type: none"> • Combined Access Egress Octets • Combined Access Egress Packets 	
<p>Object: Combined Access Egress Octets (CombinedAccessEgressOctets) Description: Accounting statistics octet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of)
<p>Object: Combined Access Egress Packets (CombinedAccessEgressPackets) Description: Accounting statistics packet usage data for the physical queues being used for the ports to forward the access egress traffic. Related performance stat (real-time plotting only): Port Access Egress Queue Accounting Stats (Object name: equipment.PortAccessEgressQueueStats) Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Interface Ingress Octet (netInIngressOctet)</p> <p>Supported policy: Network Interface Ingress Octets</p>	

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Interface Ingress Octets (NetworkInterfaceIngressOctets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • outProfileOctetsForwarded (LONG, oof)
<p>Policy: Network Interface Ingress Packet (netInIngressPkt)</p> <p>Supported policy: Network Interface Ingress Packets</p>	
<p>Object: Network Interface Ingress Packets (NetworkInterfaceIngressPackets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt)</p> <p>Supported policy: Service Egress Packets</p>	

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt) Supported policy: Service Ingress Packets</p>	

Table 871 7210 SAS-T accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

59 7210 SAS-X accounting statistics counters

59.1 Statistics

59.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 872 7210 SAS-X accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Service Egress Octets • Service Egress Packets • Service Ingress Octets • Service Ingress Packets 	
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Interface Ingress Octet (netInflIngressOctet)</p> <p>Supported policy: Network Interface Ingress Octets</p>	
<p>Object: Network Interface Ingress Octets (NetworkInterfaceIngressOctets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • outProfileOctetsForwarded (LONG, oof)
<p>Policy: Network Interface Ingress Packet (netInflIngressPkt)</p> <p>Supported policy: Network Interface Ingress Packets</p>	

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Interface Ingress Packets (NetworkInterfaceIngressPackets)</p> <p>Description: Accounting statistics for the physical meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: rtr.NetworkInterface</p>	<ul style="list-style-type: none"> • In Profile Packets Forwarded (LONG, ipf) • outProfilePacketsForwarded (LONG, opf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 872 7210 SAS-X accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svcIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

60 7450 ESS accounting statistics counters

60.1 Statistics

60.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names



Note: The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 873 7450 ESS accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Admit Deny (aaAdmitDeny) Supported policy: AA Admit Deny Stats	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Admit Deny Stats (AAAdmitDenyStats)</p> <p>Description: Application Assurance Admit Deny statistics for GTP, SCTP and Session Filters, and Policer within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Session Filter Stats (Object name: aapolicy.BsxSessionFilterStats) • AA GTP Filter Stats (Object name: aapolicy.BsxGtpFltrStats) • AA SCTP Filter Stats (Object name: aapolicy.BsxSctpFltrStats) • AA SCTP Filter Stats (Object name: aapolicy.BsxSctpFltrStats) • AA GTP Stats (Object name: aapolicy.BsxGtpStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition • aapolicy.GtpFilter • aapolicy.SctpFilter • aapolicy.AASessionFilter • aapolicy.AAPolicer • aapolicy.AaTcpValidation 	<ul style="list-style-type: none"> • adStatType (aapolicy.AAAdmitDenyStat-Type, -) • Application Name (STRING, name) • dataName (STRING, -) • groupId (INT, -) • messageId (LONG, -) • netToSubChunksAdmit (LONG, -) • netToSubFlowsAdmit (LONG, -) • netToSubFlowsDeny (LONG, -) • netToSubPktsAdmit (LONG, -) • netToSubPktsDeny (LONG, -) • netToSubSesAdmit (LONG, -) • partId (INT, -) • payloadProtocolId (LONG, -) • subToNetChunksAdmit (LONG, -) • subToNetFlowsAdmit (LONG, -) • subToNetFlowsDeny (LONG, -) • subToNetPktsAdmit (LONG, -) • subToNetPktsDeny (LONG, -) • subToNetSesAdmit (LONG, -) • type (STRING, -)
<p>Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats) Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication) Supported policy: AA App Stats</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Partition (aaPartition) Supported policy: AA Traffic Accounting Stats</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Traffic Accounting Stats (AATrafficAccStats)</p> <p>Description: Application Assurance traffic statistics for IP Protocol and IP Family within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Traffic Stats (Object name: aapolicy.BsxTrafStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 	<ul style="list-style-type: none"> • groupId (INT, -) • ipFamily (STRING, -) • ipProtocol (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • notTethered (LONG, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • tethered (LONG, -) • tetherType (BOOL, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance)</p> <p>Supported policy: Application Assurance Performance Statistics</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaisdTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrdCtThruOcts (LONG, -) • ovrdCtThruPkts (LONG, -) • ovrdCtThruRsdCt (LONG, -) • ovrdCtThruRsdTm (LONG, -) • ovrdCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Network Ingress Egress (completeNetIngrEgr) Supported policies:</p> <ul style="list-style-type: none"> • Complete Network Egress Packet Octets • Complete Network Ingress Packet Octets 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Network Egress Packet Octets (CompleteNetworkEgressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for Egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Object: Complete Network Ingress Packet Octets (CompleteNetworkIngressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMQA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQoSHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, oop) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets) Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs. Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub) Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats) Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition. Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProflnstngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 873 7450 ESS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

61 7705 SAR accounting statistics counters

61.1 Statistics

61.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names



Note: The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 874 7705 SAR accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: Service Egress Octet (svcEgressOctet) Supported policy: Service Egress Octets	

Table 874 7705 SAR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 874 7705 SAR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

62 7705 SAR-H accounting statistics counters

62.1 Statistics

62.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 875 7705 SAR-H accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: Service Egress Octet (svcEgressOctet)	
Supported policy: Service Egress Octets	

Table 875 7705 SAR-H accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 875 7705 SAR-H accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

63 7710 SR accounting statistics counters

63.1 Statistics

63.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names



Note: The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 876 7710 SR accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress	
Object: Combined LDP LSP Egress (CombinedLdpLspEgress) Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats) Monitored class: ldp.AccountingFecPrefix	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp 	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress)</p> <p>Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress)</p> <p>Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats)</p> <p>Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment. PortEgrQoSQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment. PortIngrQoSQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service).</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet)</p> <p>Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQoSPlyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Network Ingress Egress (completeNetIngrEgr)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Network Egress Packet Octets • Complete Network Ingress Packet Octets 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Network Egress Packet Octets (CompleteNetworkEgressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for Egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Object: Complete Network Ingress Packet Octets (CompleteNetworkIngressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdplnEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdplngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub)</p> <p>Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQoSHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, oop) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMQA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic. Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Network Ingress Packet (netIngressPkt) Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic. Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets) Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 876 7710 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

64 7750 MG accounting statistics counters

64.1 Statistics

64.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 877 7750 MG accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Admit Deny (aaAdmitDeny)	
Supported policy: AA Admit Deny Stats	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Admit Deny Stats (AAAdmitDenyStats)</p> <p>Description: Application Assurance Admit Deny statistics for GTP, SCTP and Session Filters, and Policer within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Session Filter Stats (Object name: aapolicy.BsxSessionFilterStats) • AA GTP Filter Stats (Object name: aapolicy.BsxGtpFltrStats) • AA SCTP Filter Stats (Object name: aapolicy.BsxSctpFltrStats) • AA SCTP Filter Stats (Object name: aapolicy.BsxSctpFltrStats) • AA GTP Stats (Object name: aapolicy.BsxGtpStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition • aapolicy.GtpFilter • aapolicy.SctpFilter • aapolicy.AASessionFilter • aapolicy.AAPolicer • aapolicy.AaTcpValidation 	<ul style="list-style-type: none"> • adStatType (aapolicy.AAAdmitDenyStat-Type, -) • Application Name (STRING, name) • dataName (STRING, -) • groupId (INT, -) • messageId (LONG, -) • netToSubChunksAdmit (LONG, -) • netToSubFlowsAdmit (LONG, -) • netToSubFlowsDeny (LONG, -) • netToSubPktsAdmit (LONG, -) • netToSubPktsDeny (LONG, -) • netToSubSesAdmit (LONG, -) • partId (INT, -) • payloadProtocolId (LONG, -) • subToNetChunksAdmit (LONG, -) • subToNetFlowsAdmit (LONG, -) • subToNetFlowsDeny (LONG, -) • subToNetPktsAdmit (LONG, -) • subToNetPktsDeny (LONG, -) • subToNetSesAdmit (LONG, -) • type (STRING, -)
<p>Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats) Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication) Supported policy: AA App Stats</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Partition (aaPartition) Supported policy: AA Traffic Accounting Stats</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Traffic Accounting Stats (AATrafficAccStats)</p> <p>Description: Application Assurance traffic statistics for IP Protocol and IP Family within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Traffic Stats (Object name: aapolicy.BsxTrafStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 	<ul style="list-style-type: none"> • groupId (INT, -) • ipFamily (STRING, -) • ipProtocol (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • notTethered (LONG, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • tethered (LONG, -) • tetherType (BOOL, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance)</p> <p>Supported policy: Application Assurance Performance Statistics</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaidTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrdCtThruOcts (LONG, -) • ovrdCtThruPkts (LONG, -) • ovrdCtThruRsdCt (LONG, -) • ovrdCtThruRsdTm (LONG, -) • ovrdCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPorBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPorBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Network Ingress Egress (completeNetIngrEgr) Supported policies:</p> <ul style="list-style-type: none"> • Complete Network Egress Packet Octets • Complete Network Ingress Packet Octets 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Network Egress Packet Octets (CompleteNetworkEgressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for Egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Object: Complete Network Ingress Packet Octets (CompleteNetworkIngressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, oop) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> All Octets Dropped (LONG, aod) All Octets Forwarded (LONG, aof) All Octets Offered (LONG, aoo) All Packets Dropped (LONG, apd) All Packets Forwarded (LONG, apf) All Packets Offered (LONG, apo) In Profile Octets Dropped (LONG, iod) In Profile Octets Forwarded (LONG, iof) In Profile Octets Offered (LONG, ioo) In Profile Packets Dropped (LONG, ipd) In Profile Packets Forwarded (LONG, ipf) In Profile Packets Offered (LONG, ipo) Out Of Profile Octets Dropped (LONG, ood) Out Of Profile Octets Forwarded (LONG, oof) Out Of Profile Octets Offered (LONG, ood) Out Of Profile Packets Offered (LONG, opd) Out Of Profile Packets Offered (LONG, opf) Out Of Profile Packets Offered (LONG, oop) Uncoloured Octets Offered (LONG, uco) Uncoloured Packets Offered (LONG, upo)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets) Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs. Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub) Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats) Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition. Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, ope) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 877 7750 MG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

65 7750 SR accounting statistics counters

65.1 Statistics

65.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names



Note: The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 878 7750 SR accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Admit Deny (aaAdmitDeny) Supported policy: AA Admit Deny Stats	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Admit Deny Stats (AAAdmitDenyStats)</p> <p>Description: Application Assurance Admit Deny statistics for GTP, SCTP and Session Filters, and Policer within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Session Filter Stats (Object name: aapolicy.BsxSessionFilterStats) • AA GTP Filter Stats (Object name: aapolicy.BsxGtpFltrStats) • AA SCTP Filter Stats (Object name: aapolicy.BsxSctpFltrStats) • AA SCTP Filter Stats (Object name: aapolicy.BsxSctpFltrStats) • AA GTP Stats (Object name: aapolicy.BsxGtpStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition • aapolicy.GtpFilter • aapolicy.SctpFilter • aapolicy.AASessionFilter • aapolicy.AAPolicer • aapolicy.AaTcpValidation 	<ul style="list-style-type: none"> • adStatType (aapolicy.AAAdmitDenyStat-Type, -) • Application Name (STRING, name) • dataName (STRING, -) • groupId (INT, -) • messageId (LONG, -) • netToSubChunksAdmit (LONG, -) • netToSubFlowsAdmit (LONG, -) • netToSubFlowsDeny (LONG, -) • netToSubPktsAdmit (LONG, -) • netToSubPktsDeny (LONG, -) • netToSubSesAdmit (LONG, -) • partId (INT, -) • payloadProtocolId (LONG, -) • subToNetChunksAdmit (LONG, -) • subToNetFlowsAdmit (LONG, -) • subToNetFlowsDeny (LONG, -) • subToNetPktsAdmit (LONG, -) • subToNetPktsDeny (LONG, -) • subToNetSesAdmit (LONG, -) • type (STRING, -)
<p>Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats) Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication) Supported policy: AA App Stats</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Partition (aaPartition) Supported policy: AA Traffic Accounting Stats</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Traffic Accounting Stats (AATrafficAccStats)</p> <p>Description: Application Assurance traffic statistics for IP Protocol and IP Family within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Traffic Stats (Object name: aapolicy.BsxTrafStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • isa.AaPartition 	<ul style="list-style-type: none"> • groupId (INT, -) • ipFamily (STRING, -) • ipProtocol (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • notTethered (LONG, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • tethered (LONG, -) • tetherType (BOOL, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance)</p> <p>Supported policy: Application Assurance Performance Statistics</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaidTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrdCtThruOcts (LONG, -) • ovrdCtThruPkts (LONG, -) • ovrdCtThruRsdCt (LONG, -) • ovrdCtThruRsdTm (LONG, -) • ovrdCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPacclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Network Ingress Egress (completeNetIngrEgr) Supported policies:</p> <ul style="list-style-type: none"> • Complete Network Egress Packet Octets • Complete Network Ingress Packet Octets 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Network Egress Packet Octets (CompleteNetworkEgressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for Egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Object: Complete Network Ingress Packet Octets (CompleteNetworkIngressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvclnEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> All Octets Dropped (LONG, aod) All Octets Forwarded (LONG, aof) All Octets Offered (LONG, aoo) All Packets Dropped (LONG, apd) All Packets Forwarded (LONG, apf) All Packets Offered (LONG, apo) In Profile Octets Dropped (LONG, iod) In Profile Octets Forwarded (LONG, iof) In Profile Octets Offered (LONG, ioo) In Profile Packets Dropped (LONG, ipd) In Profile Packets Forwarded (LONG, ipf) In Profile Packets Offered (LONG, ipo) Out Of Profile Octets Dropped (LONG, ood) Out Of Profile Octets Forwarded (LONG, oof) Out Of Profile Octets Offered (LONG, ood) Out Of Profile Packets Offered (LONG, opd) Out Of Profile Packets Offered (LONG, opf) Out Of Profile Packets Offered (LONG, oop) Uncoloured Octets Offered (LONG, uco) Uncoloured Packets Offered (LONG, upo)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets) Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs. Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub) Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats) Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition. Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DblInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQoSHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 878 7750 SR accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

66 7850 VSA-8 accounting statistics counters

66.1 Statistics

66.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 879 7850 VSA-8 accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats)</p> <p>Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication)</p> <p>Supported policy: AA App Stats</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance) Supported policy: Application Assurance Performance Statistics</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaisdTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrdCtThruOcts (LONG, -) • ovrdCtThruPkts (LONG, -) • ovrdCtThruRsdCt (LONG, -) • ovrdCtThruRsdTm (LONG, -) • ovrdCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPportBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg) Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProflInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdplnEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdplngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub)</p> <p>Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, oop) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMQA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, oof) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPacIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPacIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 879 7850 VSA-8 accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svcIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

67 7850 VSG accounting statistics counters

67.1 Statistics

67.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 880 7850 VSG accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats)</p> <p>Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication)</p> <p>Supported policy: AA App Stats</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance) Supported policy: Application Assurance Performance Statistics</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaidTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrdCtThruOcts (LONG, -) • ovrdCtThruPkts (LONG, -) • ovrdCtThruRsdCt (LONG, -) • ovrdCtThruRsdTm (LONG, -) • ovrdCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg) Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdplnEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdplngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub)</p> <p>Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, oop) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMQA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPacIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPacIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 880 7850 VSG accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svcIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given Qos policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

68 7950 XRS accounting statistics counters

68.1 Statistics

68.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 881 7950 XRS accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats)</p> <p>Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication)</p> <p>Supported policy: AA App Stats</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance) Supported policy: Application Assurance Performance Statistics</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaisdTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrldCtThruOcts (LONG, -) • ovrldCtThruPkts (LONG, -) • ovrldCtThruRsdCt (LONG, -) • ovrldCtThruRsdTm (LONG, -) • ovrldCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvclnEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Network Ingress Egress (completeNetIngrEgr) Supported policies:</p> <ul style="list-style-type: none"> • Complete Network Egress Packet Octets • Complete Network Ingress Packet Octets 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Network Egress Packet Octets (CompleteNetworkEgressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for Egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Object: Complete Network Ingress Packet Octets (CompleteNetworkIngressPacketOctets)</p> <p>Description: Accounting statistics packet/octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Ingress Accounting Stats (Object name: equipment. PortNetIngressStats)</p> <p>Monitored class: ethernetequipment. EthernetPortSpecifics</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • portId (STRING, -)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, oop) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats) Egress QoS HSMDA Counter (Object name: service.SapEgrQoSHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> All Octets Dropped (LONG, aod) All Octets Forwarded (LONG, aof) All Octets Offered (LONG, aoo) All Packets Dropped (LONG, apd) All Packets Forwarded (LONG, apf) All Packets Offered (LONG, apo) In Profile Octets Dropped (LONG, iod) In Profile Octets Forwarded (LONG, iof) In Profile Octets Offered (LONG, ioo) In Profile Packets Dropped (LONG, ipd) In Profile Packets Forwarded (LONG, ipf) In Profile Packets Offered (LONG, ipo) Out Of Profile Octets Dropped (LONG, ood) Out Of Profile Octets Forwarded (LONG, oof) Out Of Profile Octets Offered (LONG, ood) Out Of Profile Packets Offered (LONG, opd) Out Of Profile Packets Offered (LONG, opf) Out Of Profile Packets Offered (LONG, oop) Uncoloured Octets Offered (LONG, uco) Uncoloured Packets Offered (LONG, upo)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets) Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs. Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub) Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats) Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition. Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment. AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment. NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 881 7950 XRS accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svclIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)

69 VSC accounting statistics counters

69.1 Statistics

69.1.1 Statistics

Each NFM-P policy entry in a table contains the following:

- policy name
- supported objects
- description
- related performance statistics
- monitored object class
- NFM-P counter names, types, and equivalent device counter names

i **Note:** The tables list the NFM-P-supported statistics counters for the latest supported release of the device. Counters that are supported for a previous device release, but not for the current release, are not listed

Accounting data collection is controlled through File, Accounting and Log policies:

- LogPolicy: Defines the retention requirements for the statistics.
- LogRecord: Contains common properties for historical log.
- CurrentData (deprecated): CurrentData does not apply to accounting statistics.

Table 882 VSC accounting statistics

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
Policy: AA Application Group (aaAppGroup) Supported policy: AA App Group Stats	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Group Stats (AAAppGrpStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for application groups within a group and partition.</p> <p>Related performance stat (real-time plotting only): AA Application Group Accounting Stats (Object name: aapolicy.BsxAppGrpStats)</p> <p>Monitored class: aapolicy.ApplicationGroup</p>	<ul style="list-style-type: none"> • App Group Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Application (aaApplication)</p> <p>Supported policy: AA App Stats</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA App Stats (AAAppStats) Description: Application Assurance octet, packet, and flow counter usage data for applications within a group and partition. Related performance stat (real-time plotting only): AA Application Accounting Stats (Object name: aapolicy.BsxAppStats) Monitored class: aapolicy.Application</p>	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Performance (aaPerformance) Supported policy: Application Assurance Performance Statistics</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats)</p> <p>Description: Application Assurance performance-oriented status information for a particular group and ISA-AA MDA.</p> <p>Related performance stat (real-time plotting only): ISA-AA MDA Stats (Object name: isa.BsxMdaStats)</p> <p>Monitored classes:</p> <ul style="list-style-type: none"> • isa.AaGroup • cflowd.AAGroupCollector 	<ul style="list-style-type: none"> • Average Active Flows (LONG, aaf) • Average Diverted Subscribers (LONG, ads) • Average Flow Setup Rate (LONG, afr) • Average Packet Rate (LONG, apr) • Average Traffic Rate (LONG, atr) • averageActiveSubscribersWithFlows (LONG, averageActiveSubscribersWithFlows) • bitRateRsdCount (LONG, -) • bitRateRsdTime (LONG, -) • bitRateState (INT, -) • cflowdComprehensivePacketsSent (LONG, -) • cflowdComprehensiveRecordsDropped (LONG, -) • cflowdComprehensiveRecordsReported (LONG, -) • cflowdRecordsSent (LONG, -) • cflowdRtpFlowsNoResourcesAvailable (LONG, -) • cflowdRtpNumberOfSyncSourcesAborted (LONG, -) • cflowdRtpPerformancePacketsSent (LONG, -) • cflowdRtpPerformanceRecordsDropped (LONG, -) • cflowdRtpPerformanceRecordsReported (LONG, -) • cflowdTcpFlowsNoResourcesAvailable (LONG, -) • cflowdTcpPerformancePacketsSent (LONG, -) • cflowdTcpPerformanceRecordsDropped (LONG, -) • cflowdTcpPerformanceRecordsReported (LONG, -) • cflowdVolumePacketsSent (LONG, -) • cflowdVolumeRecordsDropped (LONG, -) • cflowdVolumeRecordsReported (LONG, -) • collType (BOOL, -) • Current Active Flows (LONG, caf) • Current Active Subscribers With Flows (LONG, cas) • Current Diverted Subscribers (LONG, cds) • Current Flow Setup Rate (LONG, cfr)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • Current Packet Rate (LONG, cpr) • Current Traffic Rate (LONG, ctr) • datapathCpuAvg (FLOAT, -) • datapathCpuPeak (FLOAT, -) • datapathCpuRsdCt (LONG, -) • datapathCpuRsdTm (LONG, -) • datapathCpuState (INT, -) • Discarded Due To Congestion in Mda Octets (LONG, dco) • Discarded Due To Congestion in Mda Packets (LONG, dcp) • Discarded Due To Error Octets (LONG, deo) • Discarded Due To Error Packets (LONG, dep) • Discarded Due To Policy In Mda Octets (LONG, dpo) • Discarded Due To Policy in Mda Packets (LONG, dpp) • Flow Resources In Use (LONG, rfi) • flowResAvg (LONG, -) • flowResPeak (LONG, -) • flowResRaidTime (LONG, -) • flowResRsdCount (LONG, -) • flowResState (INT, -) • flowSetupRsdCnt (LONG, -) • flowSetupRsdTime (LONG, -) • flowSetupState (INT, -) • flwResCtThruOcts (LONG, -) • flwResCtThruPkts (LONG, -) • From Mda Octets (LONG, fmo) • From Mda Packets (LONG, fmp) • groupId (INT, -) • httpBlocks (LONG, -) • httpDefaultActions (LONG, -) • httpPermits (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • httpRedirects (LONG, -) • httpRequestErrors (LONG, -) • httpRequestIgnored (LONG, -) • httpRequests (LONG, -) • icapAvgRtt (LONG, -) • icapDrops (LONG, -) • icapLateResponses (LONG, -) • icapPermits (LONG, -) • icapRedirects (LONG, -) • icapRequestErrors (LONG, -) • icapRequests (LONG, -) • icapTcpConnections (LONG, -) • isaCapacityCost (LONG, -) • mdaSlot (STRING, -) • mgmtCpuAvg (FLOAT, -) • mgmtCpuPeak (FLOAT, -) • Number Of Flows Created (LONG, nfi) • octsDiscTcpOpt (LONG, -) • octsGenTcpOpt (LONG, -) • ovrdCtThruOcts (LONG, -) • ovrdCtThruPkts (LONG, -) • ovrdCtThruRsdCt (LONG, -) • ovrdCtThruRsdTm (LONG, -) • ovrdCtThruState (INT, -) • Peak Active Flows (LONG, paf) • Peak Active Subscribers With Flows (LONG, pas) • Peak Diverted Subscribers (LONG, pds) • Peak Flow Setup Rate (LONG, pfr) • Peak Packet Rate (LONG, ppr) • Peak Traffic Rate (LONG, ptr)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Application Assurance Performance Statistics (AAPerfStats continued)</p>	<ul style="list-style-type: none"> • pktRateRaisdTime (LONG, -) • pktRateRsdCount (LONG, -) • pktRateState (INT, -) • pktsDiscTcpOpt (LONG, -) • pktsGenTcpOpt (LONG, -) • Policy Bypass Octets (LONG, pbo) • Policy Bypass Packets (LONG, pbp) • seenIpRequestsDropped (LONG, -) • seenIpRequestsSent (LONG, -) • seenIpSubscribersCreated (LONG, -) • seenIpSubscribersDeleted (LONG, -) • seenIpSubscribersModified (LONG, -) • Subscriber Statistics Count (LONG, rss) • To MDA Octets (LONG, tmo) • To MDA Packets (LONG, tmp) • Transit Ip Address Count (LONG, rti) • transitPrefixIpV4AddressCount (LONG, -) • transitPrefixIpV4RemoteAddressCount (LONG, -) • transitPrefixIpV6AddressCount (LONG, -) • transitPrefixIpV6RemoteAddressCount (LONG, -) • urlFilterSubscribers (LONG, -) • urlListDropped (LONG, -) • urlListPermitted (LONG, -) • urlListRedirected (LONG, -)
<p>Policy: AA Protocol (aaProtocol) Supported policy: AA Protocol Stats</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Protocol Stats (AAProtocolStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for protocols within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Protocol Stats (Object name: aapolicy.BsxProtStats) • AA Custom Protocol Stats (Object name: aapolicy.BsxCustProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • aapolicy.ApplicationAssuranceProtocol • aapolicy.CustomProtocol 	<ul style="list-style-type: none"> • groupId (INT, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Application (aaSubApp)</p> <p>Supported policy: AA Sub App Stats</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub App Stats (AASubAppStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for applications per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Application Stats (Object name: ressubscr. BsxSubStudyAppStats) • AA SAP Special Study Application Stats (Object name: aapolicy. BsxSapStudyAppStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint 	<ul style="list-style-type: none"> • Application Name (STRING, name) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: AA Subscriber Protocol (aaSubProtocol)</p> <p>Supported policy: AA Sub Protocol Stats</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: AA Sub Protocol Stats (AASubProtStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data for ISA-AA protocols per special study subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Special Study Protocol Stats (Object name: ressubscr. BsxSubStudyProtStats) • AA SAP Special Study Protocol Stats (Object name: aapolicy. BsxSapStudyProtStats) • AA Spoke SDP Binding Special Study Application Stats (Object name: svt.BsxSpokeSdpBindingStudyAppStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • netToSubForwardingClass (STRING, -) • partId (INT, -) • protName (STRING, -) • Short Flow Duration (LONG, sdf) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • subToNetForwardingClass (STRING, -) • subType (aapolicy.AASubType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)
<p>Policy: Combined LDP LSP Egress (combinedLdpLspEgress) Supported policy: Combined LDP LSP Egress</p>	
<p>Object: Combined LDP LSP Egress (CombinedLdpLspEgress)</p> <p>Description: Accounting statistics packet and octet usage data for a Labeled Switch Path (LSP) configured for a virtual router in the system.</p> <p>Related performance stat (real-time plotting only): LDP Egress Accounting Stats (Object name: ldp.LdpEgressStats)</p> <p>Monitored class: ldp.AccountingFecPrefix</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Combined MPLS LSP Egress (combinedMplsLspEgress) Supported policy: Combined MPLS LSP Egress</p>	
<p>Object: Combined MPLS LSP Egress (CombinedMplsLspEgress) Description: Accounting statistics packet and octet usage data for egress data path at ingress LER on network interfaces. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Egress Stats (Object name: mpls.MplsLspEgressStats) Monitored classes: <ul style="list-style-type: none"> • mpls.DynamicLsp • mpls.P2MPDynamicLsp </p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined MPLS LSP Ingress (combinedMplsLspIngress) Supported policy: Combined MPLS LSP Ingress</p>	
<p>Object: Combined MPLS LSP Ingress (CombinedMplsLspIngress) Description: Accounting statistics packet and octet usage data for ingress data path at egress LER. Provides statistics for a Labeled Switch Path (LSP) configured for a virtual router in the system. Related performance stat: MPLS LSP Ingress Accounting Stats (Object name: mpls.MplsLspIngressStats) Monitored class: mpls.IngStatsPolicy</p>	<ul style="list-style-type: none"> • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Combined Network Ing Egr Octets (combinedNetInEgOctet) Supported policies: <ul style="list-style-type: none"> • Combined Network Egress Octets • Combined Network Ingress Octets </p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Network Egress Octets (CombinedNetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress and egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Combined Network Ingress Octets (CombinedNetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Combined Queue Group (combinedQueueGroup)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Forwarding Plane Queue Group Network Ingress • Combined Forwarding Plane Queue Group Service Ingress • Combined Queue Group Egress • Combined Queue Group Ingress • Combined Queue Group Network Egress 	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Network Ingress (CombinedForwardingPlaneQueue-GroupNetworkIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets and packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats) Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Forwarding Plane Queue Group Service Ingress (CombinedForwardingPlaneQueue-GroupServiceIngress continued)</p>	<ul style="list-style-type: none"> • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Egress (CombinedQueueGroupEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Combined Queue Group Ingress (CombinedQueueGroupIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets and octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Queue Group Network Egress (CombinedQueueGroupNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets and octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service Ing Egr Octets (combinedSvcInEgOctet)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined Service Egress Octets • Combined Service Ingress Octets 	
<p>Object: Combined Service Egress Octets (CombinedServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined Service Ingress Octets (CombinedServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Combined Service Ingress (combinedSvcIngress)</p> <p>Supported policy: Combined Service Ingress Packet Octets</p>	
<p>Object: Combined Service Ingress Packet Octets (CombinedServiceIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data for ingress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapIngQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Forwarded (LONG, iof) • In Profile Packets Forwarded (LONG, ipf) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Combined Service SDP Ingress Egress (combinedSvcSdpInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Combined SDP Egress Packet Octets • Combined SDP Ingress Packet Octets 	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Combined SDP Egress Packet Octets (CombinedSdpEgressPacketOctets) Description: Accounting statistics packet and octet egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)
<p>Object: Combined SDP Ingress Packet Octets (CombinedSdpIngressPacketOctets) Description: Accounting statistics packet and octet ingress and egress usage data for SDPs (not by service). Monitored classes:</p> <ul style="list-style-type: none"> • svt.SdpBinding • svt.PWPortBinding 	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Compact Service Ingress Octets (compactSvcInOctet) Supported policy: Compact Service Ingress Octets</p>	
<p>Object: Compact Service Ingress Octets (CompactServiceIngressOctets) Description: Accounting statistics octet usage data for ingress queues on service SAPs (no in or out of profile counters). For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided. Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats) Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Offered (LONG, aoo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Subscriber Ingress Egress (completeSubsInEg) Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProflInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • V4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service Ingress Egress (completeSvcInEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQosPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> Egress QoS HSMDA Queue (Object name: service.SapEgrQosHsmdaQueueStats) Egress QoS HSMDA Counter (Object name: service.SapEgrQosHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> All Octets Dropped (LONG, aod) All Octets Forwarded (LONG, aof) All Octets Offered (LONG, aoo) All Packets Dropped (LONG, apd) All Packets Forwarded (LONG, apf) All Packets Offered (LONG, apo) In Profile Octets Dropped (LONG, iod) In Profile Octets Forwarded (LONG, iof) In Profile Octets Offered (LONG, ioo) In Profile Packets Dropped (LONG, ipd) In Profile Packets Forwarded (LONG, ipf) In Profile Packets Offered (LONG, ipo) Out Of Profile Octets Dropped (LONG, ood) Out Of Profile Octets Forwarded (LONG, oof) Out Of Profile Octets Offered (LONG, ood) Out Of Profile Packets Offered (LONG, opd) Out Of Profile Packets Offered (LONG, opf) Out Of Profile Packets Offered (LONG, opo) Uncoloured Octets Offered (LONG, uco) Uncoloured Packets Offered (LONG, upo)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Complete Service SDP Ingress Egress (completeSvcSdplnEg)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete SDP Egress Packet Octets • Complete SDP Ingress Packet Octets 	
<p>Object: Complete SDP Egress Packet Octets (CompleteSdpEgressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the egress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Forwarded (LONG, tof) • Total Packets Forwarded (LONG, tpf)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete SDP Ingress Packet Octets (CompleteSdpIngressPacketOctets)</p> <p>Description: Accounting statistics packet and octet usage data per service on the ingress for SDPs.</p> <p>Monitored class: svt.AbstractTunnel</p>	<ul style="list-style-type: none"> • Total Octets Dropped (LONG, tod) • Total Octets Forwarded (LONG, tof) • Total Packets Dropped (LONG, tpd) • Total Packets Forwarded (LONG, tpf)
<p>Policy: Custom Record AA Subscriber (customRecordAaSub)</p> <p>Supported policy: AA Sub Custom Stats</p>	
<p>Object: AA Sub Custom Stats (AASubCustomStats)</p> <p>Description: Application Assurance octet, packet, and flow counter usage data (custom record based) per AA subscriber (ESM, SAP or SPOKESDP) within a group and partition.</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • AA Subscriber Custom Application Group Stats (Object name: ressubscr. BsxSubCustRecAppGrpStats) • AA Subscriber Custom Application Stats (Object name: ressubscr. BsxSubCustRecAppStats) • AA Subscriber Custom Protocol Stats (Object name: ressubscr.BsxSubCustRecProtStats) <p>Monitored classes:</p> <ul style="list-style-type: none"> • ressubscr.ResidentialSubscriberInstance • vpls.L2AccessInterface • vll.L2AccessInterface • ies.L3AccessInterface • vprn.L3AccessInterface • ies.ServiceAccessPoint • vprn.ServiceAccessPoint • svt.SpokeSdpBinding • aapolicy.DbInfoTransitSubscriber 	<ul style="list-style-type: none"> • aggLvl (STRING, aggLvl) • groupId (INT, -) • identifier (STRING, -) • Long Flow Duration (LONG, ldf) • Medium Flow Duration (LONG, mdf) • Net to Sub Active Flows (LONG, naf) • Net to Sub Admit Flows (LONG, naf) • Net to Sub Admit Octets (LONG, nba) • Net to Sub Admit Pkts (LONG, npa) • Net to Sub Deny Flows (LONG, nfd) • Net to Sub Deny Octets (LONG, nbd) • Net to Sub Deny Packets (LONG, npd) • Net to Sub Max Thru Bytes (LONG, nbm) • Net to Sub Max Thru Pkts (LONG, npm) • Net to Sub Max Thru Time (LONG, nmt) • netToSubForwardingClass (STRING, -) • partId (INT, -) • Short Flow Duration (LONG, sdf) • statsObjName (STRING, -) • Sub to Net Active Flows (LONG, saf) • Sub to Net Admit Flows (LONG, sfa) • Sub to Net Admit Octets (LONG, sba) • Sub to Net Admit Pkts (LONG, spa) • Sub to Net Deny Flows (LONG, sfd) • Sub to Net Deny Octets (LONG, sbd) • Sub to Net Deny Pkts (LONG, spd) • Sub to Net Max Thru Bytes (LONG, sbm) • Sub to Net Max Thru Pkts (LONG, spm) • Sub to Net Max Thru Time (LONG, smt) • subToNetForwardingClass (STRING, -)
<p>Object: AA Sub Custom Stats (AASubCustomStats continued)</p>	<ul style="list-style-type: none"> • subType (aapolicy.AASubsType, -) • Total Flow Duration (LONG, tfd) • Total Term Flows (LONG, tfc)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Custom Record Service (customRecordService)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Service Egress Packet Octets • Complete Service Ingress Packet Octets 	
<p>Object: Complete Service Egress Packet Octets (CompleteServiceEgressPacketOctets)</p> <p>Description:</p> <p>Accounting statistics user-specified usage data (custom record based) for egress queues, HSMDA queues and counters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service.SapEgrQoSPlcyQueueStats)</p> <p>Related performance stats (real-time plotting only):</p> <ul style="list-style-type: none"> • Egress QoS HSMDA Queue (Object name: service.SapEgrQoSHsmdaQueueStats) • Egress QoS HSMDA Counter (Object name: service.SapEgrQoSHsmdaCntrStats) <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Service Ingress Packet Octets (CompleteServiceIngressPacketOctets)</p> <p>Description: Accounting statistics user-specified usage data (custom record based) for ingress queues, HSMDA queues and counters on service SAPs. For regular MDAs, ingress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, ingress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>For 7210s, the CompleteSvcInEg policy generates ServiceEgressPackets, ServiceEgressOctets, ServiceIngressPackets and ServiceIngressOctets, instead of CompleteServiceEgressPacketOctets and CompleteServiceIngressPacketOctets.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service.SapInqQoSPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Custom Record Subscriber (customRecordSubscriber)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Complete Subscriber Egress Packet Octets • Complete Subscriber Egress Packet Octets OC • Complete Subscriber Ingress Packet Octets • Complete Subscriber Ingress Packet Octets OC 	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Egress QoS Queue Stats (Object name: ressubscr.SLAProfInstEgrQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Egress HSMDA Queue Stats (Object name: ressubscr.SubscriberEgrQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -)
<p>Object: Complete Subscriber Egress Packet Octets (CompleteSubscriberEgress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Egress Packet Octets OC (CompleteSubscriberEgressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for egress HSMDA counter subscribers.</p> <p>Related performance stat (real-time plotting only): Subscriber Egress Override HSMDA Counter Stats (Object name: ressubscr. SubscriberEgrOverrideCounterStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress queues per subscriber on SAPs.</p> <p>Related performance stat: SLA Profile Instance Ingress QoS Queue Stats (Object name: ressubscr.SLAProfInstIngQStats)</p> <p>Related performance stat (real-time plotting only): Subscriber Ingress HSMMDA Queue Stats (Object name: ressubscr.SubscriberIngQStats)</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo)
<p>Object: Complete Subscriber Ingress Packet Octets (CompleteSubscriberIngress-PacketOctets continued)</p>	<ul style="list-style-type: none"> • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo) • v4 Octets Dropped (LONG, -) • v4 Octets Forwarded (LONG, -) • v4 Octets Offered (LONG, -) • v4 Pkt sDropped (LONG, -) • v4 Pkts Forwarded (LONG, -) • v4 Pkts Offered (LONG, -) • v6 Octets Dropped (LONG, -) • v6 Octets Forwarded (LONG, -) • v6 Octets Offered (LONG, -) • v6 Pkts Dropped (LONG, -) • v6 Pkts Forwarded (LONG, -) • v6 Pkts Offered (LONG, -)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Complete Subscriber Ingress Packet Octets OC (CompleteSubscriberIngressPacketOctetsOC)</p> <p>Description: Accounting statistics user specified usage data (custom record based) for ingress HSMDA counter subscribers.</p> <p>Monitored class: ressubscr. ResidentialSubscriberInstance</p>	<ul style="list-style-type: none"> • All Octets Offered (LONG, aoo) • All Packets Offered (LONG, apo) • High Octets Dropped (LONG, hod) • High Packets Dropped (LONG, hpd) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Octets Dropped (LONG, lod) • Low Packets Dropped (LONG, lpd) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Uncoloured Octets Offered (LONG, uco) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Network Egress Octet (netEgressOctet)</p> <p>Supported policy: Network Egress Octets</p>	
<p>Object: Network Egress Octets (NetworkEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment. PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Egress Packet (netEgressPkt)</p> <p>Supported policy: Network Egress Packets</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Network Egress Packets (NetworkEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on network ports. Provides traffic statistics for the physical queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Accounting Stats (Object name: equipment.PortNetEgressStats)</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf)
<p>Policy: Network Ingress Octet (netIngressOctet)</p> <p>Supported policy: Network Ingress Octets</p>	
<p>Object: Network Ingress Octets (NetworkIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Policy: Network Ingress Packet (netIngressPkt)</p> <p>Supported policy: Network Ingress Packets</p>	
<p>Object: Network Ingress Packets (NetworkIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues on network ports. Provides traffic statistics for the physical queues or meters being used for the ports to forward the network ingress traffic.</p> <p>Monitored class: equipment.Port</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Policy: Queue Group Octets (queueGroupOctets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Octets Network Ingress • Forwarding Plane Queue Group Octets Service Ingress • Queue Group Octet Egress • Queue Group Octet Ingress • Queue Group Octet Network Egress 	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Forwarding Plane Queue Group Octets Network Ingress (ForwardingPlane-QueueGroupOctetsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Forwarding Plane Queue Group Octets Service Ingress (ForwardingPlane-QueueGroupOctetsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on octets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer. Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPAcclngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPAcclngQGrpEntry</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Forwarding Plane (INT, forwarding-plane) • High Octets Dropped (LONG, hod) • High Octets Forwarded (LONG, hof) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Forwarded (LONG, lof) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Octet Egress (QueueGroupOctetEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof)
<p>Object: Queue Group Octet Ingress (QueueGroupOctetIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress octets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortIngrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Forwarded (LONG, iof) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Out Of Profile Octets Forwarded (LONG, oof) • Uncoloured Octets Offered (LONG, uco)
<p>Object: Queue Group Octet Network Egress (QueueGroupOctetNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress octets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • statMode (STRING, -) • Uncoloured Octets Offered (LONG, uco)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Policy: Queue Group Packets (queueGroupPackets)</p> <p>Supported policies:</p> <ul style="list-style-type: none"> • Forwarding Plane Queue Group Packets Network Ingress • Forwarding Plane Queue Group Packets Service Ingress • Queue Group Packet Egress • Queue Group Packet Ingress • Queue Group Packet Network Egress 	
<p>Object: Forwarding Plane Queue Group Packets Network Ingress (ForwardingPlane-QueueGroupPacketsNetworkIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for network interfaces. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Network Ingress QoS Queue Group Policer Stats (Object name: equipment.FPNwIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPNwIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Forwarding Plane Queue Group Packets Service Ingress (ForwardingPlane-QueueGroupPacketsServiceIngress)</p> <p>Description: Accounting statistics usage data for forwarding plane ingress queue group on packets for SAPs. Provides ingress statistics about a specific Forwarding Plane QoS queue-group policer.</p> <p>Related performance stat (real-time plotting only): Forwarding Plane Access Ingress QoS Queue Group Policer Stats (Object name: equipment.FPacIngQGrpPolicerStats)</p> <p>Monitored class: equipment. FPacIngQGrpEntry</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Forwarding Plane (INT, forwarding-plane) • High Packets Dropped (LONG, hpd) • High Packets Forwarded (LONG, hpf) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Forwarded (LONG, lpf) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Queue Group Packet Egress (QueueGroupPacketEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides egress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortEgrQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessEgrQGroup</p>	<ul style="list-style-type: none"> • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf)
<p>Object: Queue Group Packet Ingress (QueueGroupPacketIngress)</p> <p>Description: Accounting statistics usage data for queue group ingress packets on network interfaces. Provides ingress statistics about a specific port's QoS queue-group queue.</p> <p>Related performance stat (real-time plotting only): Port Ingress Queue Group Accounting Stats (Object name: ethernetequipment.PortInqQosQueueStat)</p> <p>Monitored class: ethernetequipment.AccessIngrQGroup</p>	<ul style="list-style-type: none"> • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Forwarded (LONG, ipf) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opf) • Uncoloured Packets Offered (LONG, upo)
<p>Object: Queue Group Packet Network Egress (QueueGroupPacketNetworkEgress)</p> <p>Description: Accounting statistics usage data for queue group egress packets on network interfaces. Provides traffic statistics for the queue-group queues being used for the ports to forward the network egress traffic.</p> <p>Related performance stat (real-time plotting only): Port Net Egress Queue Group Accounting Stats (Object name: ethernetequipment.PortNetEgrQueueStat)</p> <p>Monitored class: ethernetequipment.NetworkEgrQGroup</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • statMode (STRING, -) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Egress Octet (svcEgressOctet)</p> <p>Supported policy: Service Egress Octets</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Egress Octets (ServiceEgressOctets)</p> <p>Description: Accounting statistics octet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • All Octets Offered (LONG, aoo) • Egress Octets Forwarded (LONG, eof) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ood) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Egress Packet (svcEgressPkt) Supported policy: Service Egress Packets</p>	
<p>Object: Service Egress Packets (ServiceEgressPackets)</p> <p>Description: Accounting statistics packet usage data for egress queues on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Egress QoS Policy Queue (Object name: service. SapEgrQoSPlcyQueueStats)</p> <p>Related performance stat (real-time plotting only): Egress QoS HSMDA Queue (Object name: service. SapEgrQoSHsmdaQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • Egress Packets Forwarded (LONG, epf) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)
<p>Policy: Service Ingress Octet (svclIngressOctet) Supported policy: Service Ingress Octets</p>	

Table 882 VSC accounting statistics (continued)

NFM-P statistics objects	NFM-P counter (type, NE counter equivalent)
<p>Object: Service Ingress Octets (ServiceIngressOctets)</p> <p>Description: Accounting statistics octet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Octets Dropped (LONG, aod) • All Octets Forwarded (LONG, aof) • High Octets Dropped (LONG, hod) • High Octets Offered (LONG, hoo) • In Profile Octets Dropped (LONG, iod) • In Profile Octets Forwarded (LONG, iof) • In Profile Octets Offered (LONG, ioo) • Low Octets Dropped (LONG, lod) • Low Octets Offered (LONG, loo) • Octets Dropped (LONG, od) • Octets Forwarded (LONG, of) • Out Of Profile Octets Dropped (LONG, ood) • Out Of Profile Octets Forwarded (LONG, oof) • Out Of Profile Octets Offered (LONG, ooo) • Uncoloured Octets Offered (LONG, uco)
<p>Policy: Service Ingress Packet (svcIngressPkt)</p> <p>Supported policy: Service Ingress Packets</p>	
<p>Object: Service Ingress Packets (ServiceIngressPackets)</p> <p>Description: Accounting statistics packet usage data for ingress queues or meters on service SAPs. For regular MDAs, egress statistics about a specific SAP's QoS queue for a given QoS policy are provided. For HSMDAs, egress statistics about a specific SAP's QoS HSMDA queue or counter are provided.</p> <p>Related performance stat: Ingress QoS Policy Queue (Object name: service. SapInqQosPlcyQueueStats)</p> <p>Monitored class: service.AccessInterface</p>	<ul style="list-style-type: none"> • All Packets Dropped (LONG, apd) • All Packets Forwarded (LONG, apf) • All Packets Offered (LONG, apo) • High Packets Dropped (LONG, hpd) • High Packets Offered (LONG, hpo) • In Profile Packets Dropped (LONG, ipd) • In Profile Packets Forwarded (LONG, ipf) • In Profile Packets Offered (LONG, ipo) • Low Packets Dropped (LONG, lpd) • Low Packets Offered (LONG, lpo) • Out Of Profile Packets Offered (LONG, opd) • Out Of Profile Packets Offered (LONG, opf) • Out Of Profile Packets Offered (LONG, opo) • Packets Dropped (LONG, pd) • Packets Forwarded (LONG, pf) • Uncoloured Packets Offered (LONG, upo)